

# 2012 Technical Assessment Report for the Miya Property

Omineca Mining District

NTS 093E/11E, 11W  
54 44'45" N  
127 16'2"W

BC Geological Survey  
Assessment Report  
34241

Tenure #: 549203, 690403, 690423, 760002

Event #:

For :

Lowprofile Ventures Ltd.  
Box 249  
Houston, BC  
V0J 1Z0

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March 31, 2012



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# 1 SUMMARY

Exploration work on Miya Claims in 2012 included diamond drilling, trenching with backhoe excavator and prospecting. The principal objective was to increase knowledge of the extent, mineralization style and metal grades of the Miya Vein, in the vicinity of the Miya Trench #1 and #2. A secondary objective was expansion of mineralization beyond the Miya Vein trenching area.

Diamond drilling was the largest activity on Miya in 2012. The drill contractor employed was Titan Drilling of Smithers, BC, who supplied a Longyear Super 38 skid-mounted surface drill rig, complete with mud tank, cuttings collection tank, and rod sloop. Drill movement, drill pad construction, and reclamation were achieved using Titan's Komatsu D85 bulldozer. All drilling was conducted in an area of 300 metres by 100 metres.

The drilling plan was based on recommendations of the April 2012 Summary Report on the Miya Property by Hutter and Ledwon. The recommended plan included 3000 metres of drilling in 52 drillholes, directed northerly or northeasterly to the projected Miya Vein below Trench #1 and #2. Planned section spacing was 15 metres, and vertical spacing was 15 to 20 metres. Drilling performed in 2012 on Miya Vein was on selected sections, resulting in section spacing of 15 or 30 metres, and vertical intercept spacing of 15 to 20 metres.

All core produced was HQ-size (2.5-inch diameter). Thirty holes were drilled, aggregating total of 1574.78 metres. Minimal overburden was encountered in collaring holes. The longest hole was 108.81 metres.

This report relies (and excerpts) heavily on the summary report from April, 2010 for the same property by James M. Hutter, PGeo, and Anastasia Ledwon, PGeo, as some of the work described herein is an extension of the same program.

## 2 INTRODUCTION

### 2.1 TERMS OF REFERENCE

This report was prepared by Anastasia Ledwon, P.Geo, and Rob Boyce, P.Geo, on behalf of Lowprofile Ventures Ltd., a private resource company based in Houston, B.C. Lowprofile Ventures has several properties in the Houston area. The report discusses the 2012 drilling and trenching program on the Miya property, located near the Huckleberry Mine to the south of Houston.

This report relies on reports done by others in previous programs, and on information gathered from government publications. All references used are listed in the References section of this report.

Anastasia Ledwon made two site visits to the Miya property in 2012: September 25<sup>th</sup> and October 1<sup>st</sup>. Quality control was reviewed on site with Rob Boyce, logging geologist, and several hole and trench locations were validated.

## 2.2 DISCLAIMER

This report is based in part on various government publications and on other available reports. It is believed the information contained in these reports is accurate and reliable, but there are possibilities for error or difference of opinion. Sources have been referenced where data by others have been used, but the accuracy of the source data cannot be guaranteed.

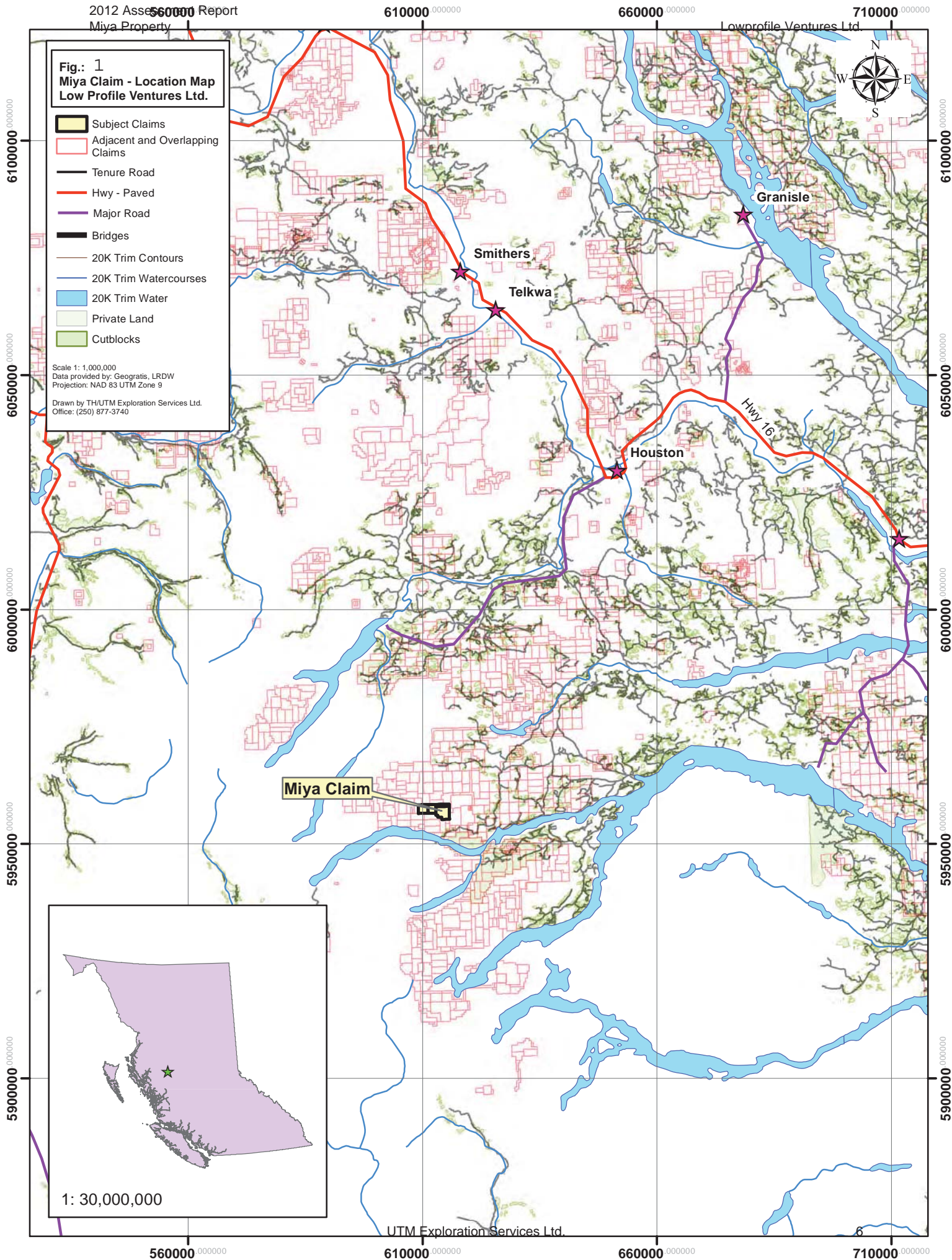
# 3 PROPERTY DESCRIPTION

## 3.1 LOCATION AND ACCESS

The Miya property is located in the Omineca Mining Division, 120 kilometres south of Houston, in west-central British Columbia (Figure 1). The property is accessible via road or by helicopter and requires 4-wheel drive to ascend the old Emerald Glacier mine access road to the centre of the property.

To access the property by road, travel west of Houston on Highway 16 for approximately 4.5 km and turn left onto the Morice River Forest Service Road (FSR). Travel on the Morice River FSR for 56.5 km. Turn right on the Morice Owen FSR, at 56.5 km, and travel to 113 km marker. Turn right onto the old Alcan access road to the 13 km marker. At 13 km, turn right onto the old Emerald Glacier Mine access road and travel approximately 8 km, climbing above the tree line to the centre of the property. The active Huckleberry open pit copper-molybdenum mine is located 3 km further along the Morice Owen FSR.

Helicopter access is available via numerous charter companies based in Houston or Smithers, BC.





### 3.2 CLIMATE AND PHYSIOGRAPHY

The Miya property lies within the Nechako Plateau physiographic region of central British Columbia (Holland, 1976). The property is located in the Sibola Range and is centred immediately southeast of Mt. Sweeney.

The local terrain is characterized by rugged peaks, steep U-shaped valleys and alpine plateaus. Elevations range from 1588 m asl in the southern part of the property to 2158 m at the centre / northwest portions of the property. The most notable topographic feature on the property area is the Emerald Glacier ice field at approximately 2040 m. Ice and snow fields remain year-round at higher elevations and in numerous canyons and depressions, and serve as headwaters for a local small lake and a few streams.

The area is composed primarily of alpine meadows, barren rock, lichen, moss and sub-alpine to alpine plant communities. Natural bedrock exposures are typically found on the peaks and side slopes of the higher topographical features with talus fields covering the lower portions of the slope.

Surface exploration is generally restricted to the summer months, mid-July to mid-September, after which snow squalls, white-outs and wind storms may occur. The climate is typical of the Northern Interior of British Columbia. Summer temperatures average a daytime high in the 20°C range with occasional temperatures reaching the low 30°C range. October through April sees average sub-zero temperatures with extreme lows reaching -30°C from November through March. Annual precipitation, including winter snowfall, averages 50 cm.

### 3.3 INFRASTRUCTURE

Smithers and Houston are each situated along Highway 16 and can provide most services and supplies required for field work. The Morice and Morice-Owen FSRs are maintained and accessible year-round.

There is a 128 kva power line running to Huckleberry Mine, just a few kilometres from Miya.

### 3.4 CLAIMS

The Miya property is comprised of mineral tenures 549203, 690403, 690423, 760002 (Figures 2 and 3). The property covers 1548.7481 hectares of land within NTS map sheets 93E/11E and 11W. The centre of the mineral tenure is approximately 53°45' N and 127°18'4" W. All properties are 100%-owned by Lowprofile Ventures Limited and have an anniversary date of December 30, 2013 (Table 1).

**Table 1. Mineral Tenure Details.**

Tenure Number	Claim Name	Owner	Tenure Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
549203	MIYA 1	216293 (100%)	Mineral	093E	2007/jan/12	2013/dec/30	GOOD	726.649
690403	MIYA 2	216293 (100%)	Mineral	093E	2009/dec/28	2013/dec/30	GOOD	305.9046
690423	MIYA 3	216293 (100%)	Mineral	093E	2009/dec/28	2013/dec/30	GOOD	133.814
760002	MIYA 4	216293 (100%)	Mineral	093E	2010/apr/28	2013/dec/30	GOOD	382.3805
Total Area								1548.7481



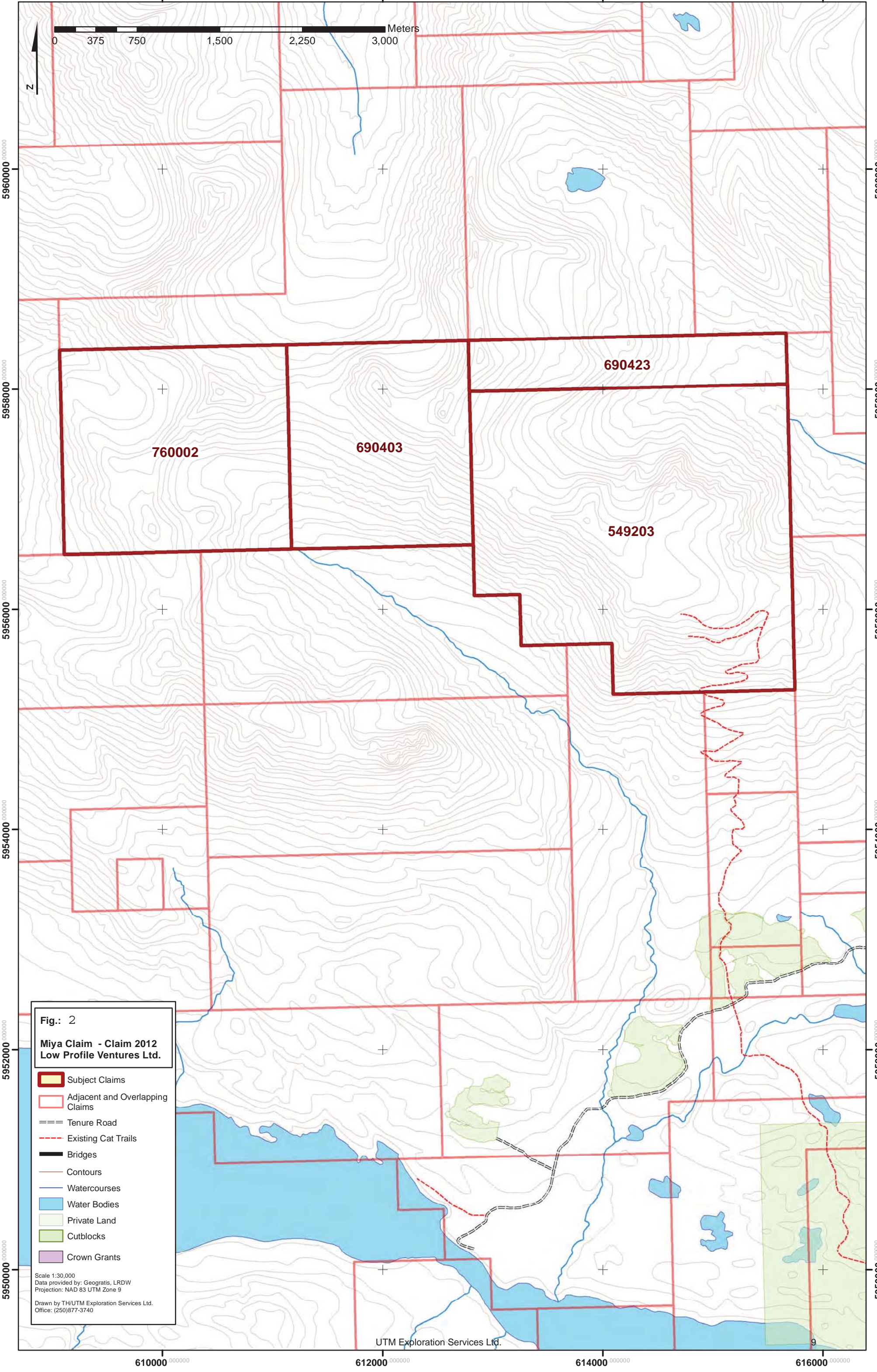




Figure 3. Google Maps View of Miya Claims.



Image © 2012 TerraMetrics  
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Image © 2012 Province of British Columbia

Google earth



## 4 HISTORY

The area covered by the Miya property, which includes the historic Emerald Glacier mine, has been the subject of exploration and small scale development since it was initially staked in 1915 by W.J. Sweeney, D.J. Bensen and F. Madigan.

Underground development took place on four levels (6400, 6275, 6000 and 5400 levels) and the mine operated intermittently from 1951 to 1968, producing 83,493 ounces of silver, 49 ounces of gold, 1,966,396 pounds of zinc, 1,689,449 pounds of lead, 19,872 pounds of copper and 3,713 pounds of cadmium from the milling of 8293 tonnes of ore (MINFILE).

Only modest surface exploration has taken place since the last underground work was completed in 1971. Property-scale bedrock mapping of part of the Miya property took place in 2008. A summary of previous work on the property is listed below.

### **Exploration Activities (Hutter, 2010)**

#### **1915**

- Property staked by W.J. Sweeney, D.J. Benson and F. Madigan. Main vein exposed.

#### **1917**

- James Cronin leased the property; the Main vein is traced for 450 m with silver and lead values.

#### **1919**

- 6400 level adit collared and underground advanced 37 metres. No significant Ag and Cu values were encountered and the property option was dropped.

#### **1927**

- Consolidated Mining and Smelting Co. Ltd. optioned the property.

#### **1928-1931**

- Consolidated Mining and Smelting advanced the 6400 adit and collared the 6000 and 5400 adits. Lower level crosscuts were also added at this time. The option was dropped in 1931 and the property lay dormant until 1951.

#### **1951**

- Emerald Glacier Mines Ltd. re-opened the 6400 level adit and completed 120 m of drifting and crosscutting, 45 m of raising and 330 m of diamond drilling. A total of 1542 tonnes of ore were mined, trucked 160 km to Burns Lake, and transported to Nelson, BC for processing.

#### **1952**

- Emerald Glacier Mines produced 2640 tonnes of ore, completed 90 m of drifting and 14 m of crosscutting on the 6400 level, and completed 198 m of drifting, 140 m of crosscutting and 985 m of diamond drilling on the 6000 level.

#### **1953**

- Eleven tonnes of zinc-rich ore were shipped before mine closed due to ownership difficulties. The ore averaged 2.7 g/t Au, 510 g/t Ag, 55% Zn and 12% Pb.

**1966**

- M. Robertson acquired the property, expanded the boundary and installed a 68 tonne/day mill and new camp. Approximately 360 t of ore were mined from the backs of the Main vein on the 6400 level and milled, producing 120 t of concentrate. This concentrate was shipped to Trail and gave a net smelter return of \$9,097.

**1967-1968**

- A total of 3778 t of ore was mined and milled; operations ceased following the 1968 seasonal shut-down.

**1970-1971**

- The 6275 level was advanced and a limited amount of stoping was completed. A raise was driven from the back of the 6275 level to intersect the adit drift on the 6400 level.

**1981**

- Ryan Exploration Company Ltd staked the Crag claim to encompass the reverted crown grants of the inactive Emerald Glacier mine. Geological mapping suggested that the property covers a favourable environment for the formation of “Kuroko-type” VMS mineralization.

**2003**

- G. Thompson (Lowprofile Ventures Ltd) acquired the property and conducted 1.5 line-km of VLF-EM geophysical survey. Prospecting and reconnaissance outcrop sampling by Thompson and Ogryzlo re-located the Roymac, Rhine View, Glacier Bluff and Grandview zones. Sampling of these zones and of surface showings at the Emerald Glacier mine workings returned anomalous gold grades of up to 9.66 g/t Au in grab samples.

**2008**

- Small property-scale bedrock mapping and sampling program conducted for Lowprofile Ventures Ltd. by All North Consultants Ltd. to determine areas for follow-up exploration.

## 5 GEOLOGICAL SETTING

### 5.1 REGIONAL GEOLOGY (Hutter, 2010)

The Miya property is located north of Tahtsa Reach in the Whitesail map area (NTS 093E), within the Stikine Terrane of the Intermontane tectonic belt (Figure 4). The area north of Tahtsa Reach is underlain primarily by subaerial to submarine calcalkaline island-arc volcanic and related sedimentary rocks of the Lower to Middle Jurassic Hazleton Group, fossiliferous siliciclastic basinal sedimentary rocks of the Middle Jurassic Bowser Lake Group, and volcanic and clastic marine strata of the Lower Cretaceous Skeena Group (MacIntyre et al, 1994).

Plutonic rocks in the area consist of variably sized stocks ascribed to the Bulkley Plutonic Suite and Kasalka Plutonic suite, both of Late Cretaceous age.

The Hazleton Group is further divided into the Telkwa, Nilkitwa and Smithers formations. The most extensive and oldest formation, the Telkwa, is comprised of green and maroon, submarine and subaerial pyroclastic and lava flow volcanic rocks which are andesitic to rhyolitic in composition. The Telkwa formation is Sinemurian to Pleinsbachian in age and is separated into four mapable units within the Babine and Telkwa ranges (MacIntyre and Tercier, 1989), consisting of:

- 1) an upper siliceous pyroclastic facies,
- 2) a basalt flow and red tuff facies,
- 3) an andesite pyroclastic facies, and
- 4) a basal conglomerate. Marine sedimentary and submarine volcanics of Pleinsbachian to Lower Toarcian Nilkitwa Formation overlie the Telkwa Formation.

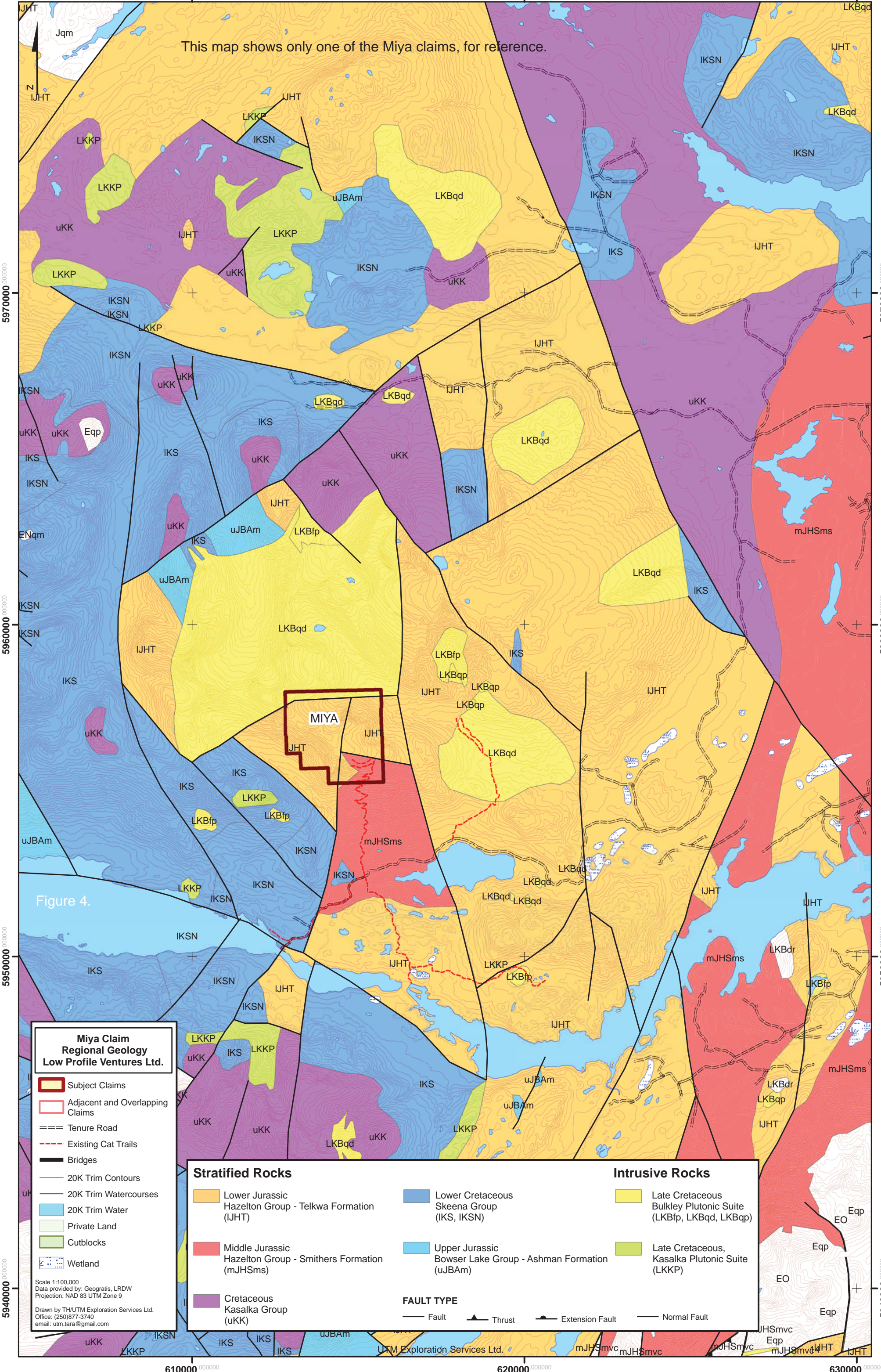
The Nilkitwa Formation is also separated into 4 mapable units:

- 1) thin bedded argillite, chert and limestone;
- 2) tuffaceous conglomerate, cherty tuff and siltstone;
- 3) rhyolitic volcanic rocks, and;
- 4) amygdaloidal andesite or basalt flows interbedded with red epiclastics.

The overall regional geology, surrounding the Miya property, reflects a series of island-arc marine sedimentary and submarine volcanics, covered by submarine and subaerial pyroclastics and lava flows (intermediate in composition) and all overlain by marine sediments and submarine volcanics or sub-aerial tuff and amygdaloidal basalt, that spans from 228.0 to 65.5 Ma.



This map shows only one of the Miya claims, for reference.





## 5.2 PROPERTY GEOLOGY (Hutter, 2010)

The Miya property is underlain predominantly by intermediate to acidic volcanics and volcaniclastics along with shales and sandstones of the Lower Jurassic Hazleton Group (Devlin, 1982). See Figure 5. The volcanic strata consist primarily of pale green to maroon andesite lava, andesitic lapilli tuff and dacitic tuff. The sedimentary strata are subordinate and are comprised of tan to grey shale and pale grey to pale brown sandstone. Later mapping by Ogryzlo (2004) suggested that the sedimentary rocks that host the Emerald Glacier vein system are predominantly part of the Bajocian Ashman Formation of the Middle Jurassic Bowser Lake Group. These rocks occupy a down-dropped block or graben that extends from Troitsa Lake to the Sibola Range.

Rocks of the Ashman Formation are in fault contact to the east, west and north with older fragmental rocks of the Telkwa Formation. North of the Emerald Glacier mine workings, granodiorite of the Late Cretaceous Sibola stock, which underlies most of Mt. Sweeney, is in contact with the stratified rocks (Ogryzlo, 2004).

This map shows only one of the Miya claims, for reference.

Figure 5.

**Miya Claim  
Local Geology  
Low Profile Ventures Ltd.**

- Subject Claims
- Adjacent and Overlapping Claims
- Tenure Road
- Existing Cat Trails
- Bridges
- 20K Trim Contours
- 20K Trim Watercourses
- 20K Trim Water
- Private Land
- Cutblocks
- Wetland

Scale 1:30,000  
Data provided by: Geogatis, LRDW  
Projection: NAD 83 UTM Zone 9  
Drawn by TH/UTM Exploration Services Ltd.  
Office: (250)877-3740  
email: utm.tara@gmail.com

**Stratified Rocks**

- Lower Jurassic  
Hazelton Group - Telkwa Formation  
(IJHT)
- Middle Jurassic  
Hazelton Group - Smithers Formation  
(mJHSms)
- Cretaceous  
Kasalka Group  
(uKK)

- Lower Cretaceous  
Skeena Group  
(IKS, IKSN)
- Upper Jurassic  
Bowser Lake Group - Ashman Formation  
(uJBAm)

**FAULT TYPE**

- Fault
- Thrust
- Extension Fault
- Normal Fault

**Intrusive Rocks**

- Late Cretaceous  
Bulkley Plutonic Suite  
(LKBfp, LKBqd, LKBqp)
- Late Cretaceous,  
Kasalka Plutonic Suite  
(LKKP)

## 6 DEPOSIT TYPES AND MINERALIZATION (Hutter, 2010)

The region, or Tahtsa district (Seraphim and Holister, 1976), is very well mineralized and is host to a producing mine (Huckleberry copper-molybdenum mine), past producing mines (such as Emerald Glacier) and advanced porphyry copper-molybdenum prospects that have been the target of extensive exploration programs (such as Berg, Whiting Creek, Seel and Ox Lake).

Porphyry systems in the Tahtsa district are post-accretionary deposits that formed between 83 Ma (Huckleberry) and 49 Ma (Berg). The porphyry deposits are hosted by a range of rock types, but typically display peripheral propylitic alteration (including carbonate, chlorite and pyrite), and locally extensive biotite hornfelsing, that enclose core zones of silicic, potassic, sericitic and/or argillic alteration.

Mineralization on the Miya property consists primarily of a discrete quartz-sulphide vein system that occupies north-trending, steeply east-dipping structures and a steeply dipping west-to west-northwest-trending structure. The vein system is intermittently exposed in several zones over a total strike length of approximately 850 m (McRae and Robertson, 1966; Davidson, 1987).

The known zones are named for the former crown-granted claims on which they were discovered and are: Emerald Glacier, Roymac, Rhine View, Glacier Bluff and Grandview (Ogryzlo, 2004).

The veins can be quartz-dominated or be comprised of semi-massive to massive sulphide minerals that display crudely banded textures. Sulphide minerals consist primarily of sphalerite, galena and chalcopyrite with lesser pyrite. Locally, quartz-sulphide stockwork zones cut the main vein systems.

Pyritic alteration zones surrounding the Emerald Glacier mine were located by Devlin (1982). In addition to pyrite, the zones carry traces of azurite and malachite and occur along the contacts between the intermediate to felsic volcanoclastic and pelitic unit. Devlin (1982) also located massive barite and quartz vein float in the northeast corner of the property and suggested that the polymetallic mineralization might have been remobilized from a volcanogenic massive sulphide system at depth.

Hydrothermal alteration, characterized by disseminated sulphides, was found at the contact between the Jurassic stratified rocks and the Sibola stock, south of Whiting Creek (Ogryzlo, 2004). North of Whiting Creek, the Whiting Creek porphyry system has been intermittently explored and contains a historical unclassified resource of 123.4 million tonnes grading 0.062% Cu and 0.023% Mo (MINFILE).

## 7 ADJACENT PROPERTIES (Hutter, 2010)

The area surrounding the Miya claim has been heavily staked, with work being done off and on over the past century on several of the claims. Major discoveries include the copper and molybdenum of Whiting Creek to the west, Huckleberry Mine (currently active) to the south, the WIN properties also to the west, and Terrane Metals' working to the east. Notably, most of the claims have been in the hands of the same owners for years, with cash-in-lieu being paid on those without current work projects.

Huckleberry Mines owns the Whiting Creek claims. A strong gossan presence has encouraged work on this property for almost a century. In 1995, pre-NI43-101 regulations, a stated resource of 31.6 million tonnes (0.06% Cu and 0.067% Mo) was reported. Various projects revolving around geochemical, geophysical, and diamond drilling programs have occurred with more work planned for the future. It has been suggested that the Miya is likely related to Whiting as "veins peripheral to a porphyry deposit" (Hutter, pers. comm., 2010).

Huckleberry Mine itself is located to the south west of the Miya claims and is an active copper-molybdenum open pit mine.

The WIN properties to the west of the Miya, located within the Whiting Creek claims, had some work done through the 1980s and a bulk sample taken in 1992 but has been sitting idle since then, held by a single owner since 1985. High gold values in grab samples, notable silver, zinc, copper, and lead numbers, as well as exposed massive sulphide veins on the property make this an attractive prospect.

Terrane Metals has been actively exploring its properties to the west and south of the Miya claim, through 2009, with more work planned for the future. Thus far, no assessment reports have been released publicly.



## 8 EXPLORATION

### 8.1 DIAMOND DRILLING

Layout of drillhole collars was done with a handheld GPS instrument, and checked with a survey tape, relative to the Miya Trench, which was used for reference.

Downhole survey within drillholes was performed by Titan Drilling personnel, with a Reflex Easy-Shot single-shot instrument. One survey reading was taken near end of hole. In holes longer than 70 metres, an additional reading was taken mid-depth. No survey was taken in M12-10, as it was abandoned at a short depth. No survey was received from M12-30. Survey from M12-15 produced a dip that was considered to be in error, at 6 degrees flatter than planned and collared. All other holes were very close to design dip. Most holes were very close to design azimuth. Exceptions were M12-13, M12-22, M12-23 and M12-29, which were up to 12.8 degrees clockwise from design. M12-19 was 5.9 degrees counterclockwise from design. One survey on M12-05 was considered unreliable due to total magnetic field out of range. However the other survey at the end of the hole had very similar azimuth and dip (Table 2).

Collars of completed holes were surveyed by employees of Tyhee Forestry Consultants, using a differential GPS system (Figure 6, overlaying the map of the trenches). Drillhole M12-30 had not been drilled at time of survey; however it was drilled from the same collar as M12-10, so the same location was assumed. Accuracy of survey was expected to be 0.2meters horizontal and 0.5m vertical. Results were returned From Tyhee in spreadsheet format (Table 3).

Table 2. Downhole Survey Data.

DDH	Pad	E	N	Elev	Planned		Downhole Survey		Length	Start	Finish	Comment
					Az	Dip	Az	Dip				
M12-01	U	614671.3	5955967.7	1911.8	19	-45	16.0	-45.6	26.21	2-Sep	2-Sep	small veins in target area
M12-02	U	614671.3	5955966.6	1911.1	19	-63	18.8	-64.8	41.76	3-Sep	3-Sep	small veins and breccia, before target
M12-03	A	614529.2	5956001.4	1934.2	360	-45	1.1	-46.0	26.21	4-Sep	4-Sep	vein/breccia in target, crossing and subparallel core
M12-04	A	614529.2	5956000.5	1934.7	360	-63	357.3	-63.7	41.76	4-Sep	4-Sep	3 strong veins spanning 7m
M12-05	B	614531.6	5955975.0	1928.7	360	-45	0.4	-44.5	87.17	5-Sep	11-Sep	extended; minor veins at main and second targets
M12-06	B	614531.6	5955974.4	1928.8	360	-53	1.1	-52.8	108.81	6-Sep	7-Sep	2.5m low-sulphide vein beyond target depth
M12-07	E	614558.4	5956005.3	1935.3	360	-45	2.9	-45.9	66.14	11-Sep	13-Sep	minor veins and low-sulphide vein at target depth
M12-08	E	614558.4	5956004.9	1935.6	360	-54	1.3	-54.4	41.76	13-Sep	13-Sep	1m hi-sulphide vein at target
M12-09	E	614558.3	5956004.7	1935.8	360	-64	0.4	-64.0	41.76	13-Sep	14-Sep	small hi-sulphide veins over 8m
M12-10	G	614560.6	5955974.3	1926.9	360	-45	---	---	10.97	15-Sep	15-Sep	abandoned for new plan, small vein at 9m
M12-11	BB	614560.6	5956042.8	1943.1	180	-47	177.9	-47.5	50.60	15-Sep	16-Sep	small vein + gouge at target, did not find flat structure
M12-12	BB	614560.5	5956041.8	1942.2	180	-64	179.2	-64.5	75.29	17-Sep	18-Sep	2 breccia/veins over 2.5m
M12-13	--	614548.9	5956044.5	1943.2	215	-58	221.6	-58.2	75.29	18-Sep	19-Sep	1/2m hi-sulphide vein
M12-14	F	614568.7	5955998.4	1932.9	25	-45	26.9	-44.9	23.16	19-Sep	19-Sep	small hi-sulphide veins over 4m
M12-15	F	614568.9	5955998.6	1932.9	25	-63	26.7	-56.0	44.81	20-Sep	20-Sep	small veins + 1m massive sulphide at target depth
M12-16	I	614581.3	5955989.8	1932.7	25	-45	21.1	-45.6	62.79	21-Sep	22-Sep	2 small hi-sulphide veins before target, no second vein found
M12-17	I	614581.1	5955989.4	1932.5	25	-63	17.2	-64.3	47.85	22-Sep	22-Sep	lo-moderate sulphide stockwork/vein on target
M12-18	M	614612.6	5955982.8	1925.8	13	-45	9.7	-44.5	26.21	23-Sep	23-Sep	35cm semi-massive vein + 5m lo-sulphide stringers
M12-19	M	614612.4	5955982.3	1926.1	13	-63	7.1	-63.2	44.81	23-Sep	24-Sep	8m drilling down strong vein and gouge
M12-20	Q	614639.9	5955971.2	1914.7	19	-45	15.3	-44.6	63.09	24-Sep	25-Sep	weak alteration, result in narrow, hi-sulphide veins
M12-21	Q	614639.8	5955970.4	1914.8	19	-63	14.9	-63.2	41.76	25-Sep	26-Sep	weak alteration, result in narrow, hi-sulphide veins
M12-22	AW	614502.5	5955997.4	1930.8	360	-45	9.0	-44.9	38.40	26-Sep	27-Sep	1.1m vein + 0.9m stringers on target
M12-23	AW	614502.5	5955996.3	1931.2	360	-62	12.8	-61.8	53.95	27-Sep	28-Sep	few stringers in sheared rock, past target (drilling down fault?)
M12-24	MM	614629.5	5956032.9	1938.2	193	-61	193.4	-62.8	67.67	28-Sep	29-Sep	small altered sections with narrow veins low angle to core
M12-25	--	614765.3	5955957.1	1903.4	19	-45	17.1	-45.1	62.48	29-Sep	30-Sep	small weak veins within 1m section, weak alteration
M12-26	--	614819.5	5955960.8	1904.8	230	-45	227.4	-44.8	26.21	1-Oct	1-Oct	35cm lo-sulphide vein
M12-27	--	614819.8	5955961.3	1904.3	230	-60	227.3	-57.8	38.40	1-Oct	1-Oct	42cm + 11cm hi-sulphide veins + small stringers
M12-28	--	614778.4	5955991.4	1910.9	205	-70	208.9	-69.4	63.09	3-Oct	4-Oct	stockwork and small stringers
M12-29	AN	614502.7	5956051.5	1953.5	180	-70	188.8	-69.7	105.46	4-Oct	7-Oct	7m section alteration with 2 small veins & many small stringers
M12-30	G	614560.6	5955974.3	1941.0	360	-45	---	---	70.71	7-Oct	8-Oct	stringers 8-18m & stockwork/breccia/fault 59-64m
Project complete									1574.58			

**Table 3. Surveyed Drill Collar Locations.**

Hole_ID	Easting	Northing	Elevation
m12-01	614671.3	5955968	1911.8
m12-02	614671.3	5955967	1911.1
m12-03	614529.2	5956001	1934.2
m12-04	614529.2	5956001	1934.7
m12-05	614531.6	5955975	1928.7
m12-06	614531.6	5955974	1928.8
m12-07	614558.4	5956005	1935.3
m12-08	614558.4	5956005	1935.6
m12-09	614558.3	5956005	1935.8
m12-10	614560.6	5955974	1926.9
m12-11	614560.6	5956043	1943.1
m12-12	614560.5	5956042	1942.2
m12-13	614548.9	5956045	1943.2
m12-14	614568.7	5955998	1932.9
m12-15	614568.9	5955999	1932.9
m12-16	614581.3	5955990	1932.7
m12-17	614581.1	5955989	1932.5
m12-18	614612.6	5955983	1925.8
m12-19	614612.4	5955982	1926.1
m12-20	614639.9	5955971	1914.7
m12-21	614639.8	5955970	1914.8
m12-22	614502.5	5955997	1930.8
m12-23	614502.5	5955996	1931.2
m12-24	614629.5	5956033	1938.2
m12-25	614765.3	5955957	1903.4
m12-26	614819.5	5955961	1904.8
m12-27	614819.8	5955961	1904.3
m12-28	614778.4	5955991	1910.9
m12-29	614502.7	5956052	1953.5

## 8.2 TRENCHING

Trenching was undertaken using a John Deere 590D Excavator operated part-time during the period 29 September to 8 October 2013. The “Marmot Zone” was exposed by digging where drusy quartz veining with pyrolusite coating had previously been observed in the debris pile deposited outside a marmot burrow. Overburden at this point was slightly more than a metre deep. Sheared, broken, limonitized quartz veining was exposed, striking 125° azimuth, surrounded by strongly altered wallrock. About 8 metres of vein length was exposed. The trench was extended 30 metres at 045° azimuth, perpendicular to the veining, to evaluate extent of alteration and search for parallel veins. Depth of overburden was 0.5 to 1.5 metres. The whole floor of trench showed strongly altered, limonitized rock, but significant veining was not observed. The trench was filled and reclaimed within the week.

Four sequential chip samples 2m long were taken from the vein area and wallrock northeast up the trench extension. A fifth grab sample was taken in strongly altered rock at the northeast end of the trench extension. Sample results and descriptions are in Table 4.

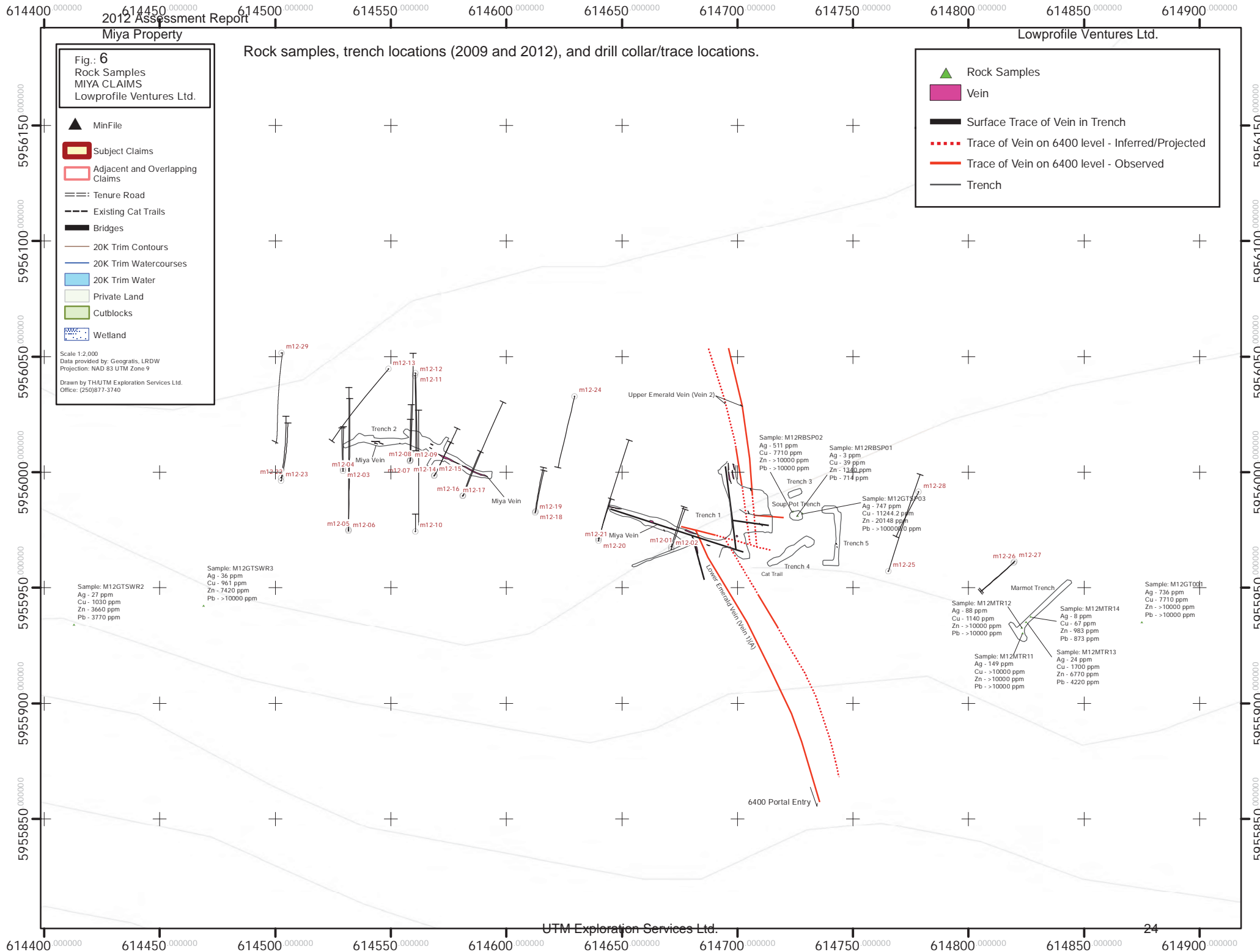
**Table 4. Selected Assays Results for Trench Samples.**

					Au FAA31 3	Ba ICM90A	Cu ICM90A	Cu ICP90Q	Mn ICM90A	Zn ICM90A	Zn ICP90Q	Ag ICM90A	Pb ICM90A	Pb ICP90 Q
METHOD					5	0.5	5	0.01	10	5	0.01	1	5	0.01
DETECTION					5	0.5	5	0.01	10	5	0.01	1	5	0.01
UNITS	East	North	Location	L a b	ppb	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
M12GTSWR2	61441 3	5955934	Southwest Ridge	S G S	46	446	1030	N.A.	13900	3660	N.A.	27	3770	N.A.
M12GTSWR3	61446 9	5955942	Southwest Ridge	S G S	372	7930	961	N.A.	10300	7420	N.A.	36	>10000	1.07
M12-MTR1-1	61482 4	5955930	Marmot Trench	S G S	124	135	>10000	1.05	5660	>10000	4.13	149	>10000	1.36
M12-MTR1-2	61482 4	5955930	Marmot Trench	S G S	52	239	1140	N.A.	13800	>10000	2.79	88	>10000	2.08
M12-MTR1-3	61482 4	5955930	Marmot Trench	S G S	19	366	1700	N.A.	7020	6770	N.A.	24	4220	N.A.
M12-MTR1-4	61482 4	5955930	Marmot Trench	S G S	<5	543	67	N.A.	1200	983	N.A.	8	873	N.A.
M12GT-001	61487 5	5955935	Midway SP & DDH25	S G S	68	34.6	7710	N.A.	340	>10000	4.01	736	>10000	32.9
M12RB-SP-01	61472 6	5955981	Soup Pot Trench	S G S	5	911	39	N.A.	20900	1340	N.A.	3	714	N.A.
M12RB-SP-02	61472 4	5955983	Soup Pot Trench	S G S	236	89.4	7710	N.A.	270	>10000	2.06	511	>10000	23.2
M12GT-SP-03	61472 8	5955982	Big Grin Boulder	A c m e	276	120	11244.2	1.12	860	20148	2.01	747	>100000. 0	31.91

A second trenching area was immediately east of the north-trending trench on the surface exposure of the Emerald Glacier Vein, and east-trending vein previously interpreted as offset of Miya Vein. This was between Trenches #1, 4 and 5 in an area known as the "Soup Pot Zone". Depth to bedrock was less than a metre. Approximately 5m by 6m area was exposed. Bedrock surface was very uneven and limonitized, making recognition of veins difficult. No attempt was made to map the exposure. A pod of massive galena, with streaks of chalcopyrite and minor vuggy quartz was exposed. Nearby was vuggy semi-massive galena-pyrite, with minor chalcopyrite and quartz-carbonate veining. Trend was 345° azimuth. A nearby drusy quartz vein trended 320° azimuth. The trench was filled and reclaimed within the week.

Two grab samples were taken 2.5m apart, for analysis. Additionally a 50kg block "Big Grin Boulder" containing massive galena was taken from the trench. It was later sawn and a sample sent for analysis. See Table 4.

All sample sites and trench locations may be seen in Figure 6.



### 8.3 PROSPECTING

LowProfile President Gary Thompson undertook a prospecting traverse on 8 October, in a basin 0.5km southwest of and below the drilling area. Two silicified areas with quartz veining were discovered, and a chip sample taken at each site. See Table 4 and Figure 6.

### 8.4 HISTORIC RECLAMATION AT THE UNDERGROUND PORTAL SITES

As per the previous programs, the company spent several person-days doing reclamation and cleanup work around the property.

All drill cuttings were moved into the old trenches and then the trenches from both 2009 and 2012 were reclaimed with backfill, using a backhoe. As well, the drill pads were recontoured. As there is very little, if any, vegetation present at these elevations, no organic mats were removed or replaced.

The derelict camp was recycled after being severely damaged by an avalanche during the previous winter.

The 5400 portal was the only portal secured with a wire mesh gate this year. It is expected that the remaining gates will be secured in 2013.

These safety and environmental issues were also recommended by the company's legal advice to prevent liability concerns as well as to show any general public visiting this historic site that the company is concerned and will take responsibility for the activities, historical or not.

## 9 SAMPLING

### 9.1 SAMPLING METHOD AND APPROACH

All core-handling procedures followed the same routine, supervised by Boyce. Geological core logging was done by Boyce, into a project-specific spreadsheet log form. Geotechnical logging and core photography was performed by Boyce, or by a drillcore technician. Intervals for sampling were marked out by Boyce during logging.

All core logs may be found in Appendix IV.

Geotechnical work included conversion of footage blocks to metric, re-marking of blocks and boxes, measurement and calculation of Recovery and RQD, and noting fractures per run.

All core was photographed on logging benches, three boxes at a time, after metric conversion and before sampling. A whiteboard visible in each image showed project, hole number, box numbers and core interval. Forced flash was used to normalize lighting. Colour correction of electronic photo files was required where daylight through the blue roof tarp distorted colour.

A selection of photos is available in Appendix V.

## 9.2 SAMPLE PREPARATION, ANALYSES AND SECURITY

Samples were split from core by drillcore technicians using a gas-powered circular saw with 14" diamond blade. The procedure was to saw lengthwise chosen core sections, and place the left-hand split into a marked sample bag, along with a sample tag, and immediately sealed with a zip-tie. The right-hand split was returned to the core box for storage, with a matching sample tag stapled into the box. Approximately 13% of the length of core was sampled. A total of 391 samples from the drilling program were submitted for analysis.

Samples remained in Boyce's custody and were hand-delivered by him to the SGS preparation lab in Telkwa, BC, with the exception of one shipment delivered by Ledwon.

Lab methodologies may be found in Appendix II.

## 9.3 DATA VERIFICATION

Blanks, standards and duplicates were inserted into the sample sequence, comprising 5.2%, 5.0% and 3.8% of core samples respectively. Blanks material was white dolomite decorative stone purchased from a garden supply store. It was stored in the core shack in a bucket with tight-fitting lid to minimize contamination. Standards were purchased as individually sealed 50-gram pulps from CDN Labs, a custom supplier of reference materials. The multi-element standard chosen was CDN-FCM-6, the most suitable for the project's range of analytical values. Duplicate samples were taken as sawn quarter-core, over the same sample length as the half-core sample previous in sample number sequence.

Due to the large number of the high grade analyses reported from the 2012 drill program, Lowprofile Ventures initiated a re-analysis or check of a select group of samples: 27 in total. These check samples were accordingly submitted to ACME Labs' prep lab in Smithers, BC and then analyzed at ACME's main lab in Vancouver, BC. On December 28 2012, the Company received the 2012 Miya check sample results from ACME labs, confirming the base and precious metals values, particularly the gold.

Of the twenty-seven re-run check samples, fifteen of these ranged between >1g/t to as high as 7.112 g/t (just under ¼ oz/ton) gold. These are comparable to the Miya vein surface sample results in 2009, and also allow the values of the first phase of 2012 analysis to be accepted as correct. The silver results again hit over-limit levels in both types of analysis from SGS Lab (Fire Assay for Gold and multi-element Sodium Peroxide Fusion ICP-AES) & ACME Lab (4-Acid Digestion Multi-Element ICP-ES and ICP-MS/Lead Collection Fire Assay), resulting in further analysis by fire assay on all samples for the total values of silver.

The following table illustrates the variations for gold, silver, copper, lead, and zinc between labs, with initial SGS-run samples noted in red and duplicate Acme-run samples in black. Blanks and standards have been removed.



Table 5. Check-Sample Assay Results from SGS and ACME Labs.

Sample #	Cu PPM	Cu PPM	Zn PPM	Zn PPM	Ag PPM	Ag PPM	Au PPB	Au PPM	Pb PPM	Pb PPM	Pb %
1 68320	2240	2426.9	>10000	54708	64	74	55	0.052	>10000	10938.9	1.03
1 68329	1130	1125.5	5930	6197	34	37.6	1390	1.489	2110	2070.1	N.A.
1 68344	654	741.9	6140	6990	31	31.9	231	0.256	4780	4932.3	N.A.
1 68350	>10000	24841.3	>10000	153300	717	>300.0	4490	4.747	>10000	62400.8	5.76
1 68354	>10000	12785	2410	2816	297	>300.0	176	0.147	9220	9640.1	N.A.
1 68425	4850	5331.5	>10000	65635	776	>300.0	5030	6.193	>10000	68046	6.29
1 68426	6830	6272	3400	3488	194	285.4	3340	2.978	>10000	58057.3	6.95
1 68437	5540	5548	>10000	137020	123	142.1	133	0.126	4070	4600.9	N.A.
1 68451	>10000	14590.7	>10000	137243	222	>300.0	7030	7.112	>10000	49573.7	4.3
1 68454	4700	4833.8	>10000	70235	244	>300.0	2460	2.278	>10000	58096.3	4.81
1 68471	8540	8558.3	>10000	82612	286	>300.0	1680	1.592	>10000	43984	4.01
1 68472	>10000	13265.8	>10000	114885	775	>300.0	3930	3.827	>10000	>100000.0	10.3
1 68484	>10000	13003.1	>10000	45882	172	274.7	2120	3.057	>10000	17417.4	1.47
1 68485	9430	9614.7	>10000	117243	>1000	>300.0	5140	5.254	>10000	64784.2	6.34
1 68488	8360	8384.4	>10000	182150	153	185.4	42	0.059	4820	5432.2	N.A.
1 68494	>10000	12780.7	>10000	105535	310	>300.0	1500	1.788	>10000	82229.3	7
1 68499	>10000	16282.7	>10000	299944	337	>300.0	1830	1.942	>10000	73619.5	6.38
1 68613		1886.8		103818		19.9		0.077		414.2	
1 68629	288	329.7	4490	4752	35	43	420	0.442	3340	3934.4	N.A.
1 68633	1310	1374.3	>10000	30073	43	53.3	95	0.094	>10000	11258.9	0.98
1 68634	3290	3864	7210	8667	56	68.8	182	0.179	>10000	22263.4	1.94
1 68646	7230	7410.7	>10000	43972	67	90.1	1680	2.067	3070	3806.7	N.A.
1 68647	>10000	16620	>10000	59559	163	205.9	4330	4.384	2680	3200.2	N.A.
1 68720	307	343.5	>10000	17692	35	43.2	84	0.07	>10000	30405.8	2.84
1 68724	71	70.8	392	468	1	2.1	1250	<0.005	257	267.3	N.A.
1 68791		8060.1		22509		108		1.847		6000	

## 9.4 RESULTS

All assay certificates may be found in Appendix I. Geochemical drillhole sections have been compiled in Appendix III. Grab sample geochemical information was included in Figure 6.

### **Core Samples**

Visually mineralized veins commonly returned associated elevated values in gold, silver, copper, lead and zinc. Significant assay results from drillcore are tabulated in Tables 6 and 7. Most drillholes showed significant precious metal values. Gold assays ranged up to 7030 ppb, with 37 results greater than 1000 ppb (1 gm/tonne). Silver ranged to a maximum of 1180 ppb, with 19 results of greater than 200 ppm (200 gm/tonne). Silver highs were commonly but not always correlated with gold.

Table 6. Significant Assay Results (Note: oz/t calculated by dividing g/t by 31.1).

DDH	From (m)	To (m)	Interval length (m)	Au g/t	Ag g/t	Ag oz/t	Cu%	Pb%	Zn%
<b>M12-01</b>	5.22	10.97	<b>5.75</b>	0.01	11.51	0.37	0.07	0.20	1.11
Including	9.55	9.95	0.40	0.04	55.98	1.80	<b>0.47</b>	0.34	<b>3.75</b>
<b>M12-02</b>	11.00	15.90	<b>4.90</b>	0.01	13.06	0.42	0.05	0.30	1.81
Including	14.79	15.31	0.52	0.06	<b>64.07</b>	<b>2.06</b>	0.22	<b>1.03</b>	<b>5.16</b>
<b>M12-03</b>	18.38	18.85	0.47	<b>1.39</b>	33.90	1.09	0.11	0.21	0.59
<b>M12-04</b>	23.80	33.26	<b>9.46</b>	<b>0.82</b>	<b>200.60</b>	<b>6.45</b>	<b>0.71</b>	<b>1.44</b>	<b>5.48</b>
Including	23.80	24.53	0.73	<b>0.62</b>	<b>296.69</b>	<b>9.54</b>	<b>1.05</b>	<b>1.92</b>	<b>13.78</b>
Including	28.62	30.74	<b>2.12</b>	<b>2.14</b>	<b>492.00</b>	<b>15.82</b>	<b>1.71</b>	<b>3.70</b>	<b>14.30</b>
<b>M12-05</b>	65.28	66.03	0.75	0.01	6.84	0.22	0.05	0.10	<b>3.66</b>
<b>M12-06</b>	74.82	77.02	<b>2.20</b>	<b>0.96</b>	17.73	0.57	0.07	0.20	1.77
<b>M12-07</b>	13.38	13.98	0.60	<b>3.03</b>	<b>872.04</b>	<b>28.04</b>	<b>0.71</b>	<b>8.35</b>	<b>3.02</b>
and	20.00	20.24	0.24	0.11	<b>78.99</b>	<b>2.54</b>	0.20	<b>5.71</b>	<b>3.17</b>
<b>M12-08</b>	17.14	18.10	<b>0.96</b>	<b>4.27</b>	<b>515.33</b>	<b>16.57</b>	<b>0.57</b>	<b>6.60</b>	<b>3.43</b>
and	20.63	20.90	0.27	0.22	55.05	1.77	<b>0.36</b>	0.23	<b>4.01</b>
<b>M12-09</b>	23.82	24.07	0.25	0.13	<b>122.85</b>	<b>3.95</b>	<b>0.55</b>	0.41	<b>14.20</b>
and	25.10	25.60	0.50	0.19	19.90	0.64	0.05	0.39	<b>4.98</b>
<b>M12-10</b>	9.36	9.81	0.45	<b>3.03</b>	<b>124.09</b>	<b>3.99</b>	<b>0.46</b>	0.60	<b>2.11</b>
<b>M12-11</b>	38.40	38.62	0.22	0.30	51.94	1.67	0.23	0.85	<b>19.10</b>
<b>M12-12</b>	69.90	72.18	<b>2.28</b>	<b>3.06</b>	<b>157.99</b>	<b>5.08</b>	<b>0.60</b>	<b>3.10</b>	<b>6.63</b>
Including	69.90	70.59	<b>0.69</b>	<b>7.03</b>	<b>222.05</b>	<b>7.14</b>	<b>1.35</b>	<b>4.30</b>	<b>12.70</b>
<b>M12-13</b>	63.98	64.54	0.56	0.02	<b>68.11</b>	<b>2.19</b>	0.15	0.63	<b>14.80</b>
<b>M12-14</b>	16.94	17.27	0.33	0.18	<b>736.14</b>	<b>23.67</b>	<b>1.98</b>	<b>3.42</b>	<b>24.40</b>
and	17.97	21.08	<b>3.11</b>	<b>1.23</b>	<b>253.15</b>	<b>8.14</b>	<b>0.69</b>	<b>3.00</b>	<b>9.14</b>
Including	17.97	19.93	<b>1.96</b>	<b>1.91</b>	<b>343.03</b>	<b>11.03</b>	<b>0.83</b>	<b>4.50</b>	<b>7.66</b>
<b>M12-15</b>	24.44	29.86	<b>5.42</b>	<b>0.83</b>	<b>163.59</b>	<b>5.26</b>	<b>0.40</b>	<b>1.00</b>	<b>5.26</b>
Including	24.44	25.70	<b>1.26</b>	<b>3.44</b>	<b>612.05</b>	<b>19.68</b>	<b>1.13</b>	<b>3.60</b>	<b>7.52</b>
Including	25.15	25.70	<b>0.55</b>	<b>5.14</b>	<b>1180.00</b>	<b>37.94</b>	<b>0.94</b>	<b>6.34</b>	<b>12.40</b>
<b>M12-16</b>	22.06	22.55	<b>0.49</b>	<b>1.50</b>	<b>310.07</b>	<b>9.97</b>	<b>1.30</b>	<b>7.00</b>	<b>10.90</b>
and	24.83	25.18	<b>0.35</b>	<b>1.83</b>	<b>337.12</b>	<b>10.84</b>	<b>1.65</b>	<b>6.38</b>	<b>27.70</b>
and	33.23	33.43	0.20	<b>1.90</b>	18.04	0.58	0.03	0.67	<b>2.15</b>
<b>M12-17</b>	39.50	41.52	<b>2.02</b>	<b>1.16</b>	24.26	0.78	<b>0.25</b>	0.10	0.38
Including	39.50	40.10	<b>0.60</b>	<b>1.70</b>	47.89	1.54	<b>0.56</b>	0.17	0.41
and	43.70	44.28	<b>0.58</b>	<b>0.07</b>	13.06	0.42	0.19	0.02	<b>10.10</b>
<b>M12-18</b>	16.47	16.84	0.37	<b>0.98</b>	<b>93.92</b>	<b>3.02</b>	<b>0.27</b>	<b>1.25</b>	<b>5.08</b>
<b>M12-19</b>	28.17	33.48	<b>5.31</b>	<b>0.51</b>	<b>71.53</b>	<b>2.30</b>	<b>0.28</b>	<b>1.30</b>	<b>4.54</b>
Including	30.39	32.35	<b>1.96</b>	<b>0.79</b>	<b>131.24</b>	<b>4.22</b>	<b>0.49</b>	<b>1.90</b>	<b>10.40</b>

<b>M12-20</b>	20.37	20.74	0.37	0.09	<b>129.07</b>	<b>4.15</b>	<b>0.45</b>	<b>3.10</b>	<b>6.17</b>
and	21.91	22.14	0.23	0.05	<b>398.08</b>	<b>12.80</b>	<b>1.21</b>	<b>3.91</b>	<b>9.69</b>
<b>M12-21</b>	29.00	29.30	0.30	0.08	35.14	1.13	0.03	<b>2.84</b>	1.57
<b>M12-22</b>	20.87	21.87	<b>1.00</b>	<b>3.01</b>	<b>115.07</b>	<b>3.70</b>	<b>1.16</b>	0.30	<b>5.05</b>
<b>M12-23</b>	49.70	50.75	<b>1.05</b>	0.09	42.92	1.38	0.20	0.17	1.10
<b>M12-24</b>	42.55	43.28	0.73	0.06	18.97	0.61	0.16	<b>1.10</b>	1.65
<b>M12-25</b>	36.30	37.12	0.82	0.05	20.53	0.66	0.05	0.70	0.91
<b>M12-26</b>	18.07	18.43	0.36	0.10	<b>78.99</b>	<b>2.54</b>	<b>1.08</b>	0.48	<b>2.85</b>
<b>M12-27</b>	19.70	20.12	0.42	<b>1.95</b>	<b>231.07</b>	<b>7.43</b>	<b>0.96</b>	<b>3.01</b>	<b>11.20</b>
and	20.65	21.03	0.38	0.04	<b>102.94</b>	<b>3.31</b>	<b>0.47</b>	0.95	<b>6.75</b>
<b>M12-28</b>	33.74	34.17	0.43	0.02	22.08	0.71	0.07	0.17	1.71
<b>M12-29</b>	84.63	85.01	0.38	0.33	13.06	0.42	0.05	0.18	0.66
<b>M12-30</b>	16.12	16.62	0.50	<b>1.74</b>	<b>135.91</b>	<b>4.37</b>	0.18	2.97	1.38
and	17.33	18.6	<b>1.27</b>	<b>2.73</b>	<b>468.06</b>	<b>15.05</b>	<b>0.63</b>	<b>3.4</b>	<b>2.11</b>
and	59.65	59.95	0.30	0.49	<b>61.89</b>	1.99	0.17	1.13	<b>6.36</b>
and	60.46	61.39	0.93	0.70	34.83	1.12	0.16	0.20	1.76
and	63.36	64.04	0.68	<b>1.28</b>	<b>87.08</b>	<b>2.80</b>	<b>0.78</b>	0.74	1.88

Base metals values were more widespread, dominated by zinc, which showed 144 values above 0.5%, the highest being 27.7%. Lead assays ranged up to 10.3%, with 65 results above 0.5%. Copper values were less elevated, with a maximum 1.98%, but 53 samples returned values greater than 0.2%. These three base metals were commonly correlated, but relative values varied.

Within Miya Vein, assays for drillcore samples compared to trench channel samples showed general correlation. However it was noted that drilling results showed higher gold/silver ratio and higher zinc/lead ratio relative to trenches.

Bismuth and antimony showed weak association with the ore minerals. Other, weaker or irregular associations observed were arsenic with gold, cadmium with zinc (and lead), and manganese with copper and zinc. Aluminum showed a low-amplitude inverse relationship with ore minerals, and instead associated with bleached wallrock, which feature aluminous minerals.

The best results were returned from holes drilled in the vicinity of Trench #2, which support surface observations and sampling. These comprise Holes M12-04 to M12-17, M12-22 and M12-30. Highest gold value 7030 ppm was in M12-12, and highest silver 1180 ppm in M12-15, both in the central part of Trench #2. The widest intercepts were in hole M12-14: 2.99m (central Trench #1), and M12-04: 2.12m and M12-22: 2.06m (both at west end of Trench #2).

Additional veins were located south of the Miya Vein, most notably in M12-30, where stockwork returned 5.74 g/t Au and 730 g/t Ag over 1.27m. (Table 6). Holes M12-01, M12-02, M12-04, M12-15 and M12-20 also showed additional zinc-mineralized veins to the south. M12-19 contains several veins which are difficult to correlate with the two veins in M12-18 above it, so additional veins in M12-19 may be on the north or south side.

Both holes targeting the Marmot Zone showed anomalous values, with M12-27 returning significant values over 0.42 metres. (Table 6).

**Table 7. Selected Drill Composite Assays.**

Miya Project 2012 Selected Drill Composite Assays									
Zone	Hole No.	From	To	Length	Au	Ag	Cu	Pb	Zn
				m	g/t	g/t	%	%	%
Miya	M12-04	28.62	30.74	1.97	2.69	502	1.74	3.88	14.73
Miya	M12-07	13.38	13.98	0.60	0.30	872	0.71	8.35	3.02
Miya	M12-08	17.14	18.10	0.96	4.27	515	0.57	6.59	3.43
Miya	M12-12	69.90	72.18	2.28	3.06	158	0.60	3.09	6.63
Miya	M12-14	18.83	19.93	1.10	2.66	499	1.09	6.75	8.87
Miya	M12-15	24.44	25.70	1.26	3.44	612	1.13	3.60	7.52
Miya	M12-22	20.87	21.87	1.00	3.01	115	1.16	0.29	5.05
Marmot	M12-27	19.70	20.12	0.42	1.95	231	0.96	3.01	11.20
stringers	M12-30	17.33	18.60	1.27	5.74	730	0.99	5.40	3.35

### **Surface Samples**

Assay results from surface sampling all returned anomalous values. Sample M12GTSWR2 from surface prospecting returned 7930 gm/tonne Au, higher than any value in the drilling, with significant lead. The two samples in the southwest end of Marmot Trench returned strong base metal values, while the sample at the northeast end contained 736 gm/tonne Ag. Two of the samples from the Soup Pot Trench returned >20% Pb, and Ag values of 511 and 747 gm/tonne. (Table 4 and Figure 6).

## 10 INTERPRETATION

### 10.1 CORE SAMPLES

Drillhole sections with geochemical analyses for gold, silver, copper, lead, and zinc may be found in Appendix III.

All drillholes encountered significant veining, mineralization and alteration. Twenty-six holes targeted Miya Vein, two holes targeted the Marmot Zone, and two holes targeted the gap between the two zones. Miya Vein intercepts were interpreted in 19 of 26 holes. Holes M12-10 and M12-24 stopped short of target. Veining in M12-19 and M12-23 near target depth was partly subparallel to core axis, indicating orientation complication. Holes M12-20, 21 and 29 contained diffuse veining, which was difficult to correlate with Miya vein. Some drillholes encountered numerous additional veins, some containing significant mineralization. These additional veins may be parallel or splays to the Miya vein. There is also evidence in core of high-angle crosscutting features, and veins offset by minor shears. Both holes in Marmot zone contained the targeted vein. The two holes drilled in the gap between Miya and Marmot showed only small veins.

Veining texture included banded, massive, brecciated, sheeted, stringers and stockwork, with local ladder-vein texture. Banding and brecciation were often multiphase. Veining commonly occurred in swarms with significant intervening altered wallrock sections. Similarly, fault/shear zones were commonly associated, manifested as clay or gritty gouge, fractured rock and rubble. Gouge occasionally contained vein fragments. Core loss within faulting was seen in most holes, commonly 0.2m core length, with maximum 0.45m.

Maximum vein aggregate widths in Miya vein (not true widths) were 2.99m (M12-14), 2.12m (M12-04), 2.06m (M12-22), 1.66m (M12-17) and 1.26m (M12-15). Aggregate width of stringers in M12-30 was 2.48m (uphole from Miya Vein intercept). Greatest vein width in Marmot zone was 1.03m in M12-27.

Sulphides occurred in veins as bands, aggregates, blebs, margins, cores, fine disseminations (appearing as black quartz) and intergrowths. Some veins occurred as massive sulphides, locally coarse-grained. Sulphides have been seen in breccia as matrix or in fragments. Sulphides species recognized included sphalerite, pyrite, galena and chalcopyrite. Bornite was noted once. Sphalerite was the most abundant sulphides, commonly appearing as dark to medium brown, to honey, but locally as blackish to metallic "blackjack". Common sulphides content of veins was 0.5% to 10%, but more than 50% was observed.

Gangue minerals were dominated by milky to grey quartz, with subordinate carbonate. Carbonate mineral species was only locally demonstrably calcite. Most carbonate was off-white to pink and weakly reactive to acid, tentatively identified as rhodocrosite with ankerite. Locally chalcedony was identified. Albite was tentatively identified in a few locations. Textures included banding, crustiform, and drusy quartz, infilled with fine-grained pinkish carbonate.

Veining sequence observed in core indicated the oldest generation veining was a minor constituent. These veins comprised banded to intergrown quartz-carbonate-hematite, with less common chlorite and pyrite. Jasper was rarely noted. Widths were generally less than 1cm. Narrow or weak wallrock bleaching accompanied these veins; or distal from Miya vein, they occurred in propylitic-altered rock,

The main mineralized vein systems provided the largest volume of veining observed in this drill program. These are the quartz-carbonate-sulphide veins described above.

The latest veining, which may be partly contemporaneous with the main system, contain massive to banded to drusy quartz-carbonate, with minor pyrite or rarely sphalerite, and locally minor chlorite. Widths were commonly less than 2mm, but ranged to 5cm. These veins commonly occur within broad bleached zones, but otherwise, have narrow bleached envelopes.

Bleached envelopes normally accompanied veining. Intensity of veining was crudely coincident with intensity or width of bleaching. However, some mineralized veins occurred with minimal alteration associated.

Significant bleached alteration zones were recorded in all holes. Bleaching pale buff to grey to off-white was the visual manifestation of intense pervasive sericite-clay alteration, with lesser carbonate, cubic pyrite and/or silica. Very locally noted were soft, bright green spots with the appearance of chrome-mica. Pyrolusite and limonite were evident in near-surface altered zones. Bleached rock was commonly medium-soft and fractured, relative to unaltered or weakly altered wallrock. However, some silicified bleached zones ranged to hard and glassy, locally termed porcellanite in M12-08, 09 and 11. Bleaching intensity and continuity varied from pervasive to patchy or mottled. Distal to Miya Vein, bleached rock graded into regional propylitic (chlorite, with minor carbonate, pyrite and epidote) or less-common hematized wallrock, especially to north. Bleaching thicknesses recorded (not true thickness) ranged from 3.2m to 44.46m. Twenty-one of the holes contained 2 to 7 separate bleached zones. Six holes ended in bleached rock: M12-04, M12-10, M12-22, M12-23, M12-26 and M12-30, indicating the limits of hydrothermal system had not been reached at end of hole.

Host rocks observed in core were dominated by fragmental to porphyritic volcanics. Intermediate-composition fragmental rocks were most common, especially at eastern and western ends of the drill program, texture varying from ash to lapilli tuff, uncommonly to tuff-breccia or agglomerate. In a few locations, ash tuff appeared felsic, and observed to be welded texture in three cases. Feldspar-porphyry or feldspar-pyroxene-porphyry was a common texture, especially in central and northern parts of the drilled area. In a few instances porphyritic rocks were identified as dykes, but the majority may be flow rocks. Some porphyritic sections were also brecciated. Tuffaceous sandstone was seen only in M12-27, at the east end, and lowest elevation of drilling.



## 10.2 OVERALL

Mineralization style is interpreted to be low-sulphidation epithermal veining. Vein character, alteration assemblage and fault-association support this view.

Mineralization shows 200 metres extent along Miya vein and is open both to east and west, and downdip. Values are not continuous in grade or metal ratios. Vein widths are not consistent and veins appear to be structurally offset or locally rolling in the vertical component. Veins likely are not discrete but are locally split into two or more sections or splays, with intervening lowgrade wallrock lenses or wedges. As veins follow structure, some cored veins have poor recovery, and sections of vein may be absent due to production of fault gouge. Despite these limitations, the Miya vein zone is cohesive.

An early interpretation suggested offset or flattening northward of the Miya Vein in M12-05, M12-19 and M12-23. This led to the decision to drill southward with holes M12-11 to M12-13, M12-24 and M12-29. Hole M12-10 was abandoned soon after start in order to start south-directed holes. Apparent from the cross-section, M12-24 was drilled too short to reach the Miya Vein. Interpretation of other south-directed holes has not shown additional locations of significant veins nor flattening. The general interpretation is that the Miya Vein is generally planar (with some strike variation) at subvertical dip, similar to the 2009 interpretation.

Some of the cross-sections are drilled only to 30 metres depth. Two of the deeper holes, M12-12 (with the highest gold and among highest silver values) and M12-30, carry good values at depth of 60 to 65m below surface. Holes at similar depths (M12-06, M12-24 and M12-29) display weaker values within the continuous zone. The interpretation has been made that the vein demonstrates continued extent to depth, but contains some low-value sections. Better-grade zones may be constrained into ore “shoots” at some plunge orientation within the plane of the vein, but this potential distribution has not been studied.

Additional mineralized veins may be parallel to Miya Vein or splays from it. There is insufficient information to determine orientation. These veins, as evidenced by M12-19, may be attractive drill targets as well.

The Marmot Zone was recognized in both holes that targeted it; M12-26 and M12-27, with the latter hole showing good values and width, and confirmed the steep dip observed in the Marmot Trench. Holes M21-25 and M12-28 drilled between Miya Vein and Marmot Zone showed values principally in zinc and lead in recognized veining. Both holes contained wide alteration zones, indicating mineralizing potential similar to productive veins. M12-28 could have provided better data on orientation, and a deeper intercept if it had been collared further north.

## 11 CONCLUSIONS

Drilling has shown significant values in the Miya Vein and other veins, over mineable widths. There is good potential to define economic resources, and to extend the trend in two dimensions. Best results for both precious and base metals are in vicinity of Trench #2, but grade is not continuous. M12-12 intercept, with the highest gold value in the program, was one of the deepest in the program, 60 metres from surface, demonstrating depth potential. Similar positive result was seen in M12-30. Hole M12-22, with significant values and width, at the furthest-west drill site, indicates potential for extension to the west. Results of trenching and sparse drilling in Marmot zone area indicate possible extension to the east or southeast. Extension of the offset Emerald Glacier Vein to the north was indicated in 2009 trenching, though that area has seen no work since.

The trend of Miya Vein is generally the same as proposed by Hutter and Ledwon in April 2012 report; trending west-northwest with some variation in azimuth, dipping subvertically, and showing evidence of minor splays. There is evidence of minor offsets and rolls in the vertical component of the veins.

Limiting factors on the economic potential of Miya Vein include pinching and local lowered metal values, as well as small-scale offset and loss to fault gouge. However, the depth potential has not been negated by low values in some holes.

Continued tight-spaced drilling is warranted to clarify plunge or ore-shoot distribution of values in Miya Vein. Step-out drilling is also warranted to determine extensions to the zone in horizontal and vertical dimensions.

Surface exposure and drilling in the "Soup Pot" and "Marmot" zones indicates northwesterly and north-northwesterly orientations. These may be in the same generation and connected with Miya or Emerald Glacier Veins, or may be separate veins. Broad bleached alteration zones indicate potential for other veins. Similar bleached zones, along with geochemical indicators, can serve as larger target areas for future search.

Surface sampling results in prospects southwest of drilling indicate good potential to find new zones with simple exploration methods.

Geochemical results indicate that the ore minerals, plus Bi, Sb, As, Cd, and Mn could be used as pathfinder elements in geochemical search for veins. Early success using manganese, by prospecting for drusy quartz with manganese staining, resulted in discovery of the Miya Vein. Aluminum values could be used to search for large alteration targets; anomalies would be subtle, with sharp lows correlating with mineralized veins.

Previous work has indicated that high-sulphide veins respond well to VLF geophysical survey, and could be effective in localizing drill targets.

## 12 RECOMMENDATIONS

- Drill rest of proposed sections as per Apr 2012 report (Appendix VI)
  - Drill more sections to the west – 3m x 15m step-out
  - Drill E-W holes on Emerald Glacier vein as per Apr 2012 report (Appendix VI)
  - Drill some holes deeper than 60m below trench
- Review bleached zones in existing core for Al at hole-end re-extensions
- Further trenching along known structures is recommended. The Miya Vein should be followed further to the west up to the point where the topography becomes too difficult.
- Expand Soup Pot Trench – systematic sampling
- A preliminary VLF-EM survey should be conducted over known veins in order to verify the response. If this survey gives positive results then a detailed and systematic survey should be conducted over known veins and showings to cover at least the area between the 6400 Portal and the most northerly of the Roymac showings with a suggested line spacing of 25 metres. The survey should be extended beyond this area with a greater line spacing and using infill lines where appropriate.
- A ZTEM survey should be flown over the entire area of the property with a 200m line spacing, for a total of approximately 200 line km. This survey, which is capable of the detection of deeper anomalies up to 1500 metres, would have as its objective the detection of anomalies associated with possible porphyry-type deposits.
- Drill more in Marmot zone after geophysics generates targets
- Routine prospecting and surface samples
- Rehabilitation of all underground levels
- Mapping and sampling underground to generate 3D model and plan underground drill stations

Lowprofile Ventures plans to expand its exploration program on the Miya over the next few years, with an estimated budget of \$1,783,000.00. Priorities are geophysics and approximately 2,000m of drilling over a three-month season. As well, underground rehabilitation and mapping will begin.

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## 14 STATEMENT OF COSTS

A simplified version is available on the following page; a more detailed breakdown is available upon request.

## MIYA 2012 EXPLORATION DRILLING & TRENCHING

Project	Description	Invoice	Program estimated budget
	Camp 24 days x 7 persons average per day @ \$167.00 ( All inclusive -Cook/first-aid,groceries, Level 3 first-aid equipment)		\$60,353.44
	UTM Core Splitting & Field assistance		\$20,647.20
	UTM P. Geo Project Support and report		\$3,584.84
	Geo Rob Boyce Aug 16 - 31 , and of September 1 - 31, Oct 1 to 30. And Report 2013		\$26,859.01
	Les Wilson Camp mananager Includes his onsite pickup, tools etc for project support		\$18,070.92
	LPV Field Assistant, Core splitter, Amanda Clayton		\$7,410.00
	Gilbert & Roger Wilson, Camp carpenter assistants, Camp Upgrades		\$9,126.99
	Gasoline,oils, Small Generator, Vehilces- Gary Thompson's P/U, ETV, Brian Thompson P/U, Gilbert WisonP/U		\$4,746.51
	Diesel Fuel & Oils for Camp Generator and Excavator		\$5,719.93
	Propane for Camp & Core Shack		\$1,096.55
	MBI Drilling Products (Reflex downhole survey tool)= rental+insurance, Sept 1- 30, \$2,557.63 Oct 1-12 \$990.06		\$3,795.26
	Camp & Core Shack Upgrades and development, Other Misc Core and drilling Supplies		\$37,896.83
	Core shack supplies (IRL- bags,tags etc, Alpine Plant world-Blanks,CDN Resource labs-standards, other misc)		
	Core shack construction crew of 3 estimated cost (no invoicing to give accurate costs at this time)		
	Excavator hours pad / road / Trenching - Gary Thompson approximate hours 100 @ \$120.00 Fuel supplied		\$12,000.00
	China Knows Cattle Company, Crane truck hauling prefab core shack, supplies and core to town storage		\$5,562.46
	Camp generator LPV 20 days startup. @ \$50.00		\$1,000.00
	Misc core shack,Camp drinking water, Lunch travel		\$1,282.45
	Geologist Anastasia Ledwon from UTM Exploration services 2 day visits, & Report Writing		\$1,400.00
	Project management Gary Thompson July 1, 2012 to Oct 18, 2012, 3.5 months @ \$5,000.00 p/m		\$17,500.00
	SGS lab		\$6,549.48
	SGS lab		\$12,073.32
	SGS lab		\$4,309.20
	SGS lab		\$56.95
	SGS lab Core Supplies		\$112.00
	Acme Lab Reruns		\$1,838.65
	D&E Vending Ltd. Storage Container Camp		\$3,920.00
	Emberson Plumbing & Heating, Camp Supplies		\$787.68
	Neil Paquette Camp and Core Shack Carpentry work		\$7,127.68
	Swiss Rentals & Alpine Wiring Generator		\$3,527.93
	Northwest Truck rentals- ETV		\$3,441.76
	Tylers Towing - Hauling Supplies		\$1,652.85
	Kal Tire - Tire repairs		\$1,535.66
	Tower Communications Ltd. - Satellite Phone, Internet, Radio Rentals		\$2,709.77
	D&M Industrial Misc supplies and services		\$1,174.31
	Radley Contracting Inc. Snow plowing at Start up		\$3,102.40
	LPV crew WCB, Canada Pension, Canada Revenue, Etc portions		
	Camp Accomadations owned by LPV		
	Titan diamond drilling Taking shares in LPV		\$216,025.96
	BV Home Center, 30 Treated Posts for marking drill holes		
	CO-ED Septic		\$4,334.40
		Total	\$512,332.39

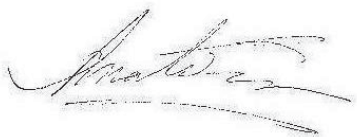
## 15 STATEMENT OF QUALIFICATIONS

I, Anastasia Ledwon, residing in Smithers, British Columbia, do hereby certify that I am currently employed as a consulting geologist by:

UTM Exploration Services Ltd. PO Box 5037 Smithers, British Columbia, Canada V0J 2N0

- I graduated from the University of Victoria in 1997 with a B.Sc (With Honours) (With Distinction) in Earth and Ocean Sciences;
- I am a Professional Geoscientist (P.Ge) registered with the Association of Professional Engineers and Geoscientists of British Columbia, license #33898, and have been a member in good standing since 2009;
- Between 1997 and 2001 I was continuously employed as a geoscientist in research geology and from 2005 until present I have been continuously employed as a geologist in the mineral exploration sector;
- I made two visits to these claims during the 2012 field season to validate drillhole and trench locations and to review quality control.
- As part of UTM Exploration Services Ltd, we hold shares Lowprofiles Ventures for work done on other of the company's projects.

Dated at Telkwa, British Columbia, this 31<sup>st</sup> day of March, 2013.



Anastasia Ledwon, P.Ge. UTM Exploration Services Ltd.



## STATEMENT OF QUALIFICATIONS

I, Robert A. Boyce, P. Geo., am a Professional Geologist with office at 4375 Elm Drive, Smithers, British Columbia V0J 2N0, and do hereby certify that:

1. I have supervised and participated in preparation of this Technical Report on the Miya Property of Lowprofile Ventures Ltd.

2. I am a "Qualified Person" as defined in National Instrument 43-101:Standards of Disclosure for Mineral Projects ("NI 43-101") and my qualifications include the following:

- a). I graduated from University of British Columbia, Vancouver, BC in 1977, with a Bachelor of Science degree in Geological Sciences
- b). I am a Professional Geoscientist (P. Geo.) registered with the Association of Professional Engineers and Geoscientists of British Columbia, member #19407, and have been a member in good standing since 1992.
- c). From 1977 to present I have been continuously and actively engaged as a geologist in mineral exploration, mine development and mine production in Western Canada, principally within the province of British Columbia.

3. I have conducted and supervised exploration work on the Miya property on behalf of Lowprofile Ventures from August 27, 2012 to the present. I am responsible for Sections 8-11 of this Technical Report, and for collaboration with the other author. The observations and opinions expressed are based on my personal examination of the Miya property during 40 days between August 27 to October 11, 2012, and on a review of available maps and reports. I have not had previous involvement with the property.

4. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report, that is not reflected in the Technical Report, which the omission to disclose would make the Technical Report misleading.

5. I am independent of the issuer based on the tests set out in section 1.5 of NI 43-101.

6. I have read and understood NI 43-101 and Form 43-101F1, and the Technical Report has been prepared in compliance with NI 43-101 and Form 43-101F1.

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

Dated at Smithers, B.C., March 31, 2013.

## APPENDIX I: ASSAY CERTIFICATES



## Certificate of Analysis

Work Order: TK120300

To: **Gary Thompson**  
**COD SGS ASSAYERS**  
C/O F406501 SGS ASSAYERS  
8282 SHERBROOKE STREET  
VANCOUVER BC V5X 4R6

Date: Nov 28, 2012

P.O. No. : Lowprofile Ventures  
Project No. : -  
No. Of Samples : 1  
Date Submitted : Oct 22, 2012  
Report Comprises : Pages 1 to 7  
(Inclusive of Cover Sheet)

**Distribution of unused material:**  
Active files - upstairs:

Certified By :

  
Satpaul Gill  
QAQC Chemist

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

Report Footer:

L.N.R. = Listed not received  
n.a. = Not applicable

I.S. = Insufficient Sample  
-- = No result

\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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SGS Canada Inc. 12000 14th Avenue, Suite 100, Vancouver, BC V6P 4G6

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Element	WtKg	Au	Al	Ba	Be	Ca	Cr	Cu	Fe	K
Method	WGH79	FAA313	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.001	5	0.01	0.5	5	0.1	10	5	0.01	0.1
Units	kg	ppb	%	ppm	ppm	%	ppm	ppm	%	%
M12GT-SP03	18.300	251	1.58	249	<5	<0.1	<10	>10000	7.29	0.6

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Order: Lowprofile Ventures

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Element	Li	Mg	Mn	Ni	P	Sc	Sr	Ti	V	Zn
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	10	0.01	10	5	0.01	5	0.1	0.01	5	5
Units	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
M12GT-SP03	20	0.10	910	9	<0.01	<5	18.4	0.04	16	>10000

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Order: Lowprofile Ventures

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Element	Ag	As	Bi	Cd	Ce	Co	Cs	Dy	Er	Eu
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	5	0.1	0.2	0.1	0.5	0.1	0.05	0.05	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
M12GT-SP03	772	164	167	102	8.9	16.4	2.6	1.07	0.70	0.24

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Element	Ga	Gd	Ge	Hf	Ho	In	La	Lu	Mo	Nb
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	0.05	1	1	0.05	0.2	0.1	0.05	2	1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
M12GT-SP03	3	0.99	<1	<1	0.24	5.4	4.2	0.10	18	1

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Element	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
M12GT-SP03	4.9	>10000	1.16	30.1	690	1.1	3	<0.5	0.18	0.9

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## Analytical Results - Unwarranted Ventures

Element	Ti	Tm	U	W	Y	Yb	Zr	Cu	Pb	Zn
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICP90Q	ICP90Q	ICP90Q
Det.Lim.	0.5	0.05	0.05	1	0.5	0.1	0.5	0.01	0.01	0.01
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
M12GT-SP03	0.6	0.09	0.36	5	6.0	0.6	33.3	1.06	32.8	1.83

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## Certificate of Analysis

Work Order: TK120288

To: **Gary Thompson**  
**COD SGS ASSAYERS**  
C/O F406501 SGS ASSAYERS  
8282 SHERBROOKE STREET  
VANCOUVER BC V5X 4R6

Date: Nov 19, 2012

P.O. No. : Lowprofile Ventures  
Project No. : -  
No. Of Samples : 74  
Date Submitted : Sep 26, 2012  
Report Comprises : Pages 1 to 13  
(Inclusive of Cover Sheet)

**Distribution of unused material:**  
Active files - upstairs:

Certified By :

  
Satpaul Gill  
QAQC Chemist

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n.a. = Not applicable

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M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
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Element	WtKg	Au	Al	Ba	Be	Ca	Cr	Cu	Fe	K
Method	WGH79	FAA313	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.001	5	0.01	0.5	5	0.1	10	5	0.01	0.1
Units	kg	ppb	%	ppm	ppm	%	ppm	ppm	%	%
1-68301	4.278	<5	8.34	559	<5	0.3	<10	138	2.38	3.9
1-68302	2.025	18	7.15	343	<5	0.3	<10	277	3.40	3.2
1-68303	1.585	5	8.00	519	<5	0.2	<10	142	2.39	3.7
1-68304	1.950	34	6.65	397	<5	0.2	<10	981	3.98	2.8
1-68305	4.140	<5	9.14	909	<5	0.4	<10	45	3.26	4.6
1-68306	2.335	11	7.65	704	<5	0.5	<10	890	3.77	3.8
1-68307	1.400	42	3.30	200	<5	0.1	10	4650	3.54	1.4
1-68308	3.480	8	8.73	309	<5	0.5	<10	283	3.83	4.0
1-68310	3.305	11	8.32	593	<5	0.3	<10	114	5.27	3.9
1-68311	2.345	12	5.98	270	<5	0.4	<10	249	3.69	2.6
1-68312	0.730	<5	0.06	6.4	<5	>35.0	<10	9	0.05	<0.1
1-68313	2.170	840	4.74	267	<5	0.5	10	113	2.71	2.2
1-68314	1.080	46	10.2	805	<5	1.3	<10	13	2.89	4.4
1-68315	1.750	<5	9.93	1020	<5	1.3	<10	6	3.07	4.3
1-68316	2.455	9	7.75	700	<5	0.5	<10	161	4.53	3.4
1-68317	3.710	17	6.06	301	<5	0.3	<10	784	5.78	2.4
1-68318	4.280	9	7.43	390	<5	0.3	<10	241	4.45	3.4
1-68319	4.040	5	7.98	430	<5	0.4	<10	79	3.82	3.7
1-68320	1.980	55	1.63	2470	<5	0.6	20	2240	4.12	0.8
1-68321	2.305	<5	8.51	317	<5	1.3	20	20	3.49	3.5
1-68322	3.775	25	5.52	217	<5	0.9	20	176	4.88	2.2
1-68323	0.065	2070	1.38	373	<5	1.7	40	>10000	18.3	0.5
1-68324	3.340	16	5.13	320	<5	0.7	20	92	4.36	2.3
1-68325	2.035	16	6.11	264	<5	0.8	10	42	3.13	2.9
1-68326	1.525	86	4.66	228	<5	0.3	10	808	3.38	2.2
1-68327	3.710	<5	8.08	303	<5	0.7	<10	45	4.23	3.6
1-68328	4.080	80	7.45	113	<5	1.4	40	118	5.78	3.0
1-68329	1.450	1390	4.02	373	<5	1.1	20	1130	4.44	1.6
1-68330	2.780	67	8.03	274	<5	0.6	30	32	6.68	3.0
1-68331	1.230	8	14.2	1140	<5	0.5	50	81	5.88	6.3
1-68332	2.455	43	7.74	433	<5	2.7	<10	306	6.31	3.0
1-68333	2.125	35	10.1	696	<5	1.2	10	26	6.01	4.1
1-68334	1.620	<5	13.2	1230	<5	0.5	50	79	6.74	5.9
1-68335	1.195	124	6.36	568	<5	1.7	30	100	9.92	2.6
1-68336	1.620	<5	10.3	3420	<5	3.6	40	7	6.02	4.8
1-68337	1.420	39	7.47	719	<5	2.9	40	116	4.41	3.4
1-68338	2.960	<5	7.52	109	<5	5.5	40	30	4.95	1.6
1-68339	1.760	30	6.34	204	<5	0.5	10	77	2.35	3.1
1-68340	1.420	762	1.50	46.5	<5	0.6	10	7840	7.69	0.7
1-68341	1.050	620	1.40	42.5	<5	0.6	20	4940	4.87	0.7
1-68342	1.375	400	0.89	18.9	<5	0.3	10	>10000	9.66	0.4
1-68343	0.625	<5	0.04	8.4	<5	>35.0	40	18	0.04	<0.1
1-68344	1.640	231	9.56	409	<5	0.4	<10	654	3.85	4.3

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM90A 0.01 %	Ba ICM90A 0.5 ppm	Be ICM90A 5 ppm	Ca ICM90A 0.1 %	Cr ICM90A 10 ppm	Cu ICM90A 5 ppm	Fe ICM90A 0.01 %	K ICM90A 0.1 %
1-68345	2.920	90	11.0	566	<5	0.8	<10	435	3.09	5.2
1-68346	1.950	585	9.37	483	<5	0.3	<10	772	3.48	4.3
1-68347	1.960	192	8.55	443	<5	0.9	10	506	3.80	3.9
1-68348	4.385	717	4.59	176	<5	1.0	<10	4550	5.22	2.2
1-68349	1.435	441	4.24	192	<5	0.6	10	1980	3.75	2.0
1-68350	4.405	4490	0.86	28.4	<5	0.8	<10	>10000	13.7	0.4
1-68351	1.865	749	1.75	66.1	<5	1.4	10	>10000	6.22	0.8
1-68352	2.470	1210	1.10	125	<5	0.4	20	7980	7.16	0.5
1-68353	0.760	<5	0.03	4.1	<5	>35.0	<10	20	0.04	<0.1
1-68354	1.960	176	3.03	121	<5	0.9	<10	>10000	9.15	1.5
1-68355	3.845	139	5.07	211	<5	0.3	10	8290	5.96	2.5
1-68356	4.710	57	7.89	284	<5	0.6	<10	2580	5.00	3.6
1-68357	1.835	11	8.11	269	<5	1.4	10	213	5.32	3.5
1-68358	1.150	58	6.30	1470	<5	1.4	10	322	5.11	3.0
1-68359	0.925	35	7.85	304	<5	0.8	30	84	5.02	3.5
1-68360	0.065	2230	1.33	363	<5	1.7	30	>10000	16.3	0.5
1-68361	1.535	21	7.86	186	<5	1.6	30	131	4.31	3.3
1-68362	3.440	14	6.87	158	<5	0.9	30	119	4.23	3.2
1-68363	2.725	20	10.0	426	<5	0.7	30	272	4.02	4.8
1-68364	2.505	51	5.27	325	<5	1.8	40	303	4.89	2.4
1-68365	4.245	<5	8.37	1700	<5	3.2	200	25	6.39	3.1
1-68366	2.600	7	8.65	1230	<5	2.7	110	278	6.66	2.6
1-68367	1.645	144	2.76	255	<5	0.5	30	349	4.20	1.3
1-68368	1.195	28	8.49	239	<5	0.5	50	109	5.05	4.1
1-68369	1.355	14	9.31	1480	<5	1.7	40	228	6.04	4.7
1-68370	1.915	<5	9.45	1410	<5	2.2	40	96	6.14	3.8
1-68371	1.395	22	6.61	492	<5	2.9	40	916	8.33	2.5
1-68372	0.615	<5	0.04	8.6	<5	>35.0	<10	<5	0.05	<0.1
1-68373	2.010	<5	10.1	1340	<5	2.5	60	22	5.58	4.1
1-68374	1.600	<5	9.89	1290	<5	2.4	60	23	5.49	4.1
1-68375	3.825	5	9.36	1250	<5	3.6	40	29	4.93	4.3

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Element Method Det.Lim.	Li ICM90A 10 ppm	Mg ICM90A 0.01 %	Mn ICM90A 10 ppm	Ni ICM90A 5 ppm	P ICM90A 0.01 %	Sc ICM90A 5 ppm	Sr ICM90A 0.1 ppm	Ti ICM90A 0.01 %	V ICM90A 5 ppm	Zn ICM90A 5 ppm
1-68301	20	0.66	2750	15	0.10	<5	23.3	0.26	23	2790
1-68302	20	0.58	3910	13	0.09	<5	16.1	0.21	18	>10000
1-68303	<10	0.41	1740	12	0.10	<5	16.5	0.23	18	3180
1-68304	20	0.57	3350	12	0.08	7	12.6	0.19	21	>10000
1-68305	30	0.69	5420	10	0.10	<5	59.4	0.25	21	5050
1-68306	30	0.74	9880	8	0.09	<5	98.5	0.20	20	>10000
1-68307	20	0.21	6780	12	0.05	<5	155	0.07	11	>10000
1-68308	40	0.68	13200	8	0.09	<5	52.9	0.22	23	9690
1-68310	40	1.02	5970	8	0.10	<5	43.7	0.21	24	5380
1-68311	30	0.45	11600	15	0.08	<5	67.9	0.15	24	9320
1-68312	<10	2.33	60	<5	0.02	<5	4630	<0.01	<5	34
1-68313	30	0.31	8140	15	0.06	<5	53.5	0.12	18	3410
1-68314	40	0.78	4380	9	0.10	<5	381	0.26	23	377
1-68315	20	0.82	2210	8	0.09	<5	241	0.25	24	126
1-68316	50	0.79	4140	8	0.08	<5	76.8	0.21	21	7900
1-68317	50	0.75	6990	10	0.07	<5	20.9	0.16	24	>10000
1-68318	40	0.58	10200	10	0.08	<5	31.2	0.20	26	>10000
1-68319	40	0.51	11400	10	0.09	<5	71.6	0.20	33	5710
1-68320	20	0.21	18100	16	0.03	<5	111	0.03	12	>10000
1-68321	70	0.85	6120	15	0.09	5	99.2	0.24	30	2280
1-68322	40	0.74	6310	16	0.06	<5	67.0	0.14	22	6870
1-68323	<10	0.89	450	70	0.05	<5	48.4	0.04	55	>10000
1-68324	30	0.49	16700	19	0.07	<5	132	0.13	25	531
1-68325	10	0.53	12200	15	0.07	<5	47.7	0.16	22	1520
1-68326	30	0.33	7670	15	0.06	<5	32.4	0.12	22	4400
1-68327	30	0.90	10000	13	0.10	<5	39.9	0.19	24	3300
1-68328	40	0.82	24300	35	0.10	12	109	0.32	117	1480
1-68329	50	0.32	13700	27	0.05	5	358	0.15	48	5930
1-68330	70	0.57	4020	28	0.10	14	65.3	0.39	142	949
1-68331	20	0.71	3060	22	0.09	25	70.1	0.66	171	587
1-68332	40	0.76	5420	25	0.07	<5	75.1	0.20	33	>10000
1-68333	40	0.77	2810	21	0.08	7	81.2	0.31	65	1420
1-68334	30	0.80	5940	29	0.08	24	167	0.59	187	650
1-68335	40	0.83	9180	32	0.07	11	125	0.33	86	8250
1-68336	50	1.47	4510	39	0.11	17	154	0.52	172	141
1-68337	20	1.19	28500	31	0.07	11	314	0.32	104	1730
1-68338	60	2.22	7270	32	0.09	11	793	0.33	107	191
1-68339	30	0.35	8570	11	0.04	<5	178	0.15	25	4510
1-68340	20	0.22	27400	17	0.02	<5	95.4	0.04	17	>10000
1-68341	20	0.19	17800	16	0.02	<5	81.1	0.03	15	>10000
1-68342	20	0.13	28100	21	0.02	<5	99.9	0.02	11	>10000
1-68343	<10	1.83	80	<5	0.02	<5	4760	<0.01	<5	200
1-68344	20	0.43	25400	13	0.11	<5	1010	0.25	32	6140

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Element Method Det.Lim. Units	Li ICM90A 10 ppm	Mg ICM90A 0.01 %	Mn ICM90A 10 ppm	Ni ICM90A 5 ppm	P ICM90A 0.01 %	Sc ICM90A 5 ppm	Sr ICM90A 0.1 ppm	Ti ICM90A 0.01 %	V ICM90A 5 ppm	Zn ICM90A 5 ppm
1-68345	<10	0.46	22500	9	0.11	<5	195	0.30	32	242
1-68346	10	0.37	19100	11	0.10	<5	489	0.24	31	>10000
1-68347	20	0.31	18500	11	0.09	<5	64.5	0.23	33	>10000
1-68348	20	0.26	42900	10	0.06	<5	108	0.12	20	>10000
1-68349	20	0.22	16700	10	0.05	<5	130	0.11	14	>10000
1-68350	20	0.11	30800	27	0.02	<5	112	0.02	10	>10000
1-68351	30	0.23	32000	12	0.02	<5	160	0.05	19	>10000
1-68352	<10	0.16	36800	12	0.02	<5	27.7	0.04	16	>10000
1-68353	<10	1.65	70	<5	0.02	<5	3860	<0.01	<5	133
1-68354	20	0.36	>100000	8	0.04	<5	412	0.09	24	2410
1-68355	<10	0.23	32100	17	0.05	<5	217	0.14	29	>10000
1-68356	30	0.40	5430	10	0.09	<5	95.7	0.23	30	>10000
1-68357	60	0.77	8370	9	0.11	<5	101	0.23	27	7910
1-68358	20	0.60	26100	10	0.07	<5	164	0.20	26	5430
1-68359	30	0.69	25800	18	0.12	9	35.2	0.32	97	3740
1-68360	<10	0.88	430	67	0.05	<5	45.3	0.04	53	>10000
1-68361	50	0.72	23500	21	0.11	9	82.9	0.28	94	1330
1-68362	30	0.46	18300	21	0.09	8	140	0.27	78	2290
1-68363	10	0.62	8450	29	0.13	12	219	0.42	109	9700
1-68364	40	0.77	20100	36	0.07	6	65.3	0.22	67	8170
1-68365	90	1.88	6350	118	0.14	22	170	0.45	128	456
1-68366	100	1.62	10400	97	0.09	21	370	0.49	137	1470
1-68367	50	0.24	20600	21	0.05	<5	143	0.12	38	3520
1-68368	10	0.42	44600	28	0.09	14	31.0	0.46	111	2830
1-68369	40	1.14	9500	37	0.11	15	254	0.43	129	5730
1-68370	50	1.11	3880	36	0.10	14	261	0.44	139	>10000
1-68371	60	1.51	8390	29	0.09	11	161	0.31	95	>10000
1-68372	<10	1.81	50	<5	0.02	<5	4140	<0.01	<5	64
1-68373	50	1.15	3080	39	0.12	17	376	0.50	144	685
1-68374	50	1.12	3000	39	0.12	16	370	0.49	141	669
1-68375	20	2.11	3100	34	0.11	15	314	0.44	136	112

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Element Method Det.Lim. Units	Ag ICM90A 1 ppm	As ICM90A 5 ppm	Bi ICM90A 0.1 ppm	Cd ICM90A 0.2 ppm	Ce ICM90A 0.1 ppm	Co ICM90A 0.5 ppm	Cs ICM90A 0.1 ppm	Dy ICM90A 0.05 ppm	Er ICM90A 0.05 ppm	Eu ICM90A 0.05 ppm
1-68301	14	42	0.9	7.7	44.2	6.4	18.6	2.86	1.81	1.16
1-68302	6	42	3.2	73.6	38.8	8.7	12.2	2.60	1.58	0.93
1-68303	2	39	0.5	18.6	39.9	6.2	18.5	2.70	1.70	1.00
1-68304	16	43	22.5	70.0	34.5	13.2	13.9	2.25	1.50	0.74
1-68305	3	15	2.6	22.3	48.1	6.2	15.5	3.06	1.88	1.28
1-68306	11	<5	10.8	81.4	42.9	14.0	9.1	2.73	1.56	1.27
1-68307	56	27	54.0	202	15.9	28.3	3.8	0.98	0.60	0.39
1-68308	6	10	1.5	47.0	45.0	6.2	12.2	2.75	1.74	1.14
1-68310	6	36	7.0	24.7	43.0	6.3	12.2	2.75	1.63	1.07
1-68311	8	23	6.9	43.3	36.9	9.4	8.9	2.26	1.47	0.82
1-68312	<1	<5	<0.1	<0.2	0.3	0.7	0.2	<0.05	<0.05	<0.05
1-68313	10	3290	4.4	16.9	30.5	6.3	8.7	1.48	1.01	0.78
1-68314	<1	152	0.2	1.5	53.8	6.8	78.9	3.61	2.12	1.48
1-68315	<1	7	<0.1	0.3	53.8	4.4	49.3	3.43	2.13	1.44
1-68316	4	22	1.2	38.5	38.2	5.2	13.8	2.76	1.69	1.04
1-68317	17	32	6.5	166	22.4	11.8	6.2	1.97	1.31	0.47
1-68318	6	13	3.4	63.3	33.6	7.3	9.6	2.49	1.72	0.77
1-68319	4	7	3.3	23.9	40.6	6.6	9.9	2.88	1.76	1.08
1-68320	64	25	60.7	245	7.1	25.6	2.5	0.75	0.42	0.50
1-68321	1	15	0.1	8.3	46.1	5.9	11.2	2.86	1.76	1.22
1-68322	8	61	10.5	29.5	26.6	7.0	7.3	1.96	1.26	0.58
1-68323	160	1070	62.5	545	12.9	35.9	1.2	1.52	0.86	0.75
1-68324	3	24	2.8	2.8	24.5	12.5	7.8	1.70	1.06	0.60
1-68325	2	22	2.1	7.1	23.8	7.8	10.0	2.00	1.29	0.60
1-68326	25	112	32.5	21.3	17.7	14.0	7.4	1.66	1.09	0.49
1-68327	4	10	0.6	14.3	42.2	5.5	12.5	3.03	1.90	1.21
1-68328	4	341	2.1	6.3	28.5	22.5	11.8	2.48	1.46	0.92
1-68329	34	6110	10.7	28.4	16.8	16.9	15.2	1.88	1.03	0.63
1-68330	<1	115	0.4	4.2	25.1	19.4	10.6	2.71	1.51	0.72
1-68331	2	35	1.0	2.7	24.7	15.1	50.0	3.49	2.03	1.20
1-68332	7	67	5.1	58.6	47.0	23.7	15.4	3.01	1.66	1.45
1-68333	<1	40	0.2	6.5	62.2	14.3	31.5	4.12	2.36	1.62
1-68334	1	30	0.4	3.4	38.8	19.5	55.8	4.06	2.39	1.55
1-68335	4	194	0.9	42.0	20.3	38.7	16.6	2.35	1.44	0.79
1-68336	<1	10	<0.1	<0.2	31.9	26.1	17.7	3.66	2.03	1.63
1-68337	2	183	0.3	8.3	26.8	18.9	34.4	2.54	1.47	1.25
1-68338	<1	16	<0.1	0.6	28.9	19.8	25.7	2.97	1.60	1.11
1-68339	4	29	3.5	22.2	33.2	7.0	11.5	1.89	1.26	0.59
1-68340	213	519	216	512	7.3	83.3	2.9	1.44	0.69	0.30
1-68341	199	519	218	548	5.4	59.1	2.4	1.08	0.54	0.23
1-68342	424	315	412	906	4.6	115	1.9	0.86	0.38	0.19
1-68343	<1	<5	0.6	1.1	0.2	0.9	0.1	<0.05	<0.05	<0.05
1-68344	31	341	11.3	32.2	58.2	14.4	64.2	3.47	2.17	1.49

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Element Method Det.Lim. Units	Ag ICM90A 1 ppm	As ICM90A 5 ppm	Bi ICM90A 0.1 ppm	Cd ICM90A 0.2 ppm	Ce ICM90A 0.1 ppm	Co ICM90A 0.5 ppm	Cs ICM90A 0.1 ppm	Dy ICM90A 0.05 ppm	Er ICM90A 0.05 ppm	Eu ICM90A 0.05 ppm
1-68345	6	89	0.6	1.2	58.7	10.9	23.6	3.75	2.32	1.58
1-68346	28	409	2.8	65.7	52.6	9.8	25.3	3.65	2.06	1.48
1-68347	18	291	17.8	71.4	35.9	15.3	16.5	3.05	1.82	1.04
1-68348	205	655	202	61.8	22.2	10.6	6.3	2.34	1.44	0.65
1-68349	57	463	63.3	306	23.0	23.8	6.0	1.71	1.17	0.51
1-68350	717	2450	149	713	5.4	23.2	1.7	1.09	0.52	0.29
1-68351	356	627	213	401	5.8	41.1	2.7	1.31	0.66	0.31
1-68352	263	797	199	861	6.2	46.4	1.6	1.21	0.61	0.30
1-68353	<1	5	0.5	0.9	0.1	0.7	0.3	<0.05	<0.05	<0.05
1-68354	297	99	328	15.9	15.4	10.5	4.4	3.25	1.51	0.72
1-68355	107	79	109	178	25.4	34.5	8.2	1.90	1.29	0.70
1-68356	104	29	154	113	36.5	21.8	12.6	2.79	1.77	0.76
1-68357	9	22	7.1	38.3	41.9	9.9	9.6	2.79	1.77	1.18
1-68358	9	85	6.0	28.8	29.4	10.0	12.0	2.56	1.52	0.94
1-68359	4	35	0.9	17.1	29.2	10.3	14.9	2.26	1.38	0.82
1-68360	159	1030	62.0	559	12.7	35.1	0.9	1.52	0.94	0.73
1-68361	3	51	1.7	6.1	27.9	14.5	10.2	2.27	1.35	1.08
1-68362	3	47	2.1	12.3	25.7	14.1	13.7	1.85	1.18	0.78
1-68363	4	50	2.5	49.3	42.5	19.6	19.8	2.84	1.77	1.19
1-68364	9	94	9.4	39.6	19.0	23.1	10.6	1.71	0.99	0.70
1-68365	<1	38	<0.1	2.0	20.4	33.2	35.9	2.86	1.69	1.33
1-68366	3	96	0.4	6.5	21.4	31.9	17.9	2.87	1.62	1.26
1-68367	11	654	3.0	19.7	12.6	17.7	4.3	0.83	0.46	0.44
1-68368	4	43	3.3	14.9	33.2	21.7	10.2	2.84	1.79	0.99
1-68369	7	25	9.2	29.0	30.8	28.0	10.6	2.91	1.73	1.28
1-68370	2	14	1.6	69.7	31.6	23.0	14.6	3.07	1.77	1.22
1-68371	12	26	13.0	314	23.6	27.0	7.5	2.49	1.49	0.64
1-68372	<1	<5	<0.1	0.4	0.1	0.7	0.2	<0.05	<0.05	<0.05
1-68373	<1	10	0.4	3.1	38.2	21.4	23.9	3.31	2.01	1.42
1-68374	<1	10	0.4	2.7	37.8	20.6	23.3	3.36	1.91	1.36
1-68375	<1	<5	<0.1	<0.2	37.9	20.9	7.0	3.16	1.75	1.48

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Element Method Det.Lim. Units	Ga ICM90A 1 ppm	Gd ICM90A 0.05 ppm	Ge ICM90A 1 ppm	Hf ICM90A 1 ppm	Ho ICM90A 0.05 ppm	In ICM90A 0.2 ppm	La ICM90A 0.1 ppm	Lu ICM90A 0.05 ppm	Mo ICM90A 2 ppm	Nb ICM90A 1 ppm
1-68301	19	3.22	2	5	0.63	<0.2	21.6	0.36	3	5
1-68302	16	2.85	2	4	0.57	1.1	18.8	0.37	16	4
1-68303	16	2.90	2	4	0.61	<0.2	19.6	0.34	3	4
1-68304	16	2.53	2	4	0.54	1.2	17.5	0.33	7	4
1-68305	21	3.51	2	5	0.67	0.6	24.3	0.44	4	5
1-68306	18	3.00	1	4	0.57	4.8	22.1	0.37	5	4
1-68307	8	1.13	1	2	0.22	18.1	8.2	0.18	11	2
1-68308	19	3.19	1	4	0.62	1.1	22.2	0.40	3	4
1-68310	20	2.97	1	4	0.61	<0.2	20.9	0.37	3	3
1-68311	16	2.51	2	4	0.49	1.2	18.9	0.35	4	4
1-68312	<1	<0.05	<1	<1	<0.05	<0.2	0.2	0.05	<2	<1
1-68313	12	1.91	2	3	0.34	0.5	15.5	0.21	11	3
1-68314	23	4.09	2	5	0.76	<0.2	26.2	0.43	2	5
1-68315	23	3.92	1	5	0.78	<0.2	26.7	0.43	<2	5
1-68316	18	2.90	2	4	0.59	0.8	18.0	0.38	3	4
1-68317	15	1.89	2	3	0.45	3.5	10.6	0.30	14	3
1-68318	18	2.59	2	4	0.61	1.2	16.6	0.36	8	3
1-68319	19	3.04	2	5	0.63	0.4	19.3	0.35	9	4
1-68320	5	0.73	1	<1	0.14	16.9	3.4	0.14	22	<1
1-68321	20	3.33	2	5	0.63	<0.2	22.8	0.42	2	4
1-68322	13	2.03	2	3	0.45	<0.2	12.9	0.37	5	3
1-68323	19	1.56	5	<1	0.32	7.3	7.9	0.23	39	1
1-68324	13	1.97	2	3	0.39	0.6	11.9	0.27	19	3
1-68325	15	2.09	2	4	0.44	0.3	10.6	0.42	4	3
1-68326	12	1.63	2	3	0.39	1.1	7.9	0.23	38	2
1-68327	19	3.24	2	4	0.64	<0.2	21.0	0.39	4	4
1-68328	18	2.92	2	3	0.52	0.6	13.8	0.28	3	2
1-68329	11	1.94	2	2	0.39	2.3	8.2	0.18	11	1
1-68330	16	3.09	2	2	0.55	<0.2	12.1	0.28	5	2
1-68331	34	3.71	1	4	0.72	0.2	10.4	0.42	3	3
1-68332	18	3.66	2	4	0.62	0.4	27.6	0.36	8	4
1-68333	23	4.71	2	5	0.87	<0.2	34.1	0.48	2	4
1-68334	29	4.07	2	4	0.86	<0.2	16.5	0.49	2	3
1-68335	15	2.60	1	2	0.53	0.7	9.5	0.26	5	2
1-68336	23	3.94	1	3	0.77	<0.2	14.9	0.37	<2	2
1-68337	19	2.83	2	3	0.55	0.7	12.9	0.27	3	2
1-68338	17	3.30	2	3	0.61	<0.2	14.2	0.26	<2	2
1-68339	16	1.95	2	4	0.41	0.5	16.7	0.27	45	3
1-68340	6	1.15	2	<1	0.28	40.2	3.6	0.15	71	<1
1-68341	6	0.79	3	<1	0.21	36.7	2.6	0.17	64	<1
1-68342	6	0.78	5	<1	0.16	57.0	2.3	0.08	39	<1
1-68343	<1	<0.05	<1	<1	<0.05	<0.2	<0.1	<0.05	<2	<1
1-68344	25	4.15	2	5	0.76	2.0	29.4	0.41	11	5

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Element Method Det.Lim. Units	Ga ICM90A 1 ppm	Gd ICM90A 0.05 ppm	Ge ICM90A 1 ppm	Hf ICM90A 1 ppm	Ho ICM90A 0.05 ppm	In ICM90A 0.2 ppm	La ICM90A 0.1 ppm	Lu ICM90A 0.05 ppm	Mo ICM90A 2 ppm	Nb ICM90A 1 ppm
1-68345	26	4.13	1	6	0.82	0.6	29.4	0.49	3	5
1-68346	24	4.01	2	5	0.77	1.9	25.8	0.41	4	4
1-68347	21	3.21	1	4	0.65	4.3	17.3	0.30	13	3
1-68348	12	2.17	2	2	0.51	5.1	10.4	0.24	11	2
1-68349	11	1.70	2	2	0.40	15.3	10.6	0.26	8	2
1-68350	5	0.88	4	<1	0.22	29.0	2.6	0.07	19	<1
1-68351	7	1.02	2	<1	0.26	17.2	2.6	0.12	98	<1
1-68352	5	0.94	1	<1	0.26	49.5	2.9	0.09	484	<1
1-68353	2	<0.05	<1	<1	<0.05	<0.2	<0.1	<0.05	4	<1
1-68354	12	2.51	1	1	0.65	9.6	7.6	0.19	42	1
1-68355	16	1.97	1	3	0.43	11.3	12.6	0.66	236	2
1-68356	20	3.07	2	4	0.63	6.2	17.3	0.34	28	3
1-68357	16	3.05	2	4	0.62	1.6	21.0	0.34	6	3
1-68358	18	2.54	2	3	0.56	1.4	14.0	0.28	6	3
1-68359	20	2.68	2	3	0.51	0.5	14.3	0.23	4	3
1-68360	20	1.41	5	<1	0.34	7.6	7.6	0.14	38	1
1-68361	19	2.50	2	3	0.53	0.8	13.5	0.26	16	2
1-68362	18	2.08	2	3	0.41	0.6	12.2	0.25	8	2
1-68363	25	3.30	2	4	0.64	0.5	20.5	0.32	5	4
1-68364	14	1.76	2	2	0.40	1.3	9.0	0.19	27	2
1-68365	19	2.93	2	2	0.61	<0.2	9.6	0.27	<2	2
1-68366	21	2.93	2	2	0.64	<0.2	10.7	0.27	3	2
1-68367	9	1.06	2	<1	0.18	2.1	6.4	0.11	93	1
1-68368	22	3.03	1	3	0.66	1.7	16.5	0.32	16	4
1-68369	21	3.40	1	3	0.64	1.7	14.7	0.29	50	2
1-68370	22	3.45	1	3	0.67	5.4	14.4	0.29	2	2
1-68371	17	2.77	1	2	0.54	21.4	11.4	0.25	7	2
1-68372	1	<0.05	<1	<1	<0.05	<0.2	<0.1	<0.05	<2	<1
1-68373	22	3.76	2	4	0.73	<0.2	18.2	0.36	2	3
1-68374	22	3.63	2	4	0.71	<0.2	17.9	0.36	2	4
1-68375	22	3.48	1	3	0.66	<0.2	19.1	0.32	<2	2

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Element	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68301	21.3	1130	5.63	199	14.1	3.8	<1	<0.5	0.51	4.0
1-68302	18.7	3930	4.97	188	8.4	3.4	2	<0.5	0.45	3.5
1-68303	18.8	1050	5.14	150	8.3	3.5	<1	<0.5	0.47	3.7
1-68304	16.8	3750	4.45	152	12.3	3.0	1	<0.5	0.38	3.3
1-68305	23.2	914	6.33	259	7.5	4.4	<1	<0.5	0.54	4.2
1-68306	20.5	1290	5.54	223	6.1	3.7	<1	<0.5	0.47	3.6
1-68307	7.5	3430	2.03	96.7	10.0	1.3	<1	<0.5	0.17	1.3
1-68308	21.5	2310	5.92	245	6.3	4.0	<1	<0.5	0.49	3.9
1-68310	21.0	2580	5.66	238	3.8	3.8	1	<0.5	0.49	3.7
1-68311	17.7	2070	4.81	145	10.6	3.1	<1	<0.5	0.38	2.9
1-68312	0.2	17	<0.05	1.3	0.6	<0.1	<1	<0.5	<0.05	<0.1
1-68313	14.8	1100	4.03	141	36.1	2.5	1	<0.5	0.30	2.2
1-68314	26.2	231	7.00	207	8.5	4.9	<1	<0.5	0.63	4.7
1-68315	26.1	62	7.03	217	4.4	4.7	<1	<0.5	0.62	4.5
1-68316	18.6	1010	4.96	196	4.8	3.4	1	<0.5	0.46	3.6
1-68317	11.0	5890	2.90	175	13.6	2.1	2	<0.5	0.31	2.9
1-68318	16.5	2460	4.39	221	5.5	3.1	2	<0.5	0.44	3.4
1-68319	19.8	1500	5.32	239	6.2	3.5	<1	<0.5	0.46	3.6
1-68320	3.6	>10000	0.91	52.9	14.1	0.7	<1	<0.5	0.12	0.5
1-68321	22.7	631	5.98	231	4.9	4.0	<1	<0.5	0.53	3.7
1-68322	13.1	3660	3.49	145	7.5	2.5	<1	<0.5	0.34	2.5
1-68323	6.8	>10000	1.81	17.8	244	1.5	168	<0.5	0.25	1.1
1-68324	12.4	372	3.23	143	7.0	2.3	1	<0.5	0.30	2.5
1-68325	12.3	380	3.21	186	6.9	2.4	<1	<0.5	0.35	2.8
1-68326	9.3	3520	2.36	131	9.5	1.9	<1	<0.5	0.29	2.1
1-68327	21.1	2650	5.50	240	8.1	3.8	<1	<0.5	0.52	3.7
1-68328	15.6	1150	3.96	201	10.3	3.2	<1	<0.5	0.45	2.6
1-68329	9.1	2110	2.27	91.4	39.1	2.0	1	<0.5	0.33	1.2
1-68330	14.8	269	3.63	193	5.4	3.3	1	<0.5	0.46	1.6
1-68331	14.5	125	3.46	236	6.4	3.6	1	<0.5	0.62	3.1
1-68332	25.5	1760	6.69	124	2.7	4.5	<1	<0.5	0.57	3.0
1-68333	33.8	360	8.64	155	2.6	6.6	<1	<0.5	0.74	4.0
1-68334	21.7	157	5.27	223	7.1	4.6	2	<0.5	0.68	2.7
1-68335	12.3	1690	2.92	127	5.5	2.7	1	<0.5	0.43	1.7
1-68336	19.5	25	4.72	213	3.1	4.2	4	<0.5	0.63	3.1
1-68337	14.4	724	3.63	229	6.8	3.2	<1	<0.5	0.43	2.5
1-68338	16.2	57	3.97	102	2.5	3.4	<1	<0.5	0.53	2.6
1-68339	15.7	460	4.18	194	8.4	2.7	1	<0.5	0.34	3.4
1-68340	3.9	>10000	0.96	41.7	27.8	0.9	<1	<0.5	0.23	0.5
1-68341	2.9	>10000	0.74	38.1	26.7	0.6	<1	<0.5	0.16	0.4
1-68342	2.3	>10000	0.62	24.3	78.2	0.6	<1	<0.5	0.13	0.2
1-68343	0.1	53	<0.05	0.5	0.6	<0.1	<1	<0.5	<0.05	<0.1
1-68344	29.1	4780	7.70	237	14.5	5.2	1	<0.5	0.66	4.4

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Element	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68345	28.6	398	7.61	249	7.6	5.2	<1	<0.5	0.65	4.8
1-68346	26.9	7510	7.05	205	15.7	4.9	1	<0.5	0.63	4.2
1-68347	17.8	3080	4.65	166	5.9	3.6	1	<0.5	0.56	3.5
1-68348	11.7	>10000	3.09	117	48.1	2.2	<1	<0.5	0.40	1.8
1-68349	11.9	5530	3.11	98.2	12.0	2.1	<1	<0.5	0.27	1.8
1-68350	3.1	>10000	0.71	20.9	481	0.7	<1	<0.5	0.17	0.2
1-68351	3.3	>10000	0.86	42.5	81.1	0.8	<1	<0.5	0.20	0.6
1-68352	3.3	>10000	0.85	31.5	60.8	0.8	1	<0.5	0.19	0.5
1-68353	<0.1	39	<0.05	0.7	0.5	<0.1	<1	<0.5	<0.05	<0.1
1-68354	8.4	9220	2.08	88.1	45.4	2.0	<1	<0.5	0.56	1.2
1-68355	12.8	3850	3.37	145	26.9	2.4	1	<0.5	0.31	2.2
1-68356	18.9	6340	5.03	215	5.7	3.6	2	<0.5	0.49	3.4
1-68357	21.0	4150	5.61	206	9.7	3.9	1	<0.5	0.49	3.3
1-68358	15.3	3080	3.95	169	11.9	2.9	2	<0.5	0.43	2.7
1-68359	15.6	1220	3.99	192	6.2	3.1	1	<0.5	0.43	2.9
1-68360	6.9	>10000	1.77	16.0	217	1.4	168	<0.5	0.25	1.1
1-68361	14.9	518	3.89	204	7.7	2.8	<1	<0.5	0.42	2.7
1-68362	13.6	522	3.47	199	8.1	2.7	<1	<0.5	0.33	2.6
1-68363	21.9	2170	5.64	275	10.0	4.3	2	<0.5	0.52	3.8
1-68364	10.3	2740	2.54	132	10.4	2.0	<1	<0.5	0.31	1.8
1-68365	13.2	260	3.08	185	7.7	3.1	<1	<0.5	0.47	1.4
1-68366	13.7	776	3.23	174	10.1	3.0	<1	<0.5	0.49	1.8
1-68367	6.7	530	1.73	81.5	19.8	1.3	<1	<0.5	0.15	0.7
1-68368	18.5	363	4.74	255	5.5	3.4	<1	<0.5	0.49	3.6
1-68369	17.7	342	4.32	190	4.0	3.6	<1	<0.5	0.54	2.4
1-68370	17.9	835	4.41	155	3.3	3.5	<1	<0.5	0.52	2.3
1-68371	13.4	1500	3.29	162	2.8	2.9	3	<0.5	0.42	1.9
1-68372	0.1	7	<0.05	0.7	0.4	<0.1	<1	<0.5	<0.05	<0.1
1-68373	21.0	317	5.24	163	2.7	4.3	<1	<0.5	0.58	3.2
1-68374	20.8	316	5.23	158	4.0	4.2	1	<0.5	0.56	3.2
1-68375	20.5	18	5.13	142	2.4	4.1	<1	<0.5	0.53	2.7

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Element	Ti	Tm	U	W	Y	Yb	Zr	Cu	Zn	Pb
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICP90Q	ICP90Q	ICP90Q
Det.Lim.	0.5	0.05	0.05	1	0.5	0.1	0.5	0.01	0.01	0.01
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
1-68301	3.1	0.29	2.00	7	16.5	1.9	186	N.A.	N.A.	N.A.
1-68302	2.7	0.25	1.53	5	14.9	1.7	163	N.A.	1.48	N.A.
1-68303	2.0	0.27	1.71	2	16.0	1.8	176	N.A.	N.A.	N.A.
1-68304	2.0	0.25	1.43	4	14.0	1.6	158	N.A.	1.38	N.A.
1-68305	4.0	0.30	1.81	5	18.0	2.1	199	N.A.	N.A.	N.A.
1-68306	3.6	0.26	1.54	4	15.6	1.7	169	N.A.	1.54	N.A.
1-68307	1.5	0.09	0.63	5	6.0	0.7	68.8	N.A.	3.75	N.A.
1-68308	3.7	0.30	1.57	7	17.2	2.0	181	N.A.	N.A.	N.A.
1-68310	3.4	0.29	1.47	3	16.6	1.9	174	N.A.	N.A.	N.A.
1-68311	2.0	0.24	1.29	3	13.3	1.5	140	N.A.	N.A.	N.A.
1-68312	<0.5	<0.05	1.71	<1	<0.5	<0.1	2.2	N.A.	N.A.	N.A.
1-68313	1.9	0.16	1.17	3	9.0	1.1	108	N.A.	N.A.	N.A.
1-68314	3.1	0.36	1.66	3	20.9	2.3	219	N.A.	N.A.	N.A.
1-68315	3.5	0.36	1.99	<1	20.8	2.4	213	N.A.	N.A.	N.A.
1-68316	3.0	0.27	1.51	3	16.0	1.9	170	N.A.	N.A.	N.A.
1-68317	2.5	0.21	1.25	11	12.0	1.4	142	N.A.	3.64	N.A.
1-68318	3.1	0.27	1.55	5	15.4	1.8	164	N.A.	1.25	N.A.
1-68319	3.6	0.28	1.66	4	16.4	1.8	172	N.A.	N.A.	N.A.
1-68320	0.8	0.06	0.27	1	4.4	0.3	30.0	N.A.	5.16	1.03
1-68321	3.6	0.31	1.72	3	16.8	1.9	180	N.A.	N.A.	N.A.
1-68322	2.1	0.20	1.23	4	11.5	1.3	126	N.A.	N.A.	N.A.
1-68323	35.4	0.14	4.32	2	9.1	0.8	26.2	1.25	9.18	1.51
1-68324	2.1	0.20	1.17	5	10.2	1.3	121	N.A.	N.A.	N.A.
1-68325	2.6	0.21	1.13	3	12.1	1.5	136	N.A.	N.A.	N.A.
1-68326	1.9	0.17	0.88	6	10.0	1.2	107	N.A.	N.A.	N.A.
1-68327	3.5	0.30	1.49	4	18.0	2.0	171	N.A.	N.A.	N.A.
1-68328	3.2	0.21	1.18	6	13.5	1.4	104	N.A.	N.A.	N.A.
1-68329	1.5	0.15	0.70	6	10.4	0.9	60.1	N.A.	N.A.	N.A.
1-68330	2.7	0.22	0.90	6	14.0	1.3	78.7	N.A.	N.A.	N.A.
1-68331	2.5	0.33	3.31	12	17.1	2.1	146	N.A.	N.A.	N.A.
1-68332	1.6	0.26	1.72	4	15.4	1.6	152	N.A.	0.97	N.A.
1-68333	2.1	0.42	2.61	3	19.8	2.5	185	N.A.	N.A.	N.A.
1-68334	3.5	0.38	2.20	6	19.3	2.4	126	N.A.	N.A.	N.A.
1-68335	1.7	0.24	0.82	7	13.3	1.3	71.7	N.A.	N.A.	N.A.
1-68336	3.6	0.32	1.02	1	18.9	2.0	110	N.A.	N.A.	N.A.
1-68337	3.6	0.21	0.97	7	13.8	1.4	103	N.A.	N.A.	N.A.
1-68338	1.6	0.23	1.00	6	16.3	1.5	102	N.A.	N.A.	N.A.
1-68339	2.8	0.19	1.15	6	11.2	1.4	154	N.A.	N.A.	N.A.
1-68340	0.8	0.10	0.31	3	7.9	0.6	31.1	N.A.	10.4	1.02
1-68341	0.7	0.07	0.25	2	5.9	0.4	26.0	N.A.	11.2	1.44
1-68342	0.8	0.05	0.17	2	4.8	0.3	18.6	1.46	18.9	3.29
1-68343	<0.5	<0.05	1.61	<1	<0.5	<0.1	1.6	N.A.	N.A.	N.A.
1-68344	3.9	0.36	1.93	12	20.5	2.3	209	N.A.	N.A.	N.A.

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Element	TI	Tm	U	W	Y	Yb	Zr	Cu	Zn	Pb
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICP90Q	ICP90Q	ICP90Q
Det.Lim.	0.5	0.05	0.05	1	0.5	0.1	0.5	0.01	0.01	0.01
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
1-68345	4.1	0.38	1.66	9	22.7	2.5	234	N.A.	N.A.	N.A.
1-68346	3.1	0.35	1.62	11	20.2	2.3	197	N.A.	1.32	N.A.
1-68347	2.2	0.26	1.31	11	17.4	1.6	162	N.A.	1.42	N.A.
1-68348	1.7	0.22	0.60	5	13.9	1.4	87.0	N.A.	1.06	1.62
1-68349	1.3	0.20	0.76	6	10.2	1.3	84.6	N.A.	6.25	N.A.
1-68350	0.7	0.06	0.17	5	5.9	0.3	18.5	2.51	14.8	5.76
1-68351	0.8	0.09	0.35	4	7.3	0.5	35.3	1.34	8.60	1.32
1-68352	0.8	0.08	0.22	4	6.7	0.4	29.5	N.A.	19.1	2.72
1-68353	<0.5	<0.05	1.68	<1	<0.5	<0.1	2.1	N.A.	N.A.	N.A.
1-68354	1.5	0.18	0.37	6	17.6	1.2	59.6	1.17	N.A.	N.A.
1-68355	2.2	0.20	0.64	11	11.6	1.3	106	N.A.	3.30	N.A.
1-68356	3.2	0.29	0.91	7	16.2	1.9	155	N.A.	2.13	N.A.
1-68357	3.3	0.27	1.24	5	16.5	1.9	161	N.A.	N.A.	N.A.
1-68358	2.3	0.23	0.79	9	14.7	1.6	132	N.A.	N.A.	N.A.
1-68359	2.8	0.20	1.60	10	12.9	1.3	116	N.A.	N.A.	N.A.
1-68360	35.5	0.13	4.37	2	9.2	0.9	25.8	1.26	9.51	1.53
1-68361	3.2	0.22	1.28	6	13.1	1.4	101	N.A.	N.A.	N.A.
1-68362	3.1	0.18	1.18	7	10.4	1.2	102	N.A.	N.A.	N.A.
1-68363	3.9	0.31	1.56	11	15.7	1.9	155	N.A.	N.A.	N.A.
1-68364	1.8	0.16	0.85	11	9.9	1.0	69.1	N.A.	N.A.	N.A.
1-68365	3.4	0.25	1.26	8	15.1	1.5	86.6	N.A.	N.A.	N.A.
1-68366	2.9	0.25	1.18	10	14.8	1.6	84.0	N.A.	N.A.	N.A.
1-68367	1.3	0.07	0.35	6	4.7	0.5	37.4	N.A.	N.A.	N.A.
1-68368	4.1	0.29	1.34	14	14.8	1.8	136	N.A.	N.A.	N.A.
1-68369	3.2	0.27	0.92	5	16.5	1.6	114	N.A.	N.A.	N.A.
1-68370	2.6	0.27	0.97	6	16.7	1.7	123	N.A.	1.30	N.A.
1-68371	2.1	0.22	0.76	13	14.3	1.4	92.3	N.A.	6.21	N.A.
1-68372	<0.5	<0.05	1.58	<1	<0.5	<0.1	1.5	N.A.	N.A.	N.A.
1-68373	2.6	0.29	1.24	3	18.1	2.0	143	N.A.	N.A.	N.A.
1-68374	2.7	0.31	1.23	3	17.8	1.9	147	N.A.	N.A.	N.A.
1-68375	2.0	0.28	1.20	<1	16.7	1.7	122	N.A.	N.A.	N.A.

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## Certificate of Analysis

Work Order: TK120289

To: Gary Thompson  
COD SGS ASSAYERS  
C/O F406501 SGS ASSAYERS  
8282 SHERBROOKE STREET  
VANCOUVER BC V5X 4R6

Date: Nov 07, 2012

P.O. No. : Lowprofile Ventures  
Project No. : -  
No. Of Samples : 41  
Date Submitted : Sep 26, 2012  
Report Comprises : Pages 1 to 7  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files - upstairs:

Certified By :

  
Satpaul Gill  
QAQC Chemist

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

**Report Footer:**

L.N.R. = Listed not received  
n.a. = Not applicable

I.S. = Insufficient Sample  
-- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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SGS Canada Inc. | Mineral Services 8282 Sherbrooke Street Vancouver BC t(604) 327-3436 f(604) 327-3423 [www.ca.sgs.com](http://www.ca.sgs.com)

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Element	WtKg	Au	Al	Ba	Be	Ca	Cr	Cu	Fe	K
Method	WGH79	FAA313	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.001	5	0.01	0.5	5	0.1	10	5	0.01	0.1
Units	kg	ppb	%	ppm	ppm	%	ppm	ppm	%	%
1-68376	1.595	<5	8.45	1610	<5	5.7	40	159	4.32	2.5
1-68377	1.150	7	8.22	2080	<5	7.9	50	241	4.93	3.0
1-68378	3.660	14	7.55	236	<5	4.9	20	89	4.08	2.6
1-68379	1.940	92	8.36	541	<5	5.1	30	37	5.22	3.3
1-68380	2.710	<5	8.19	518	<5	2.4	40	15	3.77	3.6
1-68381	0.070	1970	1.33	370	<5	1.7	30	>10000	17.8	0.4
1-68382	1.615	<5	9.57	894	<5	1.8	310	<5	6.13	4.1
1-68383	2.380	<5	8.79	2230	<5	4.2	210	<5	6.06	3.8
1-68384	2.390	5	7.87	1360	<5	3.8	110	21	4.02	3.3
1-68385	1.185	<5	5.35	3490	<5	4.2	80	38	4.07	1.9
1-68386	3.090	<5	9.63	2090	<5	2.7	100	141	4.52	3.6
1-68387	2.295	<5	6.99	611	<5	4.7	120	55	3.36	2.9
1-68388	3.180	<5	8.85	80.9	<5	3.1	140	32	5.18	2.0
1-68389	1.165	475	7.02	189	<5	4.4	120	116	5.59	1.5
1-68390	1.770	43	8.55	433	<5	3.3	150	42	5.22	3.0
1-68391	3.060	116	2.49	186	<5	0.9	40	504	4.18	1.0
1-68392	1.470	111	3.07	95.3	<5	0.8	40	192	4.00	1.3
1-68393	2.685	1620	1.87	119	<5	0.9	50	982	3.93	0.9
1-68394	3.255	1210	5.08	804	<5	1.0	60	658	4.82	2.2
1-68395	1.700	89	4.95	514	<5	2.5	70	135	3.89	2.0
1-68396	1.045	<5	0.04	7.0	<5	>35.0	<10	<5	0.04	<0.1
1-68397	1.595	20	7.47	1410	<5	3.0	70	88	3.71	2.9
1-68398	1.855	40	6.88	372	<5	5.0	270	32	5.57	2.6
1-68399	2.935	457	5.48	148	<5	3.5	210	31	3.79	2.3
1-68400	2.195	29	10.1	345	<5	2.1	60	57	5.15	4.3
1-68401	2.790	13	8.42	1160	<5	1.3	60	286	7.22	3.0
1-68402	0.065	1950	1.32	376	<5	1.8	40	>10000	18.0	0.4
1-68403	1.010	8	9.52	1960	<5	1.3	60	188	5.59	3.5
1-68404	2.080	232	8.34	868	<5	1.8	60	437	4.75	3.6
1-68405	3.035	37	8.04	868	<5	2.0	50	321	6.15	2.7
1-68406	2.700	35	7.23	782	<5	2.3	50	142	3.88	3.1
1-68407	1.240	35	8.10	640	<5	3.0	50	43	5.68	3.3
1-68408	1.595	136	3.33	69.2	<5	0.7	40	876	4.81	1.5
1-68409	0.800	181	3.80	83.3	<5	0.6	50	1290	5.53	1.7
1-68410	1.970	38	8.81	627	<5	1.6	110	62	4.90	4.7
1-68411	1.605	255	6.85	78.3	<5	1.9	30	998	5.85	2.9
1-68412	0.975	206	8.10	134	<5	2.1	40	402	4.44	3.2
1-68413	2.445	3030	2.56	128	<5	0.4	30	7070	9.01	1.1
1-68414	3.445	6	10.4	547	<5	1.1	90	71	7.33	3.8
1-68415	1.595	24	9.52	592	<5	1.7	150	46	5.94	3.6
1-68416	2.285	<5	11.2	728	<5	0.8	70	55	5.17	3.7

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Element Method Det.Lim. Units	Ag	As	Bi	Cd	Ce	Co	Cs	Dy	Er	Eu
	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
	1 ppm	5 ppm	0.1 ppm	0.2 ppm	0.1 ppm	0.5 ppm	0.1 ppm	0.05 ppm	0.05 ppm	0.05 ppm
1-68376	3	74	0.1	4.2	38.2	20.1	20.1	2.92	1.75	1.47
1-68377	7	252	<0.1	5.6	32.5	21.8	22.7	2.49	1.42	1.34
1-68378	3	52	<0.1	0.4	31.9	12.7	16.6	2.30	1.36	0.90
1-68379	3	106	<0.1	9.4	36.5	17.4	21.9	2.63	1.57	1.06
1-68380	3	27	<0.1	0.3	40.9	13.0	26.8	2.19	1.32	0.90
1-68381	157	1090	62.8	506	14.0	32.8	0.8	1.50	0.90	0.74
1-68382	11	58	<0.1	<0.2	32.6	24.8	46.6	3.59	1.93	1.62
1-68383	1	48	<0.1	<0.2	21.6	26.4	53.2	2.58	1.45	1.15
1-68384	2	52	<0.1	0.3	35.1	18.7	29.1	2.42	1.38	1.16
1-68385	9	375	<0.1	9.7	16.1	26.2	12.1	1.96	1.08	1.03
1-68386	9	1240	<0.1	3.1	29.7	22.6	22.8	2.71	1.66	1.21
1-68387	2	62	<0.1	3.9	18.8	16.3	22.9	2.19	1.30	0.76
1-68388	1	51	<0.1	0.6	34.1	22.3	23.3	3.20	1.99	1.25
1-68389	3	1070	<0.1	8.3	25.6	19.3	12.3	2.47	1.37	0.97
1-68390	2	121	0.1	5.1	30.1	17.8	19.4	2.88	1.66	1.13
1-68391	8	616	3.6	85.1	8.2	13.3	2.6	0.94	0.50	0.37
1-68392	10	723	2.5	50.7	9.3	13.0	3.3	1.03	0.56	0.43
1-68393	35	4610	1.7	34.8	7.5	12.2	2.7	0.86	0.45	0.31
1-68394	13	125	8.6	117	12.3	19.1	6.7	1.50	0.92	0.52
1-68395	4	248	1.0	24.8	17.2	11.1	11.6	1.52	0.89	0.62
1-68396	1	<5	<0.1	<0.2	0.1	0.6	<0.1	<0.05	<0.05	<0.05
1-68397	5	84	0.6	12.6	24.8	11.8	40.4	2.18	1.26	0.94
1-68398	3	201	0.8	7.8	15.5	26.5	13.0	2.21	1.22	0.85
1-68399	7	1470	0.4	15.8	12.1	21.9	12.0	1.68	0.99	0.56
1-68400	5	138	1.2	5.7	37.0	18.1	28.7	3.12	1.81	1.34
1-68401	22	17	5.9	123	32.7	17.9	10.3	2.56	1.43	0.88
1-68402	151	1080	62.6	520	13.4	32.7	0.8	1.49	0.88	0.71
1-68403	7	20	6.6	28.9	40.7	19.8	50.1	3.01	1.73	1.48
1-68404	7	12	2.2	79.7	38.2	18.3	23.9	3.15	1.81	1.14
1-68405	11	53	0.1	45.6	36.4	18.8	8.8	2.67	1.62	1.10
1-68406	8	130	<0.1	6.0	27.9	16.5	30.5	2.76	1.69	1.08
1-68407	5	117	1.2	3.6	22.8	19.2	18.1	2.68	1.70	1.08
1-68408	12	371	13.2	142	12.4	23.7	4.9	1.67	0.91	0.43
1-68409	20	543	8.7	210	14.3	23.5	5.4	1.72	0.95	0.46
1-68410	6	61	0.3	2.4	33.2	18.0	19.4	2.52	1.42	1.14
1-68411	50	103	50.8	16.1	26.2	12.3	11.3	2.67	1.40	1.20
1-68412	21	1530	5.4	16.3	31.6	8.7	24.0	2.36	1.37	1.26
1-68413	872	8130	61.4	143	9.5	14.4	5.4	3.76	1.25	0.79
1-68414	18	40	0.3	13.3	35.4	21.5	19.1	2.94	1.59	1.32
1-68415	19	23	1.8	8.6	30.2	20.6	13.6	2.46	1.38	1.01
1-68416	12	45	<0.1	16.8	31.5	13.6	17.8	2.66	1.58	1.30

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Element Method Det.Lim. Units	Ga ICM90A 1 ppm	Gd ICM90A 0.05 ppm	Ge ICM90A 1 ppm	Hf ICM90A 1 ppm	Ho ICM90A 0.05 ppm	In ICM90A 0.2 ppm	La ICM90A 0.1 ppm	Lu ICM90A 0.05 ppm	Mo ICM90A 2 ppm	Nb ICM90A 1 ppm
1-68376	20	3.37	6	3	0.63	<0.2	19.4	0.32	5	3
1-68377	18	2.99	2	2	0.54	<0.2	16.9	0.24	<2	2
1-68378	16	2.81	2	3	0.50	<0.2	16.1	0.22	<2	3
1-68379	19	2.80	2	3	0.58	<0.2	17.4	0.28	<2	3
1-68380	19	2.48	2	3	0.49	<0.2	20.8	0.27	2	4
1-68381	18	1.69	5	<1	0.34	7.0	8.5	0.70	39	1
1-68382	20	4.22	3	2	0.77	<0.2	14.7	0.32	<2	2
1-68383	18	2.88	2	2	0.56	<0.2	9.8	0.26	<2	2
1-68384	18	2.60	2	2	0.53	<0.2	16.3	0.31	<2	2
1-68385	16	2.13	5	1	0.43	<0.2	7.9	0.18	3	1
1-68386	22	2.87	7	3	0.56	<0.2	13.8	0.28	2	3
1-68387	15	2.41	2	2	0.50	<0.2	8.3	0.49	2	2
1-68388	20	3.73	2	3	0.71	<0.2	15.5	0.33	<2	3
1-68389	14	2.94	1	2	0.56	<0.2	11.6	0.26	3	2
1-68390	19	3.46	1	2	0.63	<0.2	13.7	0.27	3	2
1-68391	7	0.98	1	<1	0.20	2.7	4.1	0.12	18	<1
1-68392	8	1.13	2	<1	0.23	2.1	4.7	0.45	19	<1
1-68393	5	0.92	3	<1	0.17	1.7	3.6	0.08	15	<1
1-68394	12	1.56	2	1	0.34	4.8	5.5	0.21	16	2
1-68395	12	1.84	2	1	0.34	0.4	8.1	0.16	5	1
1-68396	<1	<0.05	<1	<1	<0.05	<0.2	0.1	0.21	<2	<1
1-68397	17	2.61	2	2	0.46	0.3	11.4	0.24	3	2
1-68398	14	2.41	1	1	0.51	<0.2	7.1	0.22	2	2
1-68399	13	1.66	2	1	0.36	0.4	5.5	0.16	5	1
1-68400	22	3.52	2	3	0.67	<0.2	17.9	0.34	3	3
1-68401	18	2.94	2	3	0.56	7.7	15.1	0.27	4	3
1-68402	18	1.52	5	<1	0.34	7.0	8.1	0.20	39	1
1-68403	22	3.61	2	4	0.69	1.8	19.1	0.31	4	4
1-68404	19	3.62	2	3	0.67	4.3	17.7	0.28	11	3
1-68405	18	3.27	2	3	0.60	<0.2	17.7	0.29	3	3
1-68406	16	2.95	2	2	0.62	<0.2	13.4	0.37	2	2
1-68407	17	2.97	2	2	0.62	0.2	10.5	0.28	2	2
1-68408	9	1.64	2	<1	0.36	9.2	5.9	0.13	12	<1
1-68409	10	1.81	1	1	0.40	25.3	6.7	0.16	8	1
1-68410	19	3.07	2	3	0.54	0.2	16.6	0.25	2	3
1-68411	17	2.70	1	2	0.57	2.1	13.1	0.24	7	2
1-68412	19	2.95	2	3	0.52	1.3	15.0	0.26	4	2
1-68413	8	3.22	2	<1	0.67	9.8	4.5	0.11	67	<1
1-68414	23	3.52	1	3	0.61	<0.2	17.4	0.25	3	3
1-68415	21	2.75	1	3	0.52	<0.2	13.9	3.64	29	3
1-68416	26	3.05	1	3	0.59	<0.2	14.1	0.28	2	3

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Element Method Det.Lim. Units	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
	0.1 ppm	5 ppm	0.05 ppm	0.2 ppm	0.1 ppm	0.1 ppm	1 ppm	0.5 ppm	0.05 ppm	0.1 ppm
1-68376	19.6	200	4.89	103	7.2	3.9	<1	<0.5	0.57	2.8
1-68377	16.6	1320	4.33	124	12.8	3.4	<1	<0.5	0.44	2.7
1-68378	15.6	38	4.13	175	15.6	3.1	<1	<0.5	0.42	3.1
1-68379	18.2	318	4.75	214	8.6	3.4	<1	<0.5	0.47	3.4
1-68380	18.3	39	5.14	177	11.7	3.0	<1	<0.5	0.41	3.5
1-68381	7.0	>10000	1.90	16.2	213	1.5	155	<0.5	0.29	1.3
1-68382	19.1	44	4.63	215	5.7	4.5	<1	<0.5	0.65	1.9
1-68383	13.1	47	3.20	203	5.6	2.9	<1	<0.5	0.45	1.6
1-68384	16.9	58	4.50	157	6.1	3.3	<1	<0.5	0.45	2.4
1-68385	9.3	538	2.31	79.2	18.3	2.1	<1	<0.5	0.35	1.3
1-68386	15.9	352	4.07	117	55.2	3.4	<1	<0.5	0.48	2.7
1-68387	11.5	667	2.75	174	7.9	2.6	<1	<0.5	0.39	1.4
1-68388	19.8	106	4.89	136	5.6	4.1	<1	<0.5	0.59	1.9
1-68389	15.2	501	3.64	98.7	17.0	3.2	<1	<0.5	0.46	1.4
1-68390	17.8	673	4.35	195	5.0	3.8	<1	<0.5	0.53	1.6
1-68391	4.5	671	1.17	71.4	10.3	1.0	<1	<0.5	0.15	0.7
1-68392	5.3	548	1.30	90.0	11.1	1.1	<1	<0.5	0.19	0.9
1-68393	3.9	1130	0.99	57.0	60.5	0.8	<1	<0.5	0.15	0.5
1-68394	7.1	3090	1.71	149	8.7	1.6	<1	<0.5	0.27	1.3
1-68395	9.4	930	2.30	135	10.6	2.0	<1	<0.5	0.30	1.3
1-68396	0.1	15	<0.05	0.6	0.5	<0.1	<1	<0.5	<0.05	<0.1
1-68397	14.0	1110	3.41	178	5.5	2.9	<1	<0.5	0.41	2.4
1-68398	9.6	522	2.22	174	4.4	2.2	<1	<0.5	0.41	1.1
1-68399	7.1	968	1.75	166	13.6	1.7	<1	<0.5	0.28	0.9
1-68400	19.3	511	5.09	268	5.1	4.0	<1	<0.5	0.57	3.4
1-68401	16.8	1110	4.43	170	5.1	3.3	<1	<0.5	0.47	2.9
1-68402	6.7	>10000	1.85	16.1	202	1.4	151	<0.5	0.27	1.3
1-68403	21.0	1900	5.48	182	6.7	4.1	<1	<0.5	0.55	3.5
1-68404	19.4	629	5.18	190	6.2	3.9	<1	<0.5	0.56	3.2
1-68405	18.4	4130	4.86	172	6.8	3.8	<1	<0.5	0.50	3.0
1-68406	14.6	340	3.72	156	16.2	3.0	<1	<0.5	0.48	1.8
1-68407	13.3	169	3.25	178	7.6	3.0	<1	<0.5	0.49	1.5
1-68408	7.2	1540	1.76	103	8.9	1.6	<1	<0.5	0.30	1.0
1-68409	8.0	630	1.96	117	9.2	1.7	<1	<0.5	0.31	1.2
1-68410	17.4	316	4.53	245	9.0	3.3	<1	<0.5	0.46	2.8
1-68411	13.8	>10000	3.57	152	18.5	2.9	<1	<0.5	0.47	2.4
1-68412	16.6	2580	4.28	161	21.3	3.5	<1	<0.5	0.45	2.8
1-68413	5.6	>10000	1.35	72.5	415	1.9	<1	<0.5	0.72	0.7
1-68414	18.7	2230	4.79	237	4.9	3.9	<1	<0.5	0.54	2.5
1-68415	16.1	641	4.14	222	3.0	3.3	<1	<0.5	0.44	2.5
1-68416	16.9	660	4.29	233	5.0	3.4	<1	<0.5	0.47	2.9

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Element Method Det.Lim. Units	Ti	Tm	U	W	Y	Yb	Zr	Cu	Zn	Pb
	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICP90Q	ICP90Q	ICP90Q
	0.5 ppm	0.05 ppm	0.05 ppm	1 ppm	0.5 ppm	0.1 ppm	0.5 ppm	0.01 %	0.01 %	0.01 %
1-68376	2.0	0.27	1.21	24	16.2	1.7	117	N.A.	N.A.	N.A.
1-68377	1.5	0.23	0.92	1	14.2	1.4	91.8	N.A.	N.A.	N.A.
1-68378	2.8	0.22	1.19	4	13.5	1.4	115	N.A.	N.A.	N.A.
1-68379	3.4	0.24	1.17	7	15.0	1.6	129	N.A.	N.A.	N.A.
1-68380	2.5	0.23	1.41	4	13.0	1.5	124	N.A.	N.A.	N.A.
1-68381	36.7	0.15	3.91	2	9.5	0.8	27.0	1.26	9.28	1.53
1-68382	3.7	0.31	1.87	7	18.8	1.9	84.7	N.A.	N.A.	N.A.
1-68383	3.7	0.21	1.53	3	13.5	1.4	70.8	N.A.	N.A.	N.A.
1-68384	2.6	0.22	1.27	4	13.6	1.3	73.8	N.A.	N.A.	N.A.
1-68385	1.4	0.16	0.75	9	10.9	1.0	57.6	N.A.	N.A.	N.A.
1-68386	2.0	0.26	1.17	20	14.0	1.6	108	N.A.	N.A.	N.A.
1-68387	3.2	0.20	0.67	10	12.7	1.4	77.6	N.A.	N.A.	N.A.
1-68388	2.3	0.30	0.86	6	17.6	1.8	102	N.A.	N.A.	N.A.
1-68389	1.7	0.23	0.70	4	13.4	1.4	80.3	N.A.	N.A.	N.A.
1-68390	3.3	0.27	0.78	8	16.3	1.6	89.3	N.A.	N.A.	N.A.
1-68391	1.0	0.07	0.32	7	5.0	0.5	28.6	N.A.	1.84	N.A.
1-68392	1.4	0.10	0.41	9	5.8	0.5	36.5	N.A.	N.A.	N.A.
1-68393	1.0	0.07	0.23	6	4.8	0.4	22.8	N.A.	N.A.	N.A.
1-68394	2.3	0.14	0.54	8	8.5	0.9	57.9	N.A.	2.56	N.A.
1-68395	2.1	0.14	0.57	6	8.1	0.8	56.1	N.A.	N.A.	N.A.
1-68396	<0.5	<0.05	1.43	<1	<0.5	<0.1	2.5	N.A.	N.A.	N.A.
1-68397	3.0	0.22	1.17	7	11.7	1.2	92.5	N.A.	N.A.	N.A.
1-68398	3.0	0.20	0.40	9	12.3	1.1	55.8	N.A.	N.A.	N.A.
1-68399	2.8	0.16	0.39	21	8.8	0.9	50.2	N.A.	N.A.	N.A.
1-68400	4.2	0.29	1.69	9	17.1	1.8	131	N.A.	N.A.	N.A.
1-68401	2.4	0.24	1.02	6	13.9	1.4	107	N.A.	2.77	N.A.
1-68402	36.2	0.13	3.85	2	9.0	0.8	23.9	1.24	9.42	1.51
1-68403	2.8	0.29	1.28	5	16.6	1.8	136	N.A.	N.A.	N.A.
1-68404	2.9	0.27	1.08	13	17.2	1.7	119	N.A.	1.52	N.A.
1-68405	2.7	0.25	1.21	5	14.8	1.6	114	N.A.	N.A.	N.A.
1-68406	2.4	0.26	0.84	4	14.5	1.7	79.1	N.A.	N.A.	N.A.
1-68407	3.1	0.26	0.82	5	15.3	1.5	69.9	N.A.	N.A.	N.A.
1-68408	1.4	0.14	0.42	6	9.2	0.8	38.0	N.A.	2.95	N.A.
1-68409	1.6	0.15	0.48	7	9.7	0.9	43.7	N.A.	4.52	N.A.
1-68410	4.2	0.22	1.11	4	13.3	1.3	108	N.A.	N.A.	N.A.
1-68411	2.6	0.22	1.10	6	14.9	1.3	86.7	N.A.	N.A.	0.99
1-68412	3.3	0.22	1.18	6	13.0	1.4	101	N.A.	N.A.	N.A.
1-68413	1.3	0.14	0.50	10	18.3	0.7	28.5	N.A.	3.02	8.35
1-68414	3.6	0.24	1.68	8	15.5	1.5	104	N.A.	N.A.	N.A.
1-68415	3.3	0.21	1.78	5	12.5	1.3	115	N.A.	N.A.	N.A.
1-68416	3.6	0.24	2.20	6	14.8	1.4	114	N.A.	N.A.	N.A.

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## Certificate of Analysis

Work Order: TK120290

To: Gary Thompson  
COD SGS ASSAYERS  
C/O F406501 SGS ASSAYERS  
8282 SHERBROOKE STREET  
VANCOUVER BC V5X 4R6

Date: Nov 13, 2012

P.O. No. : Lowprofile Ventures  
Project No. : -  
No. Of Samples : 74  
Date Submitted : Oct 01, 2012  
Report Comprises : Pages 1 to 15  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files - upstairs:

Certified By :

Satpaul Gill  
QAQC Chemist

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer:

L.N.R. = Listed not received  
n.a. = Not applicable

I.S. = Insufficient Sample  
-- = No result

\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element	WKg	Au	Al	Ba	Be	Ca	Cr	Cu	Fe	K
Method	WGH79	FAA313	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.001	5	0.01	0.5	5	0.1	10	5	0.01	0.1
Units	kg	ppb	%	ppm	ppm	%	ppm	ppm	%	%
1-68417	0.800	107	6.42	369	<5	1.8	50	1950	5.64	1.7
1-68418	1.025	<5	0.03	10.5	<5	>35.0	<10	17	0.05	<0.1
1-68419	1.300	<5	7.80	577	<5	1.1	60	514	3.76	1.3
1-68420	2.685	54	7.99	113	<5	3.2	40	16	3.93	1.6
1-68421	1.905	211	7.06	124	<5	2.4	40	283	4.52	2.7
1-68422	3.430	<5	8.88	1550	<5	3.5	40	49	4.11	3.8
1-68423	1.125	<5	7.78	989	<5	4.8	30	189	3.77	2.7
1-68424	1.680	60	4.43	50.2	<5	4.0	20	164	3.25	1.8
1-68425	2.765	5030	2.84	42.2	<5	1.6	30	4850	8.32	1.3
1-68426	1.820	3340	1.79	40.3	<5	1.1	<10	6830	9.89	0.9
1-68427	4.560	9	8.62	140	<5	1.2	40	143	7.56	2.7
1-68428	3.040	8	7.03	144	<5	0.9	30	425	8.15	2.5
1-68429	2.350	36	5.39	136	<5	0.8	30	549	7.20	2.0
1-68430	1.030	216	3.37	71.3	<5	0.5	20	3560	7.84	1.2
1-68431	1.295	<5	9.53	452	<5	1.2	40	31	5.62	2.0
1-68432	0.065	1540	1.29	381	<5	1.7	30	>10000	15.5	0.4
1-68433	1.160	<5	6.59	133	<5	2.4	<10	71	3.50	2.1
1-68434	1.570	<5	8.28	114	<5	2.1	30	217	4.66	1.8
1-68435	1.195	7	10.4	70.6	<5	1.5	50	90	4.96	2.0
1-68436	3.360	<5	10.2	63.0	<5	1.8	50	66	6.12	0.9
1-68437	1.065	133	2.61	98.1	<5	1.4	10	5540	6.81	1.0
1-68438	2.530	<5	10.2	199	<5	1.1	40	233	6.86	1.2
1-68439	1.095	190	8.87	339	<5	0.4	40	484	6.08	1.7
1-68440	2.040	<5	9.28	716	<5	1.2	40	46	4.48	1.3
1-68441	2.220	3030	5.66	222	<5	1.0	20	4640	5.34	2.8
1-68442	2.060	5	9.25	295	<5	1.2	40	32	5.83	3.0
1-68443	0.820	302	0.62	80.4	<5	0.4	<10	2340	8.42	0.2
1-68444	0.755	<5	0.05	6.0	<5	>35.0	<10	<5	0.05	<0.1
1-68445	2.230	6	10.6	694	<5	0.7	50	206	6.40	2.1
1-68446	0.410	30	5.36	278	<5	0.4	20	267	5.02	2.5
1-68447	1.115	217	2.57	86.8	<5	0.9	20	2900	5.58	1.2
1-68448	2.505	6	7.90	64.6	<5	2.9	30	31	6.25	2.0
1-68449	1.460	5	4.98	148	<5	1.9	20	281	5.24	1.9
1-68450	3.190	43	8.70	197	<5	1.8	20	34	5.41	2.6
1-68451	3.465	7030	0.63	14.0	<5	1.2	<10	>10000	10.2	0.3
1-68452	3.155	219	5.40	168	<5	1.7	20	760	4.02	2.6
1-68453	0.070	2100	1.25	374	<5	1.8	30	>10000	15.5	0.4
1-68454	2.515	2460	2.12	45.5	<5	2.4	50	4700	5.33	0.9
1-68455	1.150	3400	2.02	38.9	<5	2.8	40	4470	5.38	0.7
1-68456	0.945	53	1.75	61.8	<5	0.8	40	359	2.73	0.8
1-68457	4.130	<5	9.52	1560	<5	2.4	50	30	5.20	3.5
1-68458	3.020	<5	9.96	1550	<5	1.2	40	37	5.87	2.7
1-68459	2.160	16	5.20	252	<5	0.5	20	1500	8.32	2.0

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Element	WtKg	Au	Al	Ba	Be	Ca	Cr	Cu	Fe	K
Method	WGH79	FAA313	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.001	5	0.01	0.5	5	0.1	10	5	0.01	0.1
Units	kg	ppb	%	ppm	ppm	%	ppm	ppm	%	%
1-68460	1.190	40	3.80	318	<5	0.6	10	1420	8.49	1.2
1-68461	2.765	100	7.49	219	<5	0.5	30	614	5.12	3.4
1-68462	2.365	74	7.67	215	<5	0.9	170	362	4.61	3.4
1-68463	1.900	129	6.05	358	<5	1.7	230	380	6.49	2.0
1-68464	2.210	<5	6.10	402	<5	2.1	220	150	5.58	2.2
1-68465	3.790	<5	6.94	949	<5	5.1	110	66	4.71	1.9
1-68466	0.725	<5	0.04	7.4	<5	>35.0	<10	<5	0.05	<0.1
1-68467	3.415	7	8.11	228	<5	1.3	<10	456	4.89	0.9
1-68468	1.270	184	0.59	21.8	<5	0.2	<10	>10000	15.1	0.3
1-68469	1.815	56	6.36	178	<5	1.1	<10	2350	5.71	3.0
1-68470	2.930	951	4.74	95.8	<5	0.5	<10	5010	5.22	2.1
1-68471	3.235	1680	1.07	831	<5	0.9	<10	8540	8.99	0.5
1-68472	2.925	3930	1.23	7.8	<5	0.5	<10	>10000	10.1	0.4
1-68473	2.020	51	6.33	52.4	<5	0.4	30	1510	9.94	0.7
1-68474	0.070	1210	1.21	372	<5	1.8	30	>10000	14.8	0.4
1-68475	3.010	111	4.16	42.6	<5	0.5	20	7120	8.90	1.3
1-68476	2.415	22	8.08	41.5	<5	1.0	40	86	4.99	0.4
1-68477	2.340	<5	9.26	787	<5	0.9	30	32	5.58	4.3
1-68478	2.045	252	4.94	842	<5	1.6	30	653	4.20	2.5
1-68479	5.455	12	10.0	640	<5	1.3	30	112	6.01	4.0
1-68480	2.250	105	6.15	650	<5	1.3	30	183	5.12	3.0
1-68481	0.815	<5	0.08	6.4	<5	>35.0	<10	13	0.09	<0.1
1-68482	2.465	14	9.68	360	<5	1.2	30	16	5.86	4.2
1-68483	1.050	100	8.20	223	<5	0.9	20	241	5.26	3.9
1-68484	3.140	2120	1.75	115	<5	2.2	<10	>10000	9.52	0.9
1-68485	2.940	5140	1.53	24.3	<5	0.4	10	9430	9.12	0.7
1-68486	1.275	3750	1.94	28.3	<5	0.4	10	9140	9.45	1.0
1-68487	2.295	19	7.74	120	<5	0.5	30	249	8.70	2.7
1-68488	2.030	42	4.56	69.9	<5	0.3	20	8360	9.60	1.4
1-68489	5.490	8	9.13	486	<5	1.3	40	29	6.50	2.5
1-68490	2.480	22	6.73	169	<5	0.6	30	1600	8.02	2.6

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Element Method Det.Lim. Units	Li ICM90A 10 ppm	Mg ICM90A 0.01 %	Mn ICM90A 10 ppm	Ni ICM90A 5 ppm	P ICM90A 0.01 %	Sc ICM90A 5 ppm	Sr ICM90A 0.1 ppm	Ti ICM90A 0.01 %	V ICM90A 5 ppm	Zn ICM90A 5 ppm
1-68417	30	1.07	16400	32	0.05	12	224	0.28	78	>10000
1-68418	<10	1.91	60	10	<0.01	<5	4790	<0.01	<5	27
1-68419	20	1.29	1170	43	0.06	11	321	0.28	111	135
1-68420	50	1.47	7550	32	0.07	14	257	0.36	124	553
1-68421	30	1.08	37000	35	0.07	13	128	0.34	117	264
1-68422	30	1.35	1840	34	0.09	15	235	0.39	131	331
1-68423	40	1.14	3230	26	0.07	11	140	0.31	108	2110
1-68424	60	1.19	20800	20	0.08	8	848	0.22	82	1170
1-68425	40	0.57	30200	29	0.01	<5	56.7	0.13	58	>10000
1-68426	20	0.44	96000	15	0.01	<5	61.4	0.08	37	3400
1-68427	110	1.23	13900	37	0.08	16	135	0.41	142	6320
1-68428	140	1.21	6360	29	0.06	12	59.5	0.33	113	8410
1-68429	80	0.75	11800	28	0.05	10	93.7	0.25	88	7270
1-68430	50	0.37	4560	28	0.02	<5	60.6	0.15	58	>10000
1-68431	90	1.13	4010	38	0.09	15	118	0.40	135	2560
1-68432	<10	0.88	410	68	0.03	<5	44.0	0.04	55	>10000
1-68433	90	0.87	8530	11	0.06	<5	626	0.19	32	2110
1-68434	90	0.97	10900	28	0.08	12	1240	0.36	106	683
1-68435	110	0.68	17000	43	0.10	16	1380	0.46	145	2190
1-68436	120	1.12	11800	40	0.10	17	261	0.48	128	1580
1-68437	40	0.70	5520	21	0.01	<5	31.7	0.11	49	>10000
1-68438	90	0.80	5970	37	0.10	15	504	0.46	151	9130
1-68439	70	0.22	5140	28	0.07	13	174	0.41	127	>10000
1-68440	30	1.82	2560	37	0.09	13	357	0.37	148	721
1-68441	30	0.52	33000	14	0.06	5	39.0	0.20	76	>10000
1-68442	40	1.12	26400	33	0.08	15	182	0.42	133	1920
1-68443	30	0.14	14700	14	<0.01	<5	118	0.02	16	>10000
1-68444	<10	1.90	60	<5	<0.01	<5	4520	<0.01	<5	84
1-68445	40	1.44	5570	45	0.12	17	204	0.50	160	>10000
1-68446	30	0.23	57500	12	0.04	7	777	0.24	88	2940
1-68447	30	0.32	45900	14	0.01	<5	80.5	0.09	49	4260
1-68448	70	1.35	17500	26	0.08	11	575	0.33	123	1160
1-68449	150	0.98	4980	16	0.05	<5	55.4	0.19	65	>10000
1-68450	90	0.92	8040	22	0.10	9	339	0.34	108	2450
1-68451	20	0.36	45800	18	<0.01	<5	51.2	0.02	13	>10000
1-68452	40	0.65	32700	16	0.05	<5	226	0.20	62	6510
1-68453	<10	0.90	420	66	0.03	<5	42.9	0.04	54	>10000
1-68454	30	0.66	23900	24	0.02	<5	60.5	0.08	39	>10000
1-68455	50	0.78	15500	23	0.02	<5	46.5	0.08	36	>10000
1-68456	30	0.28	12100	22	0.02	<5	21.0	0.07	30	1480
1-68457	90	0.99	3950	28	0.09	14	266	0.43	135	1530
1-68458	120	0.89	5210	34	0.10	15	282	0.43	139	1680
1-68459	70	0.50	4620	16	0.04	<5	39.9	0.21	65	>10000

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Element	Li	Mg	Mn	Ni	P	Sc	Sr	Ti	V	Zn
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	10	0.01	10	5	0.01	5	0.1	0.01	5	5
Units	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
1-68460	70	0.49	4980	21	0.03	<5	38.1	0.13	47	>10000
1-68461	40	0.45	38800	22	0.08	8	252	0.32	93	4720
1-68462	30	0.57	31500	59	0.08	16	263	0.37	122	6860
1-68463	100	1.49	31600	108	0.06	18	115	0.36	132	3600
1-68464	150	1.74	4140	116	0.07	19	176	0.35	148	391
1-68465	140	2.41	3160	54	0.08	15	533	0.35	115	129
1-68466	<10	2.07	80	<5	<0.01	<5	4340	<0.01	<5	39
1-68467	80	0.78	7970	5	0.09	<5	178	0.23	23	8540
1-68468	<10	0.08	30300	34	<0.01	<5	50.9	0.01	10	>10000
1-68469	10	0.31	53300	15	0.06	<5	96.2	0.16	34	4640
1-68470	20	0.24	42400	18	0.05	<5	115	0.13	25	>10000
1-68471	20	0.34	57900	23	<0.01	<5	45.4	0.05	24	>10000
1-68472	<10	0.25	86900	18	<0.01	<5	11.1	0.05	23	>10000
1-68473	80	1.26	9170	27	0.06	8	79.7	0.29	118	>10000
1-68474	<10	0.88	430	69	0.04	<5	39.3	0.04	54	>10000
1-68475	70	0.93	20300	20	0.05	<5	42.1	0.19	65	>10000
1-68476	70	1.79	5320	37	0.08	13	129	0.38	120	1690
1-68477	50	0.78	15600	26	0.09	12	113	0.39	108	1060
1-68478	40	0.51	23600	17	0.04	5	76.3	0.21	66	>10000
1-68479	50	0.97	9050	29	0.10	13	444	0.42	120	2390
1-68480	30	0.59	31800	23	0.06	8	124	0.28	80	847
1-68481	<10	1.79	150	<5	<0.01	<5	4340	<0.01	<5	576
1-68482	50	0.87	20800	31	0.09	13	82.3	0.46	126	496
1-68483	30	0.53	12700	24	0.08	10	67.9	0.36	112	5420
1-68484	20	0.48	86100	9	0.01	<5	125	0.07	34	>10000
1-68485	20	0.17	30900	20	0.01	<5	15.0	0.06	36	>10000
1-68486	20	0.18	42200	18	0.01	<5	16.7	0.08	40	>10000
1-68487	120	0.83	30500	25	0.08	11	50.1	0.35	117	>10000
1-68488	110	0.82	8450	20	0.04	6	134	0.21	67	>10000
1-68489	60	2.08	7260	33	0.09	13	145	0.42	145	2270
1-68490	60	1.11	16200	29	0.07	9	133	0.30	92	>10000

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Element	Ag	As	Bi	Cd	Ce	Co	Cs	Dy	Er	Eu
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	5	0.1	0.2	0.1	0.5	0.1	0.05	0.05	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68417	79	89	37.4	160	19.6	22.5	6.4	1.90	1.12	0.92
1-68418	<1	<5	0.3	1.2	0.2	0.8	0.1	<0.05	<0.05	<0.05
1-68419	<1	<5	0.1	0.3	19.4	15.8	11.8	1.92	1.22	0.79
1-68420	<1	198	<0.1	2.2	27.1	16.7	9.6	2.50	1.51	0.98
1-68421	7	527	<0.1	1.3	26.3	15.0	14.1	2.57	1.50	1.31
1-68422	2	33	<0.1	1.4	27.9	16.5	20.8	2.61	1.57	1.13
1-68423	8	38	<0.1	10.5	30.4	13.7	16.5	2.38	1.48	1.07
1-68424	3	102	0.4	3.6	11.3	6.2	17.1	1.06	0.56	0.47
1-68425	776	15600	22.7	298	12.5	21.0	5.1	1.43	0.78	0.62
1-68426	194	4080	63.1	22.8	7.0	11.5	2.7	2.50	1.04	0.57
1-68427	5	55	4.9	26.4	29.8	17.0	10.6	2.81	1.72	1.00
1-68428	6	18	9.5	37.1	21.1	18.5	9.0	2.40	1.44	0.58
1-68429	8	34	11.1	32.1	18.7	14.6	5.7	1.86	1.24	0.50
1-68430	55	151	72.9	205	8.4	42.3	3.4	1.06	0.62	0.24
1-68431	3	30	4.4	11.2	31.3	16.5	7.1	2.65	1.59	1.04
1-68432	140	1030	59.7	522	13.0	30.5	0.9	1.56	0.94	0.67
1-68433	5	22	4.5	13.3	33.2	8.3	9.2	2.43	1.40	0.86
1-68434	3	28	0.4	2.3	27.8	11.8	18.4	2.68	1.62	0.90
1-68435	2	47	0.3	4.3	35.3	20.5	10.7	3.37	1.98	1.20
1-68436	3	24	1.7	5.8	31.6	20.3	6.0	3.07	1.95	1.14
1-68437	123	50	255	711	7.2	68.2	2.3	1.04	0.63	0.22
1-68438	12	95	21.9	46.3	36.6	22.2	5.6	3.29	1.91	1.18
1-68439	20	488	12.7	218	28.6	23.1	10.7	2.49	1.49	0.99
1-68440	<1	12	0.5	4.3	28.8	19.7	8.3	2.81	1.66	1.03
1-68441	124	348	158	76.2	17.8	9.1	8.3	2.40	1.25	0.70
1-68442	3	31	1.3	8.5	31.0	16.5	11.3	2.88	1.70	1.27
1-68443	52	230	17.2	921	3.5	36.5	1.1	0.58	0.29	0.27
1-68444	<1	<5	0.2	5.3	0.2	0.9	0.3	<0.05	<0.05	<0.05
1-68445	6	27	3.5	64.4	36.1	23.5	7.3	3.44	2.03	1.30
1-68446	2	116	0.8	8.6	20.3	5.8	9.6	2.19	1.20	0.99
1-68447	38	44	19.4	17.7	7.9	11.7	2.7	1.14	0.56	0.42
1-68448	2	31	0.7	4.6	28.9	14.7	8.0	2.35	1.40	0.89
1-68449	6	11	7.5	104	12.8	21.4	7.3	1.32	0.89	0.35
1-68450	2	58	0.7	10.0	32.4	14.1	10.5	2.36	1.46	0.98
1-68451	222	6660	42.6	569	2.8	19.5	1.0	1.55	0.71	0.27
1-68452	18	471	3.8	33.6	18.9	11.3	8.3	1.63	0.94	0.58
1-68453	115	1030	55.7	509	12.1	28.7	0.9	1.37	0.87	0.66
1-68454	244	1030	9.6	337	5.5	14.5	3.4	1.30	0.61	0.43
1-68455	191	1400	7.9	316	5.7	15.4	2.6	1.28	0.64	0.44
1-68456	5	58	5.0	8.5	4.8	11.8	2.2	0.65	0.38	0.22
1-68457	2	42	0.1	6.9	34.2	18.2	12.5	3.03	1.89	1.21
1-68458	1	28	1.3	7.7	34.0	19.0	18.0	3.29	1.98	1.22
1-68459	68	66	123	669	14.9	45.0	5.9	1.47	1.08	0.34

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Element Method Det.Lim. Units	Ag ICM90A 1 ppm	As ICM90A 5 ppm	Bi ICM90A 0.1 ppm	Cd ICM90A 0.2 ppm	Ce ICM90A 0.1 ppm	Co ICM90A 0.5 ppm	Cs ICM90A 0.1 ppm	Dy ICM90A 0.05 ppm	Er ICM90A 0.05 ppm	Eu ICM90A 0.05 ppm
1-68460	60	68	108	710	13.4	40.4	3.6	1.15	0.76	0.23
1-68461	15	402	3.6	25.4	32.7	18.0	20.4	2.16	1.40	0.91
1-68462	8	218	4.6	31.1	23.9	21.1	31.3	2.46	1.51	0.97
1-68463	8	322	5.3	15.3	12.0	28.2	8.4	1.94	1.13	0.88
1-68464	1	47	<0.1	1.6	12.9	28.4	22.2	1.94	1.17	0.69
1-68465	<1	48	<0.1	0.3	20.4	21.7	14.1	1.96	1.24	0.83
1-68466	<1	<5	<0.1	<0.2	0.1	0.6	0.2	<0.05	<0.05	<0.05
1-68467	9	10	12.9	39.8	41.5	9.3	3.4	2.77	1.84	0.98
1-68468	736	378	>1000	1120	3.6	180	0.8	0.54	0.25	0.15
1-68469	23	31	14.7	18.9	38.2	11.8	9.1	2.07	1.27	1.08
1-68470	143	1270	84.3	248	31.6	15.9	14.8	1.94	1.03	1.05
1-68471	286	782	121	375	4.4	28.6	1.5	1.97	0.78	0.46
1-68472	775	1310	766	469	3.9	25.5	1.7	3.60	1.30	0.51
1-68473	31	62	35.4	326	18.9	52.7	3.2	2.20	1.35	0.57
1-68474	143	1060	61.2	539	12.2	31.7	0.8	1.56	0.92	0.69
1-68475	163	299	256	806	14.5	109	5.0	1.57	0.91	0.51
1-68476	4	55	3.8	11.2	27.6	18.2	3.6	2.57	1.60	0.96
1-68477	1	24	0.5	4.2	36.6	13.8	19.9	3.06	1.82	1.34
1-68478	59	422	2.6	124	20.2	9.6	8.8	1.91	1.05	0.83
1-68479	3	68	2.5	11.6	39.0	14.5	17.2	3.33	2.01	1.32
1-68480	6	199	2.4	3.9	28.5	18.7	8.0	2.42	1.41	0.94
1-68481	<1	<5	0.2	2.5	0.4	0.9	0.2	0.06	<0.05	<0.05
1-68482	1	42	1.2	1.8	41.8	25.1	15.6	3.53	2.26	1.45
1-68483	33	203	54.6	30.4	26.7	18.5	11.8	2.59	1.66	0.76
1-68484	172	3520	59.9	174	8.3	18.9	2.2	3.22	1.27	0.75
1-68485	>1000	11400	98.0	590	3.3	41.0	1.5	1.29	0.58	0.23
1-68486	704	8610	98.0	636	6.4	50.0	1.9	1.70	0.74	0.38
1-68487	14	141	8.3	84.7	27.4	24.0	8.1	2.60	1.55	0.99
1-68488	153	36	210	961	13.8	124	4.1	1.27	0.88	0.36
1-68489	4	16	4.4	19.3	29.2	19.4	9.7	2.82	1.84	1.05
1-68490	19	20	11.3	448	18.1	42.3	6.1	1.93	1.31	0.48

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Element Method Det.Lim. Units	Ga ICM90A 1 ppm	Gd ICM90A 0.05 ppm	Ge ICM90A 1 ppm	Hf ICM90A 1 ppm	Ho ICM90A 0.05 ppm	In ICM90A 0.2 ppm	La ICM90A 0.1 ppm	Lu ICM90A 0.05 ppm	Mo ICM90A 2 ppm	Nb ICM90A 1 ppm
1-68417	13	2.18	1	1	0.40	2.1	8.7	0.16	4	1
1-68418	<1	<0.05	<1	<1	<0.05	<0.2	0.1	<0.05	<2	<1
1-68419	16	2.02	<1	2	0.42	<0.2	8.6	0.21	<2	2
1-68420	17	2.79	2	2	0.55	<0.2	12.9	0.26	<2	2
1-68421	17	2.92	2	2	0.54	0.7	12.8	0.30	<2	2
1-68422	19	2.88	1	2	0.56	<0.2	13.3	0.27	<2	2
1-68423	18	2.86	1	2	0.53	<0.2	15.2	0.32	<2	2
1-68424	8	1.12	2	<1	0.22	0.3	5.4	0.11	<2	<1
1-68425	9	1.55	2	<1	0.30	7.9	6.8	0.10	22	<1
1-68426	6	2.11	1	<1	0.46	6.6	3.4	0.10	14	<1
1-68427	19	3.12	2	3	0.63	1.1	14.8	0.29	7	2
1-68428	17	2.47	1	2	0.54	1.1	9.9	0.25	48	2
1-68429	15	2.09	1	2	0.43	0.9	8.9	0.20	105	2
1-68430	10	1.09	1	1	0.23	10.6	4.0	0.12	325	1
1-68431	19	3.02	2	2	0.59	0.3	15.4	0.28	12	2
1-68432	18	1.56	4	<1	0.34	6.6	7.7	0.15	38	<1
1-68433	17	2.50	3	3	0.51	0.2	16.9	0.28	8	2
1-68434	18	2.95	3	3	0.58	<0.2	13.7	0.27	4	2
1-68435	22	3.40	4	3	0.73	0.3	17.4	0.33	4	3
1-68436	19	3.48	2	3	0.66	<0.2	14.4	0.32	2	3
1-68437	8	1.06	1	<1	0.23	37.6	3.3	0.10	546	<1
1-68438	21	3.60	2	3	0.68	2.0	17.1	0.34	16	3
1-68439	18	3.07	2	2	0.54	9.1	13.7	0.28	7	2
1-68440	18	2.91	1	2	0.61	<0.2	13.4	0.30	3	2
1-68441	14	2.20	2	1	0.47	3.5	8.9	0.16	8	1
1-68442	19	3.04	2	3	0.60	0.3	15.2	0.28	5	2
1-68443	5	0.57	1	<1	0.11	39.5	1.8	<0.05	19	<1
1-68444	1	<0.05	<1	<1	<0.05	0.2	0.2	<0.05	<2	<1
1-68445	23	3.87	2	3	0.74	1.5	16.2	0.36	8	2
1-68446	15	2.20	2	2	0.44	1.7	10.5	0.18	18	1
1-68447	8	1.16	1	<1	0.24	3.2	4.2	0.09	93	<1
1-68448	19	2.73	2	2	0.48	<0.2	14.2	0.26	6	2
1-68449	13	1.23	2	2	0.26	3.7	6.0	0.18	19	1
1-68450	19	2.71	3	3	0.49	<0.2	15.6	0.27	6	2
1-68451	5	1.02	2	<1	0.30	23.8	1.4	0.08	35	<1
1-68452	14	1.86	2	2	0.36	1.8	9.6	0.19	4	1
1-68453	17	1.38	4	<1	0.31	6.4	7.2	0.14	38	<1
1-68454	8	1.10	2	<1	0.27	10.1	2.7	0.08	20	<1
1-68455	7	1.30	2	<1	0.25	9.1	2.9	0.09	12	<1
1-68456	7	0.65	1	<1	0.14	0.8	2.3	0.06	151	<1
1-68457	23	3.28	2	3	0.67	<0.2	17.0	0.30	3	2
1-68458	24	3.52	3	4	0.71	<0.2	15.8	0.36	2	3
1-68459	16	1.58	1	2	0.37	26.6	6.8	0.23	13	2

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Element	Ga	Gd	Ge	Hf	Ho	In	La	Lu	Mo	Nb
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	0.05	1	1	0.05	0.2	0.1	0.05	2	1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68460	13	1.21	2	2	0.27	29.3	6.2	0.16	19	1
1-68461	21	2.73	3	3	0.47	1.8	16.1	0.27	13	2
1-68462	21	2.77	2	2	0.52	1.0	11.0	0.29	11	2
1-68463	18	1.95	2	1	0.40	0.8	5.2	0.21	9	1
1-68464	16	2.17	2	1	0.43	<0.2	5.8	0.19	3	1
1-68465	17	2.08	2	2	0.44	<0.2	9.7	0.21	3	2
1-68466	2	<0.05	<1	<1	<0.05	<0.2	0.1	<0.05	<2	<1
1-68467	17	3.15	2	4	0.62	0.9	20.7	0.34	7	3
1-68468	5	0.50	1	<1	0.11	53.3	1.7	<0.05	42	<1
1-68469	18	2.82	2	3	0.43	3.2	19.4	0.30	19	3
1-68470	16	2.35	2	3	0.39	10.9	15.9	0.29	13	2
1-68471	9	1.55	2	<1	0.38	16.9	2.3	0.20	119	<1
1-68472	11	2.53	<1	<1	0.64	28.0	1.9	0.09	37	<1
1-68473	23	2.10	2	2	0.50	13.3	9.4	0.29	27	2
1-68474	23	1.42	5	<1	0.33	7.0	7.2	0.16	40	<1
1-68475	16	1.66	1	2	0.33	40.0	6.7	0.20	93	1
1-68476	22	2.76	2	3	0.55	0.4	13.1	0.27	4	3
1-68477	25	3.32	2	4	0.66	0.3	17.6	0.33	9	2
1-68478	18	2.16	2	2	0.38	2.9	9.8	0.22	13	2
1-68479	28	3.41	2	4	0.72	0.3	18.6	0.37	6	3
1-68480	21	2.68	2	3	0.50	0.7	14.0	0.27	24	2
1-68481	4	0.06	<1	<1	<0.05	<0.2	0.2	<0.05	2	<1
1-68482	28	4.18	2	4	0.84	<0.2	21.8	0.47	7	4
1-68483	23	2.67	2	3	0.56	0.8	11.1	0.37	126	3
1-68484	12	2.54	1	<1	0.59	16.0	4.2	0.12	397	<1
1-68485	11	0.96	1	<1	0.26	32.5	1.6	0.09	312	<1
1-68486	12	1.33	2	<1	0.32	33.6	3.2	0.12	105	<1
1-68487	26	2.80	2	3	0.60	4.2	12.8	0.28	33	2
1-68488	18	1.40	1	2	0.28	36.4	6.1	0.18	76	1
1-68489	26	2.95	2	3	0.60	0.7	13.8	0.29	11	3
1-68490	20	2.01	1	2	0.44	17.0	8.2	0.24	22	2

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Element	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68417	11.2	>10000	2.67	93.5	32.8	2.4	<1	<0.5	0.32	1.4
1-68418	0.2	369	<0.05	0.9	0.5	<0.1	<1	<0.5	<0.05	<0.1
1-68419	10.3	69	2.63	57.0	1.0	2.2	<1	<0.5	0.34	2.0
1-68420	14.9	146	3.73	113	4.0	3.1	<1	<0.5	0.43	2.7
1-68421	14.3	330	3.43	171	9.8	2.9	<1	<0.5	0.42	2.6
1-68422	15.3	104	3.71	140	6.3	3.0	<1	<0.5	0.46	2.8
1-68423	15.2	903	3.96	103	6.6	3.1	<1	<0.5	0.41	2.7
1-68424	6.2	870	1.51	84.0	3.9	1.3	<1	<0.5	0.18	0.9
1-68425	7.1	>10000	1.75	74.0	413	1.6	1	<0.5	0.27	0.9
1-68426	4.4	>10000	1.00	44.8	92.0	1.3	<1	<0.5	0.41	0.5
1-68427	16.9	1430	4.12	163	4.7	3.5	2	<0.5	0.48	3.1
1-68428	12.5	606	2.90	160	2.6	2.6	3	<0.5	0.39	2.4
1-68429	10.3	1060	2.53	129	3.4	2.1	2	<0.5	0.34	1.8
1-68430	5.1	2260	1.15	76.8	8.1	1.0	1	<0.5	0.17	1.0
1-68431	16.9	544	4.18	114	2.0	3.5	1	<0.5	0.47	2.9
1-68432	6.8	>10000	1.81	16.4	182	1.5	147	<0.5	0.23	1.2
1-68433	16.5	348	4.29	123	5.2	3.0	2	<0.5	0.39	3.0
1-68434	15.2	272	3.82	112	4.1	3.2	<1	<0.5	0.45	2.9
1-68435	19.4	416	4.79	117	3.1	3.6	<1	<0.5	0.54	3.5
1-68436	17.2	866	4.26	55.4	1.7	3.6	<1	<0.5	0.52	3.4
1-68437	4.1	4070	0.96	66.1	4.4	0.9	<1	<0.5	0.18	0.7
1-68438	20.2	629	4.94	67.9	7.0	4.1	1	<0.5	0.56	3.6
1-68439	15.9	3890	3.77	105	8.5	3.3	2	<0.5	0.45	2.6
1-68440	15.5	214	3.97	55.3	1.5	3.4	<1	<0.5	0.47	2.8
1-68441	10.0	6040	2.50	162	29.4	2.0	<1	<0.5	0.42	1.7
1-68442	16.7	1210	4.29	194	4.9	3.5	<1	<0.5	0.49	3.2
1-68443	2.1	8500	0.46	8.5	18.5	0.5	<1	<0.5	0.08	<0.1
1-68444	0.2	80	<0.05	0.7	0.4	<0.1	<1	<0.5	<0.05	<0.1
1-68445	20.5	902	4.97	121	2.3	4.2	1	<0.5	0.61	3.6
1-68446	11.0	663	2.81	144	8.8	2.2	<1	<0.5	0.36	1.5
1-68447	4.7	>10000	1.14	56.7	15.6	1.1	<1	<0.5	0.20	0.5
1-68448	15.6	752	3.92	124	3.8	3.1	<1	<0.5	0.38	2.6
1-68449	6.9	479	1.82	115	11.0	1.5	2	<0.5	0.21	1.7
1-68450	16.6	1270	4.21	164	3.0	3.1	<1	<0.5	0.38	3.1
1-68451	1.6	>10000	0.41	17.5	115	0.5	<1	<0.5	0.22	<0.1
1-68452	10.1	3490	2.58	149	13.7	1.8	<1	<0.5	0.28	1.8
1-68453	6.2	>10000	1.67	16.8	142	1.4	114	<0.5	0.25	1.1
1-68454	3.6	>10000	0.82	54.6	52.0	0.9	1	<0.5	0.21	0.2
1-68455	3.6	>10000	0.89	44.7	43.1	0.9	<1	<0.5	0.22	0.2
1-68456	3.1	830	0.69	47.1	5.9	0.6	<1	<0.5	0.11	0.2
1-68457	18.0	978	4.48	162	2.6	3.7	<1	<0.5	0.49	2.8
1-68458	19.3	549	4.60	160	3.1	3.9	<1	<0.5	0.54	3.0
1-68459	8.4	6300	2.01	135	5.6	1.7	2	<0.5	0.26	2.0

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Element	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68460	7.1	7350	1.78	80.2	6.2	1.3	2	<0.5	0.18	1.4
1-68461	17.1	863	4.27	199	18.0	3.1	1	<0.5	0.36	2.7
1-68462	13.3	1630	3.33	221	10.7	2.9	<1	<0.5	0.41	2.0
1-68463	7.4	1600	1.75	124	15.5	1.8	<1	<0.5	0.32	0.7
1-68464	8.1	138	1.91	138	11.8	2.1	<1	<0.5	0.32	0.9
1-68465	11.5	39	2.79	84.4	11.0	2.3	<1	<0.5	0.35	1.5
1-68466	0.1	19	<0.05	0.8	0.4	<0.1	<1	<0.5	<0.05	<0.1
1-68467	21.1	1570	5.40	54.9	2.4	3.9	<1	<0.5	0.50	3.6
1-68468	2.2	>10000	0.50	14.6	20.1	0.5	<1	<0.5	0.09	<0.1
1-68469	20.0	2210	4.97	174	10.9	3.7	1	<0.5	0.37	2.7
1-68470	16.3	>10000	4.13	108	55.0	3.0	<1	<0.5	0.36	2.1
1-68471	2.8	>10000	0.65	27.4	152	0.9	<1	<0.5	0.31	0.3
1-68472	2.7	>10000	0.60	21.8	388	1.2	<1	<0.5	0.63	0.3
1-68473	10.7	2360	2.58	45.3	9.9	2.3	1	<0.5	0.34	2.1
1-68474	6.4	>10000	1.72	15.9	215	1.4	159	<0.5	0.25	1.1
1-68475	8.1	7500	1.97	86.6	9.4	1.6	2	<0.5	0.26	1.5
1-68476	15.3	965	3.68	22.1	3.8	3.1	<1	<0.5	0.45	2.9
1-68477	19.4	614	4.86	237	4.4	3.7	<1	<0.5	0.53	3.5
1-68478	10.7	>10000	2.70	153	58.2	2.3	1	<0.5	0.32	1.7
1-68479	21.4	663	5.20	256	6.2	4.0	1	<0.5	0.53	4.0
1-68480	15.3	971	3.90	191	12.0	3.2	<1	<0.5	0.44	2.7
1-68481	0.3	39	0.06	2.5	0.4	<0.1	<1	<0.5	<0.05	<0.1
1-68482	23.2	345	5.70	279	4.4	4.4	<1	<0.5	0.62	4.5
1-68483	15.3	1540	3.62	273	8.1	3.2	2	<0.5	0.41	3.6
1-68484	5.3	>10000	1.19	55.0	62.8	1.6	<1	<0.5	0.52	0.6
1-68485	2.0	>10000	0.46	47.1	513	0.7	2	<0.5	0.22	0.4
1-68486	3.7	>10000	0.87	56.5	289	0.9	2	<0.5	0.28	0.5
1-68487	14.9	1200	3.73	166	7.0	3.1	2	<0.5	0.47	2.7
1-68488	7.4	4820	1.87	86.2	6.7	1.4	3	<0.5	0.19	1.5
1-68489	16.1	508	3.97	157	2.8	3.4	2	<0.5	0.46	3.2
1-68490	10.0	1450	2.55	164	3.1	2.1	2	<0.5	0.33	2.3

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Element	TI	Tm	U	W	Y	Yb	Zr	Cu	Pb	Zn
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICP90Q	ICP90Q	ICP90Q
Det.Lim.	0.5	0.05	0.05	1	0.5	0.1	0.5	0.01	0.01	0.01
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
1-68417	1.6	0.16	0.73	3	9.4	1.0	54.8	N.A.	5.71	3.17
1-68418	<0.5	<0.05	1.57	<1	<0.5	<0.1	1.6	N.A.	N.A.	N.A.
1-68419	0.7	0.18	0.79	<1	9.9	1.2	72.4	N.A.	N.A.	N.A.
1-68420	1.6	0.23	1.30	3	13.4	1.4	94.3	N.A.	N.A.	N.A.
1-68421	2.4	0.23	1.24	5	13.7	1.4	91.4	N.A.	N.A.	N.A.
1-68422	1.9	0.24	1.06	3	13.8	1.5	87.1	N.A.	N.A.	N.A.
1-68423	1.5	0.23	1.24	3	13.4	1.4	93.3	N.A.	N.A.	N.A.
1-68424	0.8	0.09	0.55	3	5.5	0.5	32.3	N.A.	N.A.	N.A.
1-68425	1.2	0.09	0.49	5	7.5	0.6	35.2	N.A.	6.29	5.94
1-68426	<0.5	0.11	0.26	5	13.0	0.6	22.4	N.A.	6.95	N.A.
1-68427	2.0	0.26	0.94	7	15.1	1.6	114	N.A.	N.A.	N.A.
1-68428	2.0	0.23	0.95	7	13.8	1.4	84.6	N.A.	N.A.	N.A.
1-68429	1.6	0.19	0.64	9	10.8	1.1	68.3	N.A.	N.A.	N.A.
1-68430	1.3	0.10	0.47	7	6.2	0.7	43.4	N.A.	N.A.	4.01
1-68431	1.6	0.25	0.92	4	14.5	1.6	92.4	N.A.	N.A.	N.A.
1-68432	34.8	0.14	4.53	2	8.8	0.8	24.3	1.24	1.47	9.34
1-68433	2.1	0.23	1.43	2	12.4	1.4	120	N.A.	N.A.	N.A.
1-68434	1.5	0.26	1.95	4	15.3	1.6	103	N.A.	N.A.	N.A.
1-68435	1.3	0.30	1.83	6	18.4	1.9	123	N.A.	N.A.	N.A.
1-68436	0.7	0.29	1.40	5	16.5	1.8	125	N.A.	N.A.	N.A.
1-68437	1.1	0.09	0.32	4	6.2	0.5	32.5	N.A.	N.A.	14.2
1-68438	1.6	0.31	1.69	10	17.3	1.8	129	N.A.	N.A.	N.A.
1-68439	1.6	0.24	1.18	6	13.7	1.5	89.2	N.A.	N.A.	4.98
1-68440	0.7	0.26	1.07	2	15.7	1.6	88.0	N.A.	N.A.	N.A.
1-68441	1.6	0.16	1.06	5	12.5	1.0	56.2	N.A.	N.A.	2.11
1-68442	2.0	0.27	1.16	4	15.6	1.6	108	N.A.	N.A.	N.A.
1-68443	<0.5	<0.05	0.10	<1	3.2	0.2	7.9	N.A.	N.A.	19.1
1-68444	<0.5	<0.05	1.61	<1	<0.5	<0.1	1.5	N.A.	N.A.	N.A.
1-68445	1.7	0.33	1.75	4	19.2	1.9	122	N.A.	N.A.	1.36
1-68446	1.2	0.18	0.94	3	11.6	1.1	58.9	N.A.	N.A.	N.A.
1-68447	<0.5	0.09	0.31	5	6.1	0.5	22.4	N.A.	1.31	N.A.
1-68448	1.6	0.21	1.23	5	12.2	1.4	93.9	N.A.	N.A.	N.A.
1-68449	1.4	0.13	0.57	5	7.4	0.8	60.6	N.A.	N.A.	2.21
1-68450	2.3	0.23	1.32	6	12.6	1.4	111	N.A.	N.A.	N.A.
1-68451	<0.5	0.09	0.15	1	8.2	0.4	9.3	1.35	4.30	12.7
1-68452	1.6	0.16	1.05	5	9.3	1.0	62.8	N.A.	N.A.	N.A.
1-68453	32.6	0.11	4.19	1	8.2	0.8	24.2	1.27	1.44	9.69
1-68454	0.9	0.09	0.29	4	7.3	0.5	16.5	N.A.	4.81	7.37
1-68455	0.5	0.09	0.24	3	7.2	0.5	17.2	N.A.	3.67	7.18
1-68456	0.8	0.06	0.20	5	3.5	0.3	16.4	N.A.	N.A.	N.A.
1-68457	2.3	0.30	1.21	3	17.2	1.8	113	N.A.	N.A.	N.A.
1-68458	2.2	0.30	1.37	7	17.8	1.9	136	N.A.	N.A.	N.A.
1-68459	2.0	0.17	0.78	9	9.5	1.1	86.5	N.A.	N.A.	14.8

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Element Method Det.Lim. Units	Ti ICM90A 0.5 ppm	Tm ICM90A 0.05 ppm	U ICM90A 0.05 ppm	W ICM90A 1 ppm	Y ICM90A 0.5 ppm	Yb ICM90A 0.1 ppm	Zr ICM90A 0.5 ppm	Cu ICP90Q 0.01 %	Pb ICP90Q 0.01 %	Zn ICP90Q 0.01 %
1-68460	1.2	0.11	0.59	8	7.0	0.7	62.2	N.A.	N.A.	15.3
1-68461	3.2	0.20	1.11	12	12.1	1.3	105	N.A.	N.A.	N.A.
1-68462	3.6	0.22	0.86	8	13.3	1.4	90.2	N.A.	N.A.	N.A.
1-68463	1.9	0.16	0.34	15	9.9	1.1	50.5	N.A.	N.A.	N.A.
1-68464	2.2	0.16	0.57	9	10.4	1.0	54.8	N.A.	N.A.	N.A.
1-68465	1.2	0.18	0.83	7	10.8	1.1	70.3	N.A.	N.A.	N.A.
1-68466	<0.5	<0.05	1.68	<1	<0.5	<0.1	1.6	N.A.	N.A.	N.A.
1-68467	0.9	0.29	1.81	6	16.0	2.0	166	N.A.	N.A.	N.A.
1-68468	0.7	<0.05	0.13	<1	3.0	0.2	9.6	1.98	3.42	24.4
1-68469	2.7	0.22	1.42	6	12.1	1.3	123	N.A.	N.A.	N.A.
1-68470	1.9	0.15	1.10	4	10.7	1.0	95.6	N.A.	1.53	6.12
1-68471	0.6	0.09	0.22	3	10.0	0.5	15.1	N.A.	4.01	8.13
1-68472	0.7	0.13	0.25	3	18.3	0.6	15.9	1.39	10.3	9.82
1-68473	0.7	0.20	1.33	8	12.9	1.3	80.4	N.A.	N.A.	6.72
1-68474	34.7	0.13	4.51	2	9.1	0.8	22.9	1.29	1.43	9.74
1-68475	1.4	0.13	0.78	7	8.9	0.9	59.0	N.A.	N.A.	16.2
1-68476	<0.5	0.24	1.41	4	14.1	1.5	116	N.A.	N.A.	N.A.
1-68477	3.7	0.32	1.65	5	17.4	1.9	132	N.A.	N.A.	N.A.
1-68478	2.2	0.16	0.98	7	10.7	1.0	71.7	N.A.	2.24	2.21
1-68479	3.7	0.33	1.98	12	18.5	1.9	152	N.A.	N.A.	N.A.
1-68480	3.1	0.21	1.62	10	14.1	1.4	99.2	N.A.	N.A.	N.A.
1-68481	<0.5	<0.05	1.55	<1	<0.5	<0.1	2.4	N.A.	N.A.	N.A.
1-68482	4.0	0.37	1.84	7	21.9	2.2	162	N.A.	N.A.	N.A.
1-68483	3.6	0.28	1.80	14	14.5	1.8	132	N.A.	N.A.	N.A.
1-68484	1.0	0.15	0.40	22	16.4	0.8	23.6	1.27	1.47	3.74
1-68485	0.8	0.07	0.25	6	7.1	0.4	21.0	N.A.	6.34	12.4
1-68486	0.8	0.10	0.33	7	9.2	0.5	26.9	N.A.	5.26	13.4
1-68487	2.1	0.24	1.34	14	15.0	1.6	101	N.A.	N.A.	1.77
1-68488	1.2	0.14	0.72	8	7.6	0.9	62.3	N.A.	N.A.	20.6
1-68489	2.2	0.26	1.39	4	16.3	1.7	120	N.A.	N.A.	N.A.
1-68490	2.3	0.21	0.91	7	11.3	1.2	87.0	N.A.	N.A.	10.2

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Element Method Det.Lim. Units	Ag FAG313 5 g/t
1-68417	N.A.
1-68418	N.A.
1-68419	N.A.
1-68420	N.A.
1-68421	N.A.
1-68422	N.A.
1-68423	N.A.
1-68424	N.A.
1-68425	N.A.
1-68426	N.A.
1-68427	N.A.
1-68428	N.A.
1-68429	N.A.
1-68430	N.A.
1-68431	N.A.
1-68432	N.A.
1-68433	N.A.
1-68434	N.A.
1-68435	N.A.
1-68436	N.A.
1-68437	N.A.
1-68438	N.A.
1-68439	N.A.
1-68440	N.A.
1-68441	N.A.
1-68442	N.A.
1-68443	N.A.
1-68444	N.A.
1-68445	N.A.
1-68446	N.A.
1-68447	N.A.
1-68448	N.A.
1-68449	N.A.
1-68450	N.A.
1-68451	N.A.
1-68452	N.A.
1-68453	N.A.
1-68454	N.A.
1-68455	N.A.
1-68456	N.A.
1-68457	N.A.
1-68458	N.A.
1-68459	N.A.

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Element Method Det.Lim. Units	Ag FAG313 5 g/t
1-68460	N.A.
1-68461	N.A.
1-68462	N.A.
1-68463	N.A.
1-68464	N.A.
1-68465	N.A.
1-68466	N.A.
1-68467	N.A.
1-68468	N.A.
1-68469	N.A.
1-68470	N.A.
1-68471	N.A.
1-68472	N.A.
1-68473	N.A.
1-68474	N.A.
1-68475	N.A.
1-68476	N.A.
1-68477	N.A.
1-68478	N.A.
1-68479	N.A.
1-68480	N.A.
1-68481	N.A.
1-68482	N.A.
1-68483	N.A.
1-68484	N.A.
1-68485	1180
1-68486	N.A.
1-68487	N.A.
1-68488	N.A.
1-68489	N.A.
1-68490	N.A.

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## Certificate of Analysis

Work Order: TK120291

To: Gary Thompson  
COD SGS ASSAYERS  
C/O F406501 SGS ASSAYERS  
8282 SHERBROOKE STREET  
VANCOUVER BC V5X 4R6


Date: Nov 09, 2012

P.O. No. : Lowprofile Ventures  
Project No. : -  
No. Of Samples : 54  
Date Submitted : Oct 01, 2012  
Report Comprises : Pages 1 to 13  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files - upstairs:

Certified By :



Satpaul Gill  
QAQC Chemist

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

**Report Footer:**

L.N.R. = Listed not received  
n.a. = Not applicable

I.S. = Insufficient Sample  
-- = No result

\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element	WtKg	Au	Al	Ba	Be	Ca	Cr	Cu	Fe	K
Method	WGH79	FAA313	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.001	5	0.01	0.5	5	0.1	10	5	0.01	0.1
Units	kg	ppb	%	ppm	ppm	%	ppm	ppm	%	%
1-68491	3.960	8	9.37	165	<5	0.7	40	334	5.85	4.0
1-68492	1.250	325	7.94	226	<5	0.5	30	7940	8.38	3.4
1-68493	3.480	5	7.85	246	<5	0.7	20	172	6.25	3.0
1-68494	3.210	1500	3.41	108	<5	0.7	10	>10000	8.56	1.6
1-68495	2.205	72	9.65	306	<5	1.6	40	550	3.81	4.8
1-68496	0.065	2090	1.32	393	<5	1.7	30	>10000	15.5	0.4
1-68497	2.785	177	5.77	176	<5	2.7	<10	248	2.97	2.6
1-68498	2.470	90	5.98	194	<5	1.2	<10	756	2.59	2.8
1-68499	1.895	1830	1.17	146	<5	1.2	<10	>10000	7.54	0.5
1-68500	1.645	40	8.59	285	<5	0.9	40	805	8.09	3.1
1-68601	1.490	11	8.22	207	<5	1.7	<10	18	3.66	2.2
1-68602	1.285	65	7.03	314	<5	1.2	<10	288	4.12	3.2
1-68603	2.415	7	6.97	294	<5	1.2	<10	21	3.44	3.2
1-68604	0.925	1900	5.98	151	<5	1.4	<10	321	3.46	2.7
1-68605	0.595	<5	0.04	10.5	<5	>35.0	<10	6	0.04	<0.1
1-68606	2.030	<5	8.47	187	<5	1.0	<10	8	3.10	2.7
1-68607	3.015	1700	4.73	140	<5	1.1	10	5590	9.36	2.3
1-68608	3.070	786	4.97	144	<5	1.3	20	955	4.21	2.4
1-68609	1.350	1070	4.81	129	<5	1.0	20	1390	4.96	2.3
1-68610	1.110	2610	0.94	1110	<5	1.4	10	3100	6.61	0.5
1-68611	2.125	140	9.99	220	<5	0.7	30	157	8.28	3.7
1-68612	2.030	<5	10.5	1440	<5	0.9	30	23	7.54	4.9
1-68613	0.845	74	1.14	68.2	<5	2.3	10	1890	5.28	0.5
1-68614	2.620	6	9.37	548	<5	2.9	30	32	5.66	3.7
1-68615	1.710	<5	8.26	193	<5	1.7	40	48	3.22	2.6
1-68616	1.470	29	6.45	240	<5	0.9	20	150	4.58	2.1
1-68617	1.415	975	2.95	219	<5	1.8	10	2730	5.07	1.1
1-68618	3.035	<5	10.3	805	<5	1.9	30	59	5.20	2.2
1-68619	2.240	16	10.6	788	<5	1.7	30	26	5.44	3.9
1-68620	1.805	292	5.59	414	<5	1.3	20	641	4.21	2.7
1-68621	0.615	<5	0.05	8.2	<5	>35.0	<10	5	0.04	<0.1
1-68622	2.485	11	9.45	149	<5	3.2	30	63	4.96	3.3
1-68623	2.260	133	7.98	178	<5	2.8	20	173	3.38	3.8
1-68624	1.690	380	4.81	538	<5	2.8	20	358	3.48	2.3
1-68625	1.440	36	8.28	846	<5	0.5	30	57	4.97	3.7
1-68626	0.960	1390	1.00	72.7	<5	1.2	20	1500	4.15	0.5
1-68627	4.710	67	7.92	357	<5	0.6	20	235	6.28	2.8
1-68628	2.720	11	9.40	321	<5	3.1	30	14	4.24	2.7
1-68629	1.755	420	4.43	1820	<5	4.5	10	288	3.79	1.9
1-68630	3.530	25	5.93	198	<5	1.8	20	51	3.37	3.0
1-68631	3.165	19	7.54	310	<5	1.6	30	67	4.32	3.5
1-68632	0.065	2060	1.27	366	<5	1.8	30	>10000	15.9	0.4
1-68633	5.120	95	6.86	227	<5	1.0	20	1310	4.16	3.1

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Element	WtKg	Au	Al	Ba	Be	Ca	Cr	Cu	Fe	K
Method	WGH79	FAA313	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.001	5	0.01	0.5	5	0.1	10	5	0.01	0.1
Units	kg	ppb	%	ppm	ppm	%	ppm	ppm	%	%
1-68634	3.160	182	5.04	142	<5	1.7	10	3290	5.44	2.4
1-68635	2.670	22	7.61	211	<5	1.2	20	91	5.17	3.3
1-68636	2.830	148	1.51	37.6	<5	1.5	<10	3560	5.96	0.7
1-68637	2.695	1750	0.65	150	<5	1.2	<10	7920	9.37	0.3
1-68638	2.135	20	5.29	151	<5	0.3	20	1340	6.09	2.1
1-68639	2.295	8	8.15	229	<5	0.6	20	47	4.92	3.7
1-68640	2.205	1510	4.80	144	<5	1.5	20	3110	7.32	2.2
1-68641	3.330	256	7.56	177	<5	1.6	20	612	4.17	3.4
1-68642	2.025	103	7.51	160	<5	1.3	20	363	4.18	3.2
1-68643	4.250	296	7.69	238	<5	1.9	20	152	4.19	3.1
1-68644	2.880	36	8.23	162	<5	1.6	20	25	4.02	3.1

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Element Method Det.Lim. Units	Li ICM90A 10 ppm	Mg ICM90A 0.01 %	Mn ICM90A 10 ppm	Ni ICM90A 5 ppm	P ICM90A 0.01 %	Sc ICM90A 5 ppm	Sr ICM90A 0.1 ppm	Ti ICM90A 0.01 %	V ICM90A 5 ppm	Zn ICM90A 5 ppm
1-68491	30	1.03	36000	30	0.09	16	30.6	0.44	142	>10000
1-68492	50	0.85	20800	49	0.07	13	33.6	0.32	114	>10000
1-68493	70	0.85	9090	20	0.09	10	76.2	0.29	104	9400
1-68494	<10	0.37	60100	23	0.03	<5	23.2	0.14	59	>10000
1-68495	<10	0.74	20700	33	0.08	14	49.5	0.37	122	1800
1-68496	<10	0.91	430	70	0.04	<5	47.5	0.04	65	>10000
1-68497	20	0.87	13600	18	0.07	<5	453	0.16	25	4340
1-68498	<10	0.47	23300	12	0.06	<5	199	0.16	25	2820
1-68499	<10	0.38	43200	15	<0.01	<5	13.5	0.04	25	>10000
1-68500	120	1.45	12300	35	0.08	15	37.1	0.41	130	9860
1-68601	70	0.73	4810	10	0.08	<5	94.6	0.21	22	1120
1-68602	10	0.60	5440	12	0.06	<5	63.1	0.18	22	>10000
1-68603	10	0.57	16400	11	0.07	<5	54.5	0.19	18	2210
1-68604	<10	0.48	29000	11	0.06	<5	178	0.16	18	>10000
1-68605	<10	1.74	60	<5	<0.01	<5	5250	<0.01	<5	41
1-68606	20	0.42	20000	8	0.09	<5	114	0.22	24	489
1-68607	<10	0.42	51800	25	0.05	6	42.1	0.19	65	4050
1-68608	<10	0.37	33900	20	0.06	6	219	0.18	75	3650
1-68609	<10	0.41	41500	19	0.05	6	83.2	0.18	73	3610
1-68610	10	0.49	65300	19	<0.01	<5	81.3	0.03	23	5420
1-68611	110	0.87	14200	31	0.11	12	72.2	0.39	115	2820
1-68612	60	1.05	6420	35	0.12	13	164	0.40	121	876
1-68613	<10	0.58	2540	24	<0.01	<5	52.6	0.03	25	>10000
1-68614	60	1.13	4630	39	0.10	11	160	0.36	114	2840
1-68615	70	0.77	4920	30	0.11	10	490	0.33	103	332
1-68616	60	0.64	4790	26	0.07	8	166	0.25	84	3010
1-68617	40	0.58	5870	26	0.03	<5	349	0.11	53	>10000
1-68618	110	1.35	6610	30	0.12	13	359	0.44	129	458
1-68619	60	1.39	9330	31	0.11	13	115	0.43	135	1150
1-68620	70	0.70	13800	19	0.07	6	48.8	0.23	78	6860
1-68621	<10	2.03	50	<5	<0.01	<5	4050	<0.01	<5	10
1-68622	60	1.37	18100	35	0.12	12	584	0.38	118	2310
1-68623	20	0.92	22100	25	0.09	10	204	0.32	106	3310
1-68624	30	0.67	37700	17	0.06	6	379	0.18	63	528
1-68625	40	0.65	6090	30	0.10	11	39.8	0.33	106	5050
1-68626	40	0.39	11000	19	<0.01	<5	75.5	0.03	20	>10000
1-68627	80	0.80	6230	22	0.09	10	110	0.34	102	>10000
1-68628	90	1.43	6440	22	0.11	11	310	0.37	100	977
1-68629	50	1.29	10600	20	0.09	<5	1310	0.19	57	4490
1-68630	40	0.78	6180	18	0.07	7	281	0.23	82	6070
1-68631	30	0.87	8800	28	0.09	10	206	0.31	97	7080
1-68632	<10	0.89	440	74	0.04	<5	44.9	0.04	67	>10000
1-68633	30	0.55	25700	19	0.08	8	611	0.27	83	>10000

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Element	Li	Mg	Mn	Ni	P	Sc	Sr	Ti	V	Zn
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	10	0.01	10	5	0.01	5	0.1	0.01	5	5
Units	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
1-68634	20	0.71	53100	16	0.06	6	584	0.20	66	7210
1-68635	70	0.86	7400	23	0.09	10	145	0.28	93	5150
1-68636	20	0.44	43400	11	0.02	<5	29.5	0.06	27	>10000
1-68637	10	0.41	70200	14	<0.01	<5	26.0	0.02	18	>10000
1-68638	40	0.43	14900	23	0.06	6	34.7	0.19	71	>10000
1-68639	20	0.56	29400	26	0.09	10	44.0	0.31	106	2090
1-68640	<10	0.60	48500	33	0.05	6	189	0.18	67	9330
1-68641	10	0.63	31800	22	0.08	9	455	0.28	96	1390
1-68642	20	0.58	33800	22	0.08	9	525	0.28	95	1040
1-68643	40	0.81	8210	22	0.09	9	172	0.29	96	5890
1-68644	60	0.79	16000	22	0.09	10	289	0.31	100	520

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Element Method Det.Lim. Units	Ag ICM90A 1 ppm	As ICM90A 5 ppm	Bi ICM90A 0.1 ppm	Cd ICM90A 0.2 ppm	Ce ICM90A 0.1 ppm	Co ICM90A 0.5 ppm	Cs ICM90A 0.1 ppm	Dy ICM90A 0.05 ppm	Er ICM90A 0.05 ppm	Eu ICM90A 0.05 ppm
1-68491	7	38	2.1	58.3	32.0	15.5	11.3	2.72	1.66	1.20
1-68492	71	304	10.2	227	20.5	22.8	7.0	2.22	1.43	0.60
1-68493	4	20	3.8	37.8	27.3	13.6	7.2	1.94	1.19	0.68
1-68494	310	1100	137	457	11.1	30.6	4.8	2.44	1.07	0.62
1-68495	9	110	2.3	10.4	34.7	15.9	18.0	3.08	2.01	1.18
1-68496	112	1070	55.7	502	12.2	30.4	0.8	1.47	0.90	0.68
1-68497	9	609	5.9	22.3	33.1	7.2	19.6	2.28	1.33	0.82
1-68498	10	341	0.7	10.1	25.1	2.9	15.4	1.81	1.07	0.71
1-68499	337	2100	190	1270	6.0	38.9	2.0	1.74	0.62	0.40
1-68500	16	79	18.7	55.1	29.7	16.6	12.5	2.49	1.54	0.80
1-68601	1	30	0.9	4.9	36.3	5.8	5.7	2.52	1.55	0.99
1-68602	6	65	2.1	53.6	33.0	8.8	5.8	2.26	1.44	0.88
1-68603	2	32	0.2	10.4	30.2	5.7	7.2	2.25	1.39	0.99
1-68604	18	4600	1.4	118	31.2	8.2	9.4	2.10	1.25	0.97
1-68605	<1	53	<0.1	1.3	0.5	0.6	0.2	0.06	<0.05	<0.05
1-68606	<1	84	<0.1	2.0	41.8	4.3	8.2	2.89	1.72	1.30
1-68607	48	1790	6.0	25.4	18.3	14.4	5.9	2.51	1.17	0.80
1-68608	13	2780	5.4	18.0	19.4	11.3	5.4	1.64	0.87	0.66
1-68609	15	3430	3.8	18.9	18.1	11.7	5.5	1.82	0.97	0.64
1-68610	50	14800	7.7	35.6	4.8	17.1	1.4	1.54	0.70	0.42
1-68611	3	727	2.8	9.5	31.2	21.7	10.0	2.47	1.55	0.84
1-68612	1	23	2.0	2.9	40.5	20.3	13.6	3.20	1.81	1.32
1-68613	13	52	2.4	411	2.6	50.4	1.8	0.42	0.23	0.10
1-68614	1	14	1.3	16.1	43.9	18.9	16.5	3.00	1.74	1.14
1-68615	<1	14	0.4	1.1	30.6	11.5	22.2	2.15	1.28	0.97
1-68616	3	168	2.7	12.8	25.1	11.4	7.3	1.68	1.09	0.63
1-68617	94	2200	110	213	13.1	49.1	13.9	0.99	0.55	0.41
1-68618	2	50	1.4	3.6	40.3	18.5	17.4	2.94	1.71	1.15
1-68619	<1	62	0.1	4.6	39.8	17.3	16.2	2.94	1.77	1.05
1-68620	30	168	11.3	26.2	20.2	7.2	6.4	1.43	0.88	0.53
1-68621	<1	<5	0.1	0.3	0.4	0.6	0.1	0.06	<0.05	<0.05
1-68622	1	54	<0.1	7.5	29.5	10.1	10.0	2.16	1.27	0.82
1-68623	5	449	0.7	13.5	27.8	8.2	12.0	2.15	1.34	1.07
1-68624	6	681	0.5	2.7	23.3	5.7	8.0	1.65	0.97	1.05
1-68625	4	79	2.2	20.8	35.2	11.5	16.8	2.41	1.51	0.97
1-68626	42	2180	65.4	295	5.8	21.6	1.8	0.45	0.20	0.24
1-68627	13	183	14.9	67.7	29.6	16.2	10.3	2.25	1.36	0.81
1-68628	1	23	0.4	3.3	28.6	10.5	19.2	2.29	1.19	0.88
1-68629	35	287	6.3	19.5	23.7	13.9	14.1	1.86	0.93	0.94
1-68630	6	44	5.5	23.2	21.0	9.4	12.2	1.48	0.85	0.63
1-68631	4	46	0.2	29.4	28.5	11.7	10.4	1.94	1.19	0.85
1-68632	108	1060	55.6	502	13.4	29.7	0.7	1.61	0.96	0.67
1-68633	43	152	14.3	121	28.4	14.8	20.3	2.52	1.24	0.95

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Element	Ag	As	Bi	Cd	Ce	Co	Cs	Dy	Er	Eu
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	5	0.1	0.2	0.1	0.5	0.1	0.05	0.05	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68634	56	71	15.3	37.6	22.9	13.5	14.4	2.30	1.28	0.95
1-68635	4	34	0.5	20.9	32.7	12.6	11.2	2.24	1.23	0.96
1-68636	54	172	43.1	331	8.5	57.9	1.8	1.16	0.49	0.46
1-68637	247	2180	128	630	4.6	42.7	1.0	2.52	0.93	0.52
1-68638	39	51	3.8	454	18.5	54.1	7.1	1.58	0.86	0.42
1-68639	3	27	0.7	9.9	34.7	11.3	12.0	2.47	1.37	1.09
1-68640	65	1990	13.1	45.0	22.0	14.4	8.1	2.29	1.20	0.92
1-68641	10	647	0.7	6.5	28.9	10.9	14.4	2.21	1.31	1.03
1-68642	10	224	0.3	4.9	32.2	10.8	13.2	2.18	1.30	1.16
1-68643	3	991	0.2	26.8	30.3	12.8	10.8	2.09	1.24	0.86
1-68644	<1	143	<0.1	2.1	33.4	12.3	12.5	2.39	1.49	1.12

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Element	Ga	Gd	Ge	Hf	Ho	In	La	Lu	Mo	Nb
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	0.05	1	1	0.05	0.2	0.1	0.05	2	1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68491	19	3.32	1	3	0.55	2.1	14.9	0.25	3	3
1-68492	17	2.45	1	2	0.51	5.8	9.4	0.22	6	2
1-68493	16	2.29	1	2	0.40	0.5	12.9	0.22	8	2
1-68494	9	2.12	1	1	0.45	25.9	5.5	0.14	24	1
1-68495	22	3.31	1	4	0.64	1.4	17.3	0.31	18	4
1-68496	17	1.39	4	<1	0.32	6.5	7.3	0.17	37	<1
1-68497	11	2.53	2	3	0.46	1.0	16.0	0.21	6	3
1-68498	11	1.90	2	2	0.38	1.0	12.3	0.21	2	2
1-68499	5	1.40	<1	<1	0.32	50.3	2.8	0.07	7	<1
1-68500	18	2.86	1	3	0.51	1.8	14.4	0.24	10	2
1-68601	15	2.69	1	4	0.52	<0.2	17.0	0.30	3	4
1-68602	14	2.35	1	3	0.48	1.1	16.2	0.26	6	4
1-68603	13	2.49	1	3	0.47	<0.2	13.7	0.26	4	3
1-68604	12	2.33	1	3	0.42	0.8	14.9	0.23	3	3
1-68605	<1	0.06	<1	<1	<0.05	<0.2	0.3	<0.05	<2	<1
1-68606	16	3.32	<1	4	0.60	<0.2	20.1	0.31	2	4
1-68607	12	2.26	<1	2	0.47	4.9	8.9	0.16	6	2
1-68608	12	2.02	1	2	0.35	2.0	9.8	0.14	11	2
1-68609	12	1.98	1	1	0.34	2.5	9.0	0.14	9	1
1-68610	6	1.34	1	<1	0.29	4.4	2.2	0.08	75	<1
1-68611	19	2.60	<1	3	0.50	0.4	13.8	0.26	19	3
1-68612	23	3.74	<1	4	0.63	<0.2	18.6	0.29	17	4
1-68613	3	0.43	<1	<1	0.09	15.0	1.2	<0.05	83	<1
1-68614	19	3.55	1	3	0.61	0.3	19.8	0.28	9	3
1-68615	16	2.79	2	3	0.44	<0.2	14.7	0.23	5	3
1-68616	13	2.11	2	2	0.36	<0.2	12.2	0.18	11	2
1-68617	7	1.28	2	<1	0.21	14.5	6.4	0.09	12	<1
1-68618	18	3.42	2	4	0.61	0.2	18.8	0.29	2	4
1-68619	25	3.02	2	4	0.62	<0.2	18.0	0.29	2	4
1-68620	13	1.70	<1	2	0.31	0.5	9.3	0.14	3	2
1-68621	<1	0.08	<1	<1	<0.05	<0.2	0.2	<0.05	<2	<1
1-68622	15	2.58	1	3	0.43	<0.2	13.7	0.23	<2	2
1-68623	16	2.51	1	2	0.46	0.5	13.4	0.21	2	2
1-68624	10	2.26	1	1	0.36	1.1	12.1	0.16	3	1
1-68625	17	3.06	1	3	0.50	<0.2	17.3	0.25	4	3
1-68626	2	0.55	1	<1	0.09	9.1	3.3	<0.05	38	<1
1-68627	17	2.62	1	3	0.48	1.2	13.8	0.24	6	3
1-68628	13	2.48	1	3	0.44	<0.2	13.0	0.21	2	3
1-68629	8	2.41	2	1	0.34	0.5	11.6	0.15	34	1
1-68630	11	1.74	1	2	0.30	0.3	10.4	0.16	7	2
1-68631	14	2.35	1	2	0.40	<0.2	13.8	0.21	8	2
1-68632	14	1.60	3	<1	0.34	6.3	7.6	0.17	37	<1
1-68633	16	2.81	2	3	0.48	5.6	13.6	0.23	14	3

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Element	Ga	Gd	Ge	Hf	Ho	In	La	Lu	Mo	Nb
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	0.05	1	1	0.05	0.2	0.1	0.05	2	1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68634	14	2.41	2	2	0.46	4.2	10.9	0.17	32	2
1-68635	17	2.74	1	3	0.47	<0.2	15.8	0.23	17	3
1-68636	7	1.27	<1	<1	0.20	17.0	4.0	0.08	99	<1
1-68637	8	1.98	<1	<1	0.44	31.3	2.1	0.07	22	<1
1-68638	15	1.72	1	2	0.31	19.2	8.6	0.16	15	2
1-68639	21	2.84	1	3	0.51	0.3	17.2	0.28	4	3
1-68640	15	2.32	1	2	0.43	3.2	10.8	0.19	5	2
1-68641	19	2.49	2	3	0.44	0.9	14.6	0.25	3	2
1-68642	19	2.67	2	3	0.43	0.7	16.0	0.25	2	2
1-68643	18	2.47	2	3	0.42	0.3	15.0	0.22	3	2
1-68644	19	2.74	2	3	0.48	<0.2	16.1	0.24	2	2

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Element Method Det.Lim. Units	Nd ICM90A 0.1 ppm	Pb ICM90A 5 ppm	Pr ICM90A 0.05 ppm	Rb ICM90A 0.2 ppm	Sb ICM90A 0.1 ppm	Sm ICM90A 0.1 ppm	Sn ICM90A 1 ppm	Ta ICM90A 0.5 ppm	Tb ICM90A 0.05 ppm	Th ICM90A 0.1 ppm
1-68491	17.5	2130	4.18	228	6.8	3.7	1	<0.5	0.47	3.2
1-68492	11.6	3550	2.72	206	12.2	2.5	3	<0.5	0.39	2.4
1-68493	14.5	1670	3.54	175	3.3	2.6	2	<0.5	0.35	2.6
1-68494	6.8	>10000	1.58	87.8	178	1.6	1	<0.5	0.40	1.2
1-68495	18.7	1180	4.69	257	15.9	3.9	<1	<0.5	0.49	3.6
1-68496	6.5	>10000	1.70	16.8	169	1.4	125	<0.5	0.23	1.2
1-68497	17.0	1070	4.24	157	11.5	3.1	2	<0.5	0.38	2.4
1-68498	12.8	888	3.32	147	8.9	2.4	<1	<0.5	0.29	2.1
1-68499	3.6	>10000	0.82	29.7	119	0.9	2	<0.5	0.30	0.4
1-68500	16.0	1840	3.92	179	4.3	3.2	2	<0.5	0.43	2.5
1-68601	18.6	635	4.67	138	2.3	3.3	1	<0.5	0.43	3.4
1-68602	16.5	1480	4.19	205	7.3	3.1	1	<0.5	0.39	3.0
1-68603	15.5	1200	3.89	180	7.8	2.8	<1	<0.5	0.38	3.0
1-68604	15.7	6730	3.96	133	32.6	3.0	<1	<0.5	0.35	2.6
1-68605	0.3	105	0.08	2.0	0.5	<0.1	<1	<0.5	<0.05	<0.1
1-68606	21.0	341	5.38	145	4.1	3.8	<1	<0.5	0.48	3.5
1-68607	9.8	1740	2.39	120	35.1	2.2	<1	<0.5	0.41	1.8
1-68608	10.5	935	2.63	133	19.7	2.1	<1	<0.5	0.29	1.8
1-68609	9.9	894	2.44	132	21.2	2.1	<1	<0.5	0.34	1.6
1-68610	2.9	5680	0.67	27.7	64.2	1.0	<1	<0.5	0.25	0.3
1-68611	15.8	410	3.85	195	6.8	3.2	1	<0.5	0.42	2.9
1-68612	20.8	170	5.04	242	2.5	4.3	2	<0.5	0.50	3.8
1-68613	1.5	232	0.34	33.5	4.2	0.4	<1	<0.5	0.08	0.4
1-68614	21.8	344	5.58	213	3.0	3.9	1	<0.5	0.50	3.5
1-68615	16.3	111	4.00	153	3.2	3.2	<1	<0.5	0.40	3.0
1-68616	12.9	1080	3.18	130	4.8	2.3	<1	<0.5	0.29	2.4
1-68617	7.1	>10000	1.69	67.2	23.9	1.3	<1	<0.5	0.18	1.0
1-68618	20.4	323	5.12	147	3.7	3.8	<1	<0.5	0.49	3.9
1-68619	20.7	770	5.11	263	4.6	4.0	<1	<0.5	0.48	3.9
1-68620	10.0	4260	2.60	162	14.6	2.0	<1	<0.5	0.28	1.7
1-68621	0.2	59	0.06	2.4	0.2	<0.1	<1	<0.5	<0.05	<0.1
1-68622	15.3	1150	3.82	180	5.8	3.1	<1	<0.5	0.38	2.8
1-68623	15.1	1350	3.63	218	17.2	2.9	<1	<0.5	0.36	2.6
1-68624	12.8	1300	3.13	126	17.1	2.4	<1	<0.5	0.33	1.7
1-68625	18.9	2180	4.53	190	5.3	3.5	<1	<0.5	0.43	3.2
1-68626	3.0	5720	0.80	26.1	27.6	0.6	<1	<0.5	0.08	0.4
1-68627	15.7	4870	3.82	152	6.7	3.0	1	<0.5	0.38	3.1
1-68628	14.0	525	3.60	140	3.5	2.8	<1	<0.5	0.37	2.8
1-68629	12.9	3340	3.08	106	12.5	2.6	<1	<0.5	0.32	1.6
1-68630	10.9	2220	2.74	171	5.7	2.2	<1	<0.5	0.26	2.0
1-68631	14.7	3200	3.63	202	5.4	2.9	<1	<0.5	0.38	2.7
1-68632	6.9	>10000	1.80	15.1	154	1.6	115	<0.5	0.26	1.1
1-68633	14.8	>10000	3.74	194	19.6	3.0	<1	<0.5	0.42	2.6

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Element	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68634	12.3	>10000	2.99	138	16.1	2.7	<1	<0.5	0.44	2.0
1-68635	16.6	2920	4.14	205	5.2	3.3	1	<0.5	0.41	2.9
1-68636	4.9	4120	1.12	43.1	11.8	1.2	<1	<0.5	0.18	0.5
1-68637	3.3	>10000	0.68	17.7	95.1	1.1	<1	<0.5	0.45	0.2
1-68638	9.9	2160	2.51	130	8.1	2.1	2	<0.5	0.26	2.0
1-68639	17.6	1240	4.52	219	4.9	3.4	<1	<0.5	0.44	3.0
1-68640	11.8	>10000	2.92	121	51.2	2.5	<1	<0.5	0.39	1.8
1-68641	15.0	549	3.74	193	17.3	2.9	<1	<0.5	0.39	2.7
1-68642	16.7	587	4.30	175	16.8	3.4	<1	<0.5	0.37	2.7
1-68643	15.6	1520	3.97	193	15.5	3.1	<1	<0.5	0.35	2.7
1-68644	17.3	290	4.29	199	6.6	3.2	<1	<0.5	0.41	3.0

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Element Method Det.Lim. Units	Ti ICM90A 0.5 ppm	Tm ICM90A 0.05 ppm	U ICM90A 0.05 ppm	W ICM90A 1 ppm	Y ICM90A 0.5 ppm	Yb ICM90A 0.1 ppm	Zr ICM90A 0.5 ppm	Cu ICP90Q 0.01 %	Pb ICP90Q 0.01 %	Zn ICP90Q 0.01 %
1-68491	3.2	0.24	1.27	6	14.8	1.6	120	N.A.	N.A.	1.29
1-68492	2.3	0.21	1.09	9	12.9	1.3	88.8	N.A.	N.A.	5.54
1-68493	2.3	0.19	1.41	10	10.0	1.2	93.0	N.A.	N.A.	N.A.
1-68494	1.1	0.14	0.62	8	12.5	0.9	43.3	1.30	7.00	10.9
1-68495	4.0	0.29	1.73	11	17.6	1.9	137	N.A.	N.A.	N.A.
1-68496	32.4	0.12	3.98	2	8.8	0.8	31.8	1.29	1.41	9.75
1-68497	2.2	0.18	1.17	3	12.3	1.3	104	N.A.	N.A.	N.A.
1-68498	1.6	0.17	1.04	2	10.1	1.1	103	N.A.	N.A.	N.A.
1-68499	<0.5	0.08	0.17	3	8.7	0.4	15.6	1.65	6.38	27.7
1-68500	2.3	0.21	0.94	9	13.9	1.4	98.8	N.A.	N.A.	N.A.
1-68601	2.0	0.26	1.23	3	14.5	1.7	160	N.A.	N.A.	N.A.
1-68602	2.9	0.21	1.19	4	12.4	1.6	139	N.A.	N.A.	1.15
1-68603	2.7	0.22	1.02	5	12.6	1.5	143	N.A.	N.A.	N.A.
1-68604	2.3	0.20	0.80	6	11.7	1.3	120	N.A.	N.A.	2.15
1-68605	<0.5	<0.05	1.56	<1	<0.5	<0.1	3.2	N.A.	N.A.	N.A.
1-68606	2.0	0.28	1.48	3	16.3	1.8	166	N.A.	N.A.	N.A.
1-68607	1.8	0.16	0.84	6	12.6	1.0	67.8	N.A.	N.A.	N.A.
1-68608	1.4	0.14	0.93	6	8.7	0.8	63.6	N.A.	N.A.	N.A.
1-68609	1.8	0.13	0.92	6	10.0	0.9	61.5	N.A.	N.A.	N.A.
1-68610	<0.5	0.09	0.16	2	8.3	0.5	16.2	N.A.	N.A.	N.A.
1-68611	2.6	0.22	0.82	9	13.1	1.5	116	N.A.	N.A.	N.A.
1-68612	3.7	0.27	0.94	5	16.4	1.7	144	N.A.	N.A.	N.A.
1-68613	<0.5	<0.05	0.11	1	2.7	0.2	13.4	N.A.	N.A.	10.1
1-68614	3.0	0.24	1.14	4	17.1	1.6	135	N.A.	N.A.	N.A.
1-68615	2.2	0.19	1.48	6	11.5	1.3	106	N.A.	N.A.	N.A.
1-68616	1.8	0.15	1.26	5	8.8	1.0	88.1	N.A.	N.A.	N.A.
1-68617	1.0	0.08	0.48	4	5.4	0.5	33.6	N.A.	1.25	5.08
1-68618	2.1	0.27	1.72	7	15.3	1.8	137	N.A.	N.A.	N.A.
1-68619	3.7	0.28	1.47	7	15.5	1.9	154	N.A.	N.A.	N.A.
1-68620	1.6	0.13	1.07	5	7.8	0.9	64.3	N.A.	N.A.	N.A.
1-68621	<0.5	<0.05	1.41	<1	<0.5	<0.1	4.7	N.A.	N.A.	N.A.
1-68622	2.2	0.20	1.30	4	11.3	1.4	102	N.A.	N.A.	N.A.
1-68623	2.4	0.19	1.09	8	11.8	1.2	96.1	N.A.	N.A.	N.A.
1-68624	1.2	0.13	0.98	2	9.0	0.9	57.5	N.A.	N.A.	N.A.
1-68625	2.6	0.23	1.52	6	13.8	1.4	123	N.A.	N.A.	N.A.
1-68626	<0.5	<0.05	0.20	2	2.3	0.2	12.9	N.A.	N.A.	7.26
1-68627	2.1	0.21	1.27	10	12.3	1.3	109	N.A.	N.A.	1.49
1-68628	2.1	0.20	1.13	3	11.5	1.3	109	N.A.	N.A.	N.A.
1-68629	1.7	0.13	0.89	5	9.1	0.9	56.2	N.A.	N.A.	N.A.
1-68630	2.1	0.13	1.12	6	8.4	0.9	68.4	N.A.	N.A.	N.A.
1-68631	2.7	0.17	1.38	6	11.1	1.2	97.6	N.A.	N.A.	N.A.
1-68632	31.6	0.14	3.92	1	9.6	0.9	26.1	1.27	1.48	9.87
1-68633	3.1	0.19	1.47	8	12.7	1.2	103	N.A.	0.98	2.60

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Element	TI	Tm	U	W	Y	Yb	Zr	Cu	Pb	Zn
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICP90Q	ICP90Q	ICP90Q
Det.Lim.	0.5	0.05	0.05	1	0.5	0.1	0.5	0.01	0.01	0.01
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
1-68634	2.4	0.17	1.04	6	12.2	1.1	73.5	N.A.	1.94	N.A.
1-68635	3.2	0.20	1.46	7	11.3	1.3	115	N.A.	N.A.	N.A.
1-68636	0.7	0.06	0.25	3	5.7	0.4	23.2	N.A.	N.A.	6.78
1-68637	<0.5	0.09	0.13	2	12.7	0.5	10.0	N.A.	4.18	13.7
1-68638	1.9	0.14	0.98	9	8.0	0.9	75.1	N.A.	N.A.	9.93
1-68639	3.5	0.22	1.52	6	13.0	1.5	117	N.A.	N.A.	N.A.
1-68640	2.1	0.16	0.92	5	11.7	1.0	67.4	N.A.	1.10	N.A.
1-68641	3.2	0.19	1.36	6	11.7	1.2	103	N.A.	N.A.	N.A.
1-68642	3.1	0.20	1.39	7	11.9	1.3	101	N.A.	N.A.	N.A.
1-68643	3.1	0.18	1.43	3	10.9	1.3	108	N.A.	N.A.	N.A.
1-68644	3.1	0.22	1.55	5	12.5	1.4	112	N.A.	N.A.	N.A.

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## Certificate of Analysis

Work Order: TK120292

To: **Gary Thompson**  
**COD SGS ASSAYERS**  
C/O F406501 SGS ASSAYERS  
8282 SHERBROOKE STREET  
VANCOUVER BC V5X 4R6

Date: Nov 13, 2012

P.O. No. : Lowprofile Ventures  
Project No. : -  
No. Of Samples : 74  
Date Submitted : Oct 10, 2012  
Report Comprises : Pages 1 to 13  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files - upstairs:

Certified By :

  
Satpaul Gill  
QAQC Chemist

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

Report Footer:

L.N.R. = Listed not received  
n.a. = Not applicable

I.S. = Insufficient Sample  
-- = No result

\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM90A 0.01 %	Ba ICM90A 0.5 ppm	Be ICM90A 5 ppm	Ca ICM90A 0.1 %	Cr ICM90A 10 ppm	Cu ICM90A 5 ppm	Fe ICM90A 0.01 %	K ICM90A 0.1 %
1-68645	3.325	7	12.8	569	<5	0.4	<10	16	3.49	6.3
1-68646	2.050	1680	2.04	80.1	<5	0.8	<10	7230	8.91	1.1
1-68647	2.905	4330	1.36	36.8	<5	0.7	<10	>10000	10.4	0.7
1-68648	1.210	<5	0.04	5.2	<5	>35.0	<10	7	0.04	0.2
1-68649	2.955	337	6.55	287	<5	0.6	<10	1170	5.00	3.4
1-68650	2.470	84	10.8	671	<5	0.3	<10	273	3.26	5.3
1-68651	2.975	103	9.00	477	<5	0.6	<10	120	2.39	4.4
1-68652	2.410	68	9.39	568	<5	0.3	<10	75	2.07	4.6
1-68653	2.900	78	8.07	369	<5	0.3	<10	840	3.19	4.0
1-68654	3.835	26	9.46	753	<5	1.3	50	196	7.69	4.1
1-68655	1.565	29	9.07	226	<5	0.8	40	64	5.64	4.6
1-68656	2.900	36	8.84	218	<5	0.9	40	216	6.66	3.9
1-68657	4.280	21	9.65	240	<5	0.8	40	117	7.30	4.3
1-68658	3.400	26	9.79	303	<5	0.8	30	157	5.94	4.6
1-68659	1.550	34	8.42	615	<5	0.8	30	479	7.08	3.9
1-68660	4.385	25	9.33	260	<5	0.8	40	107	7.16	4.1
1-68661	0.065	2130	1.35	359	<5	1.8	30	>10000	17.6	0.5
1-68662	3.850	32	9.77	218	<5	0.8	50	129	7.40	4.4
1-68663	3.820	88	7.42	219	<5	0.8	30	2040	5.02	3.4
1-68664	3.870	120	8.70	188	<5	1.1	40	758	5.54	4.2
1-68665	1.875	48	9.05	210	<5	1.0	40	598	4.93	4.3
1-68666	4.045	49	7.42	180	<5	1.3	30	1130	5.50	3.6
1-68667	4.110	58	8.56	222	<5	1.0	40	1720	5.78	4.2
1-68668	4.100	<5	7.90	376	<5	0.6	<10	10	2.51	3.9
1-68669	3.700	<5	7.86	461	<5	1.5	20	21	3.49	3.9
1-68670	2.850	<5	7.22	302	<5	1.3	10	21	3.18	3.6
1-68671	2.810	<5	8.11	385	<5	1.3	20	35	2.83	4.1
1-68672	2.360	6	6.18	306	<5	0.7	<10	138	3.21	3.0
1-68673	1.095	<5	0.08	5.1	<5	>35.0	<10	18	0.07	0.2
1-68674	3.475	9	6.40	314	<5	4.3	60	38	3.86	2.1
1-68675	2.390	14	7.27	182	<5	3.0	40	41	4.67	3.6
1-68676	1.765	104	2.72	108	<5	1.2	<10	>10000	4.16	1.4
1-68677	2.390	6	6.80	254	<5	1.7	10	59	3.20	3.3
1-68678	3.580	5	5.20	207	<5	1.8	30	27	2.61	2.5
1-68679	3.485	5	7.85	314	<5	2.6	20	23	3.21	3.6
1-68680	3.565	<5	7.31	889	<5	2.8	20	20	3.39	3.7
1-68681	2.940	<5	8.25	2270	<5	4.5	<10	8	2.83	4.6
1-68682	2.210	<5	7.67	553	<5	1.7	10	32	2.40	3.5
1-68683	2.300	<5	6.99	477	<5	2.4	<10	25	2.86	3.6
1-68684	0.065	2100	1.33	348	<5	1.8	30	>10000	17.5	0.5
1-68685	2.100	1950	3.14	113	<5	2.5	40	9560	5.38	0.6
1-68686	2.005	17	7.60	638	<5	3.3	40	27	4.77	3.4
1-68687	1.490	39	4.49	861	<5	1.2	<10	4700	4.50	2.0

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## Low-profile Venues

Element Method Det.Lim. Units	WKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM90A 0.01 %	Ba ICM90A 0.5 ppm	Be ICM90A 5 ppm	Ca ICM90A 0.1 %	Cr ICM90A 10 ppm	Cu ICM90A 5 ppm	Fe ICM90A 0.01 %	K ICM90A 0.1 %
1-68688	3.575	8	4.87	201	<5	1.5	20	42	2.69	2.3
1-68689	4.025	7	5.55	263	<5	1.2	30	74	2.56	2.7
1-68690	2.955	<5	6.97	567	<5	1.9	50	43	2.93	2.8
1-68691	2.010	130	4.10	145	<5	2.5	10	432	3.41	2.1
1-68692	3.695	13	7.05	313	<5	2.6	<10	28	2.90	3.4
1-68693	3.210	19	7.96	316	<5	3.3	10	28	2.82	3.9
1-68694	3.000	105	7.51	250	<5	2.4	20	89	4.09	3.7
1-68695	1.170	<5	0.05	6.2	<5	>35.0	<10	<5	0.04	0.2
1-68696	1.930	<5	8.64	679	<5	3.3	60	51	4.00	4.5
1-68697	1.235	9	8.36	464	<5	1.0	20	10	5.66	3.9
1-68698	1.740	89	3.03	138	<5	2.0	<10	4470	5.15	1.5
1-68699	4.480	10	7.76	527	<5	1.5	<10	43	5.92	3.6
1-68700	1.460	47	5.51	250	<5	0.7	<10	>10000	9.20	2.2
1-68701	1.450	6	8.23	417	<5	1.8	10	33	5.64	3.2
1-68702	1.405	16	8.23	336	<5	1.0	20	156	5.77	2.8
1-68703	0.945	2390	2.20	165	<5	2.1	10	133	4.83	1.1
1-68704	1.510	129	7.31	362	<5	0.9	20	149	4.10	3.4
1-68705	2.620	106	4.30	212	<5	0.8	10	414	6.50	1.4
1-68706	1.665	71	9.07	504	<5	1.2	20	24	4.22	4.1
1-68707	2.465	7	8.11	552	<5	1.1	20	460	6.34	3.0
1-68708	1.180	<5	0.04	6.3	<5	>35.0	<10	<5	0.04	0.2
1-68709	1.995	74	6.19	468	<5	1.5	20	234	4.98	2.8
1-68710	2.525	9	6.74	468	<5	2.6	10	25	2.93	3.2
1-68711	3.930	<5	7.37	413	<5	3.5	<10	11	3.04	3.4
1-68712	4.450	<5	8.30	191	<5	2.6	<10	8	3.02	3.9
1-68713	3.135	<5	8.09	243	<5	1.5	<10	49	2.97	3.9
1-68714	1.755	15	5.01	170	<5	1.1	10	668	3.86	2.1
1-68715	0.515	16	3.84	157	<5	1.0	<10	1170	4.68	1.4
1-68716	0.975	20	4.12	125	<5	1.9	20	50	3.34	1.7
1-68717	1.850	<5	8.11	238	<5	3.0	50	30	4.83	3.4
1-68718	0.070	1130	1.27	352	<5	1.7	30	>10000	14.5	0.5

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Element Method Det.Lim. Units	Li ICM90A 10 ppm	Mg ICM90A 0.01 %	Mn ICM90A 10 ppm	Ni ICM90A 5 ppm	P ICM90A 0.01 %	Sc ICM90A 5 ppm	Sr ICM90A 0.1 ppm	Ti ICM90A 0.01 %	V ICM90A 5 ppm	Zn ICM90A 5 ppm
1-68645	10	0.60	6800	11	0.07	6	98.7	0.34	67	428
1-68646	20	0.41	94700	10	0.01	<5	26.3	0.05	23	>10000
1-68647	20	0.29	>100000	9	<0.01	<5	68.8	0.04	22	>10000
1-68648	<10	2.13	100	<5	<0.01	<5	4560	<0.01	<5	50
1-68649	30	0.33	35100	10	0.05	<5	413	0.17	30	3460
1-68650	10	0.41	18300	8	0.08	<5	493	0.27	26	883
1-68651	20	0.33	12700	6	0.07	<5	623	0.23	27	921
1-68652	<10	0.30	11200	17	0.09	<5	403	0.23	28	109
1-68653	10	0.28	11800	9	0.06	<5	463	0.21	28	3980
1-68654	80	1.20	23000	40	0.09	16	72.8	0.43	133	5930
1-68655	20	0.67	68000	42	0.07	14	45.2	0.41	123	222
1-68656	50	0.87	32500	32	0.08	14	215	0.40	131	4590
1-68657	70	0.96	39500	36	0.09	16	86.9	0.44	137	3640
1-68658	40	0.78	54600	28	0.09	16	65.4	0.47	146	676
1-68659	60	0.86	51600	27	0.08	13	74.1	0.37	127	967
1-68660	70	1.04	35400	31	0.09	15	49.3	0.43	131	4380
1-68661	<10	0.85	460	72	0.03	<5	48.2	0.04	56	>10000
1-68662	40	1.12	29600	41	0.08	16	148	0.45	128	2340
1-68663	20	0.54	44700	27	0.04	11	220	0.33	97	>10000
1-68664	10	0.56	61900	20	0.08	13	187	0.39	122	1340
1-68665	10	0.52	55700	22	0.08	14	241	0.42	127	998
1-68666	20	0.58	62400	18	0.06	11	110	0.33	98	1310
1-68667	10	0.54	62500	24	0.04	12	69.2	0.35	95	909
1-68668	<10	0.29	360	12	0.06	<5	45.2	0.21	24	178
1-68669	10	0.36	1080	24	0.08	8	106	0.27	73	282
1-68670	20	0.30	1200	22	0.06	5	125	0.21	72	342
1-68671	10	0.36	1630	21	0.08	8	108	0.28	73	535
1-68672	20	0.38	5090	18	0.05	<5	35.4	0.17	41	6660
1-68673	<10	1.76	50	<5	<0.01	<5	4300	<0.01	<5	12
1-68674	30	1.25	16300	37	0.08	9	516	0.33	85	1460
1-68675	20	0.83	29000	25	0.11	8	86.2	0.47	106	631
1-68676	20	0.42	6870	16	0.02	<5	53.3	0.08	27	>10000
1-68677	20	0.61	4540	25	0.05	6	175	0.22	66	3350
1-68678	10	0.63	3920	21	0.05	6	160	0.20	51	1160
1-68679	20	0.68	6410	19	0.08	8	89.7	0.28	67	1940
1-68680	20	0.79	1750	26	0.07	7	106	0.26	68	434
1-68681	30	1.14	2860	10	0.09	6	199	0.27	56	167
1-68682	20	0.77	2580	17	0.08	7	71.2	0.27	66	987
1-68683	20	0.41	1830	15	0.07	<5	60.2	0.18	31	762
1-68684	<10	0.83	420	70	0.03	<5	45.1	0.04	59	>10000
1-68685	50	0.86	8000	34	0.05	5	117	0.19	58	>10000
1-68686	100	1.24	6990	28	0.12	8	187	0.49	104	404
1-68687	90	0.64	3990	16	0.07	9	44.8	0.22	65	>10000

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Element	Li	Mg	Mn	Ni	P	Sc	Sr	Ti	V	Zn
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	10	0.01	10	5	0.01	5	0.1	0.01	5	5
Units	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
1-68688	20	0.60	2610	22	0.05	9	147	0.22	71	1210
1-68689	20	0.48	3980	24	0.06	7	415	0.21	59	1520
1-68690	70	0.81	5510	28	0.09	11	774	0.27	89	1060
1-68691	20	0.71	18100	14	0.04	<5	231	0.14	47	9180
1-68692	30	1.05	8360	18	0.05	<5	73.5	0.20	58	2060
1-68693	20	1.18	6850	16	0.07	7	69.1	0.25	65	2790
1-68694	30	0.90	21200	21	0.08	11	77.0	0.31	100	6100
1-68695	<10	1.69	50	<5	<0.01	<5	4590	<0.01	<5	18
1-68696	30	1.44	2620	40	0.09	15	116	0.40	133	857
1-68697	30	0.75	10900	16	0.07	27	72.8	0.50	117	277
1-68698	30	0.51	21100	12	0.03	8	158	0.17	41	>10000
1-68699	30	0.96	4230	12	0.07	23	74.4	0.47	98	853
1-68700	20	0.71	3300	19	0.04	18	31.4	0.33	81	>10000
1-68701	20	1.13	3850	15	0.09	27	61.3	0.51	153	1330
1-68702	60	1.01	12400	21	0.07	17	143	0.38	112	6460
1-68703	40	0.51	4100	17	0.02	<5	54.0	0.08	32	4830
1-68704	30	0.55	5070	17	0.08	8	109	0.28	79	7620
1-68705	80	0.79	8480	23	0.06	5	77.2	0.19	66	>10000
1-68706	30	0.82	3320	20	0.10	11	108	0.34	105	1930
1-68707	40	1.53	4660	26	0.09	10	72.7	0.32	92	8650
1-68708	<10	1.71	60	<5	<0.01	<5	4540	<0.01	<5	47
1-68709	40	0.81	22900	17	0.06	7	71.0	0.24	74	4730
1-68710	30	0.84	2980	13	0.08	<5	79.4	0.18	30	1060
1-68711	50	0.91	6680	11	0.06	<5	176	0.18	26	1130
1-68712	40	1.10	6050	10	0.07	<5	181	0.20	23	631
1-68713	50	0.74	12800	11	0.06	<5	69.1	0.20	55	3330
1-68714	70	0.54	8720	16	0.05	<5	96.0	0.14	43	>10000
1-68715	80	0.52	11800	15	0.04	<5	62.2	0.10	39	>10000
1-68716	60	0.72	4790	18	0.04	<5	165	0.17	51	1860
1-68717	80	1.04	8680	28	0.13	9	108	0.52	116	319
1-68718	<10	0.83	420	69	0.03	<5	44.9	0.04	57	>10000

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Element	Ag	As	Bi	Cd	Ce	Co	Cs	Dy	Er	Eu
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	5	0.1	0.2	0.1	0.5	0.1	0.05	0.05	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68645	1	22	0.7	1.4	65.9	6.8	31.5	3.86	2.62	1.63
1-68646	67	2250	18.9	190	12.5	10.1	3.4	2.83	1.39	0.63
1-68647	163	2310	14.9	258	6.8	9.3	1.8	4.37	1.81	0.69
1-68648	2	29	0.2	3.1	0.3	0.6	0.1	0.07	<0.05	<0.05
1-68649	41	563	3.8	18.8	32.2	9.4	8.5	2.14	1.35	0.83
1-68650	6	400	1.1	4.3	49.4	7.4	23.5	3.61	2.27	1.38
1-68651	5	471	0.5	4.6	44.5	7.3	23.3	3.10	1.79	1.13
1-68652	2	277	0.3	0.6	44.0	3.0	19.1	3.03	1.90	1.00
1-68653	23	80	24.6	18.6	37.8	8.8	20.7	2.46	1.58	0.94
1-68654	7	39	5.5	26.5	32.8	18.1	10.3	2.97	1.81	1.05
1-68655	2	50	1.6	1.4	38.3	28.3	12.3	2.68	1.63	1.14
1-68656	6	111	5.8	21.7	30.6	18.9	13.0	2.50	1.46	0.90
1-68657	4	57	3.4	16.7	31.8	19.6	13.6	2.67	1.66	1.05
1-68658	3	75	0.8	2.8	32.0	16.7	15.3	2.79	1.69	1.41
1-68659	5	53	3.7	3.9	24.9	18.8	11.0	2.46	1.45	0.92
1-68660	3	35	2.8	20.1	31.9	20.6	12.4	2.84	1.57	1.12
1-68661	143	1050	58.9	506	13.0	31.2	1.0	1.51	0.92	0.74
1-68662	7	83	7.0	18.7	36.1	18.5	20.0	2.76	1.76	1.01
1-68663	43	363	46.0	53.6	28.5	27.8	44.4	1.84	1.16	0.94
1-68664	12	369	2.9	9.1	33.6	16.4	26.9	2.53	1.40	1.32
1-68665	8	160	4.4	5.5	37.2	21.0	25.3	2.52	1.36	1.39
1-68666	8	206	3.4	6.9	24.5	13.6	15.1	2.15	1.32	1.05
1-68667	18	327	12.0	5.3	31.6	17.1	15.6	2.20	1.35	1.12
1-68668	2	26	0.5	0.9	32.8	4.0	18.4	2.22	1.45	0.90
1-68669	2	34	0.1	0.7	30.9	10.1	15.9	2.75	1.61	0.89
1-68670	2	77	<0.1	0.8	29.6	8.7	12.2	2.16	1.32	0.80
1-68671	2	596	0.2	2.1	31.4	9.3	11.1	2.42	1.41	0.98
1-68672	6	198	3.1	32.6	26.4	8.4	6.7	1.95	1.24	0.68
1-68673	<1	<5	<0.1	0.4	0.6	0.6	0.2	0.07	0.07	<0.05
1-68674	3	110	0.5	6.7	26.1	14.4	5.8	2.28	1.32	1.03
1-68675	4	42	0.4	2.6	36.3	14.7	10.5	1.99	0.94	1.43
1-68676	79	83	47.7	128	8.5	43.4	4.0	0.93	0.50	0.31
1-68677	8	44	0.5	16.8	25.9	14.2	13.3	2.02	1.32	0.72
1-68678	2	36	0.6	5.7	19.9	8.9	9.2	1.51	0.91	0.63
1-68679	4	138	<0.1	11.0	36.1	9.6	11.0	2.35	1.41	1.02
1-68680	2	102	<0.1	3.1	32.9	12.9	7.3	2.28	1.39	0.88
1-68681	<1	71	<0.1	0.8	36.2	4.3	3.5	2.30	1.33	0.88
1-68682	1	52	0.1	4.4	37.8	9.8	11.2	2.31	1.41	0.90
1-68683	1	30	<0.1	3.8	32.8	6.9	10.3	2.42	1.34	1.00
1-68684	141	1080	60.1	520	12.8	31.5	0.8	1.61	0.93	0.75
1-68685	231	109	287	544	14.2	105	2.8	1.23	0.68	0.51
1-68686	2	31	0.9	2.4	36.3	14.6	11.7	2.08	1.03	1.10
1-68687	103	50	133	260	15.9	44.7	8.0	2.08	1.22	0.61

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Element	Ag	As	Bi	Cd	Ce	Co	Cs	Dy	Er	Eu
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	5	0.1	0.2	0.1	0.5	0.1	0.05	0.05	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68688	2	50	1.1	4.9	16.9	11.4	10.3	2.03	1.37	0.88
1-68689	4	58	0.7	6.8	23.6	13.0	9.6	1.98	1.22	0.91
1-68690	3	135	0.2	4.4	33.5	10.7	10.7	2.09	1.18	1.03
1-68691	30	400	13.8	40.5	22.4	10.5	8.5	1.73	1.04	0.72
1-68692	3	375	0.1	8.9	33.8	10.0	10.8	2.02	1.14	0.88
1-68693	3	607	<0.1	13.0	38.4	8.5	14.7	2.48	1.47	1.06
1-68694	7	189	1.8	21.5	22.0	9.3	15.5	1.90	1.14	0.80
1-68695	<1	<5	<0.1	<0.2	0.2	<0.5	0.2	<0.05	<0.05	<0.05
1-68696	3	147	<0.1	4.1	31.5	19.0	10.8	2.63	1.51	1.12
1-68697	<1	16	0.5	0.7	20.3	19.7	21.5	5.75	3.52	1.22
1-68698	129	60	124	296	10.2	51.7	3.7	3.10	1.98	0.59
1-68699	2	20	3.1	4.2	20.3	14.2	18.8	5.54	3.58	1.28
1-68700	398	50	624	405	12.3	56.3	12.1	3.83	2.47	0.71
1-68701	2	17	2.7	6.5	19.2	16.9	19.6	5.26	3.49	1.35
1-68702	6	58	4.8	29.5	27.8	20.9	38.0	3.39	2.26	1.01
1-68703	14	29300	2.4	25.5	10.0	6.4	5.1	0.72	0.34	0.45
1-68704	7	216	3.8	33.8	22.3	8.4	12.3	1.65	0.93	0.64
1-68705	13	341	2.8	122	16.3	12.1	7.3	1.79	0.96	0.47
1-68706	2	85	0.3	8.2	36.4	10.3	25.7	2.54	1.51	1.02
1-68707	18	29	26.4	43.5	33.2	17.3	19.1	2.38	1.31	0.89
1-68708	<1	10	0.2	<0.2	0.1	<0.5	0.6	<0.05	<0.05	<0.05
1-68709	5	87	0.9	22.4	25.8	9.9	16.1	1.91	1.08	0.88
1-68710	3	180	0.3	5.6	43.6	8.0	12.3	2.33	1.42	1.02
1-68711	2	289	0.1	5.6	36.9	5.6	12.4	2.44	1.50	1.07
1-68712	<1	24	<0.1	2.6	41.5	4.8	10.8	2.71	1.61	1.22
1-68713	2	11	0.6	14.3	39.6	3.6	9.6	2.72	1.54	1.14
1-68714	22	22	29.7	80.8	25.5	18.4	7.4	1.49	0.95	0.62
1-68715	49	17	74.1	141	21.6	18.4	5.1	1.33	0.79	0.57
1-68716	2	30	1.3	8.4	17.7	8.0	9.6	1.22	0.69	0.52
1-68717	<1	12	0.2	0.7	40.6	14.1	12.4	2.03	0.94	1.21
1-68718	146	1060	59.8	506	12.5	30.1	0.8	1.45	0.85	0.73

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Element Method Det.Lim. Units	Ga ICM90A 1 ppm	Gd ICM90A 0.05 ppm	Ge ICM90A 1 ppm	Hf ICM90A 1 ppm	Ho ICM90A 0.05 ppm	In ICM90A 0.2 ppm	La ICM90A 0.1 ppm	Lu ICM90A 0.05 ppm	Mo ICM90A 2 ppm	Nb ICM90A 1 ppm
1-68688	9	1.99	2	2	0.63	0.4	8.5	0.47	5	1
1-68689	10	2.07	2	2	0.56	0.3	12.6	0.36	8	2
1-68690	13	2.62	2	3	0.45	<0.2	17.6	0.23	3	3
1-68691	9	1.81	2	1	0.37	1.9	11.4	0.22	26	1
1-68692	13	2.41	1	3	0.46	<0.2	16.7	0.56	4	2
1-68693	17	3.03	1	3	0.53	<0.2	19.4	0.28	5	2
1-68694	15	1.91	1	2	0.39	1.3	11.2	0.19	3	2
1-68695	<1	<0.05	<1	<1	<0.05	<0.2	0.1	<0.05	<2	<1
1-68696	18	3.20	1	3	0.55	<0.2	15.1	0.25	2	3
1-68697	17	5.12	<1	2	1.21	<0.2	9.2	0.61	4	1
1-68698	7	2.80	<1	<1	0.68	18.9	4.7	0.28	41	<1
1-68699	16	4.80	1	2	1.19	0.2	8.6	0.60	3	1
1-68700	12	3.19	<1	1	0.83	41.4	5.4	0.40	10	<1
1-68701	15	4.91	1	2	1.18	0.2	8.7	0.54	2	1
1-68702	16	3.48	2	2	0.73	0.8	13.7	0.35	6	2
1-68703	5	0.98	2	<1	0.13	0.3	4.9	0.06	10	<1
1-68704	14	1.93	2	2	0.32	0.4	10.1	0.16	9	2
1-68705	10	1.76	2	2	0.32	0.5	7.9	0.14	5	1
1-68706	17	2.94	2	3	0.51	<0.2	18.0	0.24	3	3
1-68707	15	2.94	2	3	0.49	0.3	16.2	0.23	2	2
1-68708	<1	<0.05	<1	<1	<0.05	<0.2	0.1	<0.05	<2	<1
1-68709	13	2.23	2	2	0.37	0.6	13.4	0.17	4	2
1-68710	12	2.93	2	3	0.48	<0.2	24.2	0.28	10	2
1-68711	15	2.90	2	3	0.49	<0.2	16.9	0.29	<2	3
1-68712	17	2.92	1	4	0.55	<0.2	19.4	0.30	<2	4
1-68713	16	3.07	1	4	0.54	<0.2	18.7	0.28	3	3
1-68714	11	1.83	2	2	0.32	4.1	13.0	0.17	7	2
1-68715	9	1.59	2	2	0.26	4.5	11.4	0.15	6	2
1-68716	9	1.45	1	2	0.24	0.2	8.8	0.14	10	2
1-68717	19	3.02	1	3	0.37	<0.2	19.8	0.13	4	6
1-68718	15	1.51	4	<1	0.30	6.4	7.7	0.13	37	1

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Element Method Det.Lim. Units	Nd ICM90A 0.1 ppm	Pb ICM90A 5 ppm	Pr ICM90A 0.05 ppm	Rb ICM90A 0.2 ppm	Sb ICM90A 0.1 ppm	Sm ICM90A 0.1 ppm	Sn ICM90A 1 ppm	Ta ICM90A 0.5 ppm	Tb ICM90A 0.05 ppm	Th ICM90A 0.1 ppm
1-68645	32.0	126	8.33	252	4.3	5.5	1	<0.5	0.65	5.5
1-68646	6.5	3070	1.64	54.8	50.9	1.6	<1	<0.5	0.44	1.0
1-68647	4.0	2680	0.93	35.9	95.5	1.4	<1	<0.5	0.68	0.6
1-68648	0.2	53	<0.05	1.4	1.2	<0.1	<1	<0.5	<0.05	<0.1
1-68649	16.7	6110	4.11	173	41.3	3.1	<1	<0.5	0.37	2.5
1-68650	25.1	503	6.46	201	10.4	4.5	<1	<0.5	0.62	4.4
1-68651	22.2	491	5.71	162	8.2	4.2	<1	<0.5	0.51	3.7
1-68652	23.1	97	5.71	143	5.2	4.2	<1	<0.5	0.52	3.8
1-68653	19.4	1600	4.82	156	7.6	3.7	<1	<0.5	0.44	3.3
1-68654	18.2	1330	4.22	224	5.3	3.7	2	<0.5	0.50	3.1
1-68655	20.1	215	4.88	241	4.6	3.9	<1	<0.5	0.50	3.0
1-68656	16.4	975	4.05	215	5.1	3.3	1	<0.5	0.40	2.4
1-68657	18.1	915	4.24	231	4.7	3.6	1	<0.5	0.45	2.6
1-68658	17.8	412	4.43	236	6.5	3.6	<1	<0.5	0.49	2.5
1-68659	14.1	327	3.36	213	7.3	2.8	2	<0.5	0.40	2.2
1-68660	17.7	506	4.28	234	3.8	3.5	1	<0.5	0.46	2.6
1-68661	6.8	>10000	1.73	19.6	185	1.4	142	<0.5	0.25	1.3
1-68662	20.0	512	4.79	246	7.3	3.7	4	<0.5	0.47	3.1
1-68663	14.8	1680	3.74	199	12.8	2.9	1	<0.5	0.34	1.9
1-68664	19.0	2140	4.50	220	14.5	3.7	<1	<0.5	0.43	2.3
1-68665	20.5	917	4.82	224	10.8	4.0	<1	<0.5	0.46	2.5
1-68666	13.5	478	3.13	189	12.7	2.7	<1	<0.5	0.38	1.9
1-68667	16.0	597	4.04	209	11.4	3.2	<1	<0.5	0.35	2.2
1-68668	15.6	51	4.03	118	3.8	3.0	<1	<0.5	0.35	3.6
1-68669	16.7	62	4.06	124	5.9	3.0	<1	<0.5	0.46	3.2
1-68670	15.6	86	3.80	139	4.2	2.8	<1	<0.5	0.36	3.1
1-68671	17.2	336	4.28	164	8.0	3.1	<1	<0.5	0.39	3.2
1-68672	13.6	2070	3.48	107	6.0	2.5	<1	<0.5	0.32	2.7
1-68673	0.4	38	0.09	2.0	0.2	<0.1	<1	<0.5	<0.05	<0.1
1-68674	13.8	648	3.42	62.5	6.5	3.1	<1	<0.5	0.41	2.6
1-68675	19.3	1750	4.67	171	8.0	3.6	<1	<0.5	0.40	5.3
1-68676	4.5	4810	1.09	53.5	15.9	0.8	<1	<0.5	0.14	1.1
1-68677	13.0	2540	3.31	124	8.2	2.5	<1	<0.5	0.33	2.8
1-68678	9.8	565	2.56	75.0	4.5	1.9	<1	<0.5	0.27	1.7
1-68679	18.6	881	4.53	150	7.3	3.2	<1	<0.5	0.40	3.2
1-68680	16.9	165	4.24	139	5.1	3.0	<1	<0.5	0.39	3.1
1-68681	18.2	101	4.68	118	2.0	3.2	<1	<0.5	0.41	3.3
1-68682	17.8	722	4.70	148	5.6	3.3	<1	<0.5	0.36	3.2
1-68683	16.8	450	4.20	160	4.1	3.0	<1	<0.5	0.42	3.1
1-68684	6.6	>10000	1.77	16.1	181	1.4	145	<0.5	0.25	1.2
1-68685	7.3	>10000	1.76	24.8	19.0	1.6	<1	<0.5	0.21	1.3
1-68686	19.4	220	4.67	179	7.1	3.7	<1	<0.5	0.41	5.5
1-68687	8.8	9460	2.20	87.8	6.6	2.1	<1	<0.5	0.38	1.8

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Element	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68688	9.1	403	2.51	68.0	3.8	2.1	<1	<0.5	0.57	1.7
1-68689	11.6	1110	3.21	111	5.4	2.4	<1	<0.5	0.48	2.4
1-68690	16.2	493	4.27	142	4.5	3.2	<1	<0.5	0.46	2.6
1-68691	11.6	8010	2.99	93.1	16.5	2.2	<1	<0.5	0.33	1.6
1-68692	15.9	995	4.26	155	4.6	2.8	<1	<0.5	0.36	2.9
1-68693	19.1	1110	4.96	175	5.7	3.7	<1	<0.5	0.43	3.3
1-68694	11.7	1920	2.86	184	6.9	2.2	<1	<0.5	0.30	2.1
1-68695	0.1	10	<0.05	1.4	0.1	<0.1	<1	<0.5	<0.05	<0.1
1-68696	17.2	607	4.22	202	4.3	3.7	<1	<0.5	0.46	2.9
1-68697	14.8	218	3.22	170	3.5	4.1	<1	<0.5	0.86	1.9
1-68698	7.4	>10000	1.61	72.3	12.5	2.2	<1	<0.5	0.48	0.8
1-68699	14.1	227	2.91	169	2.9	4.1	1	<0.5	0.85	1.8
1-68700	9.1	>10000	1.89	100	22.4	2.6	2	<0.5	0.58	1.2
1-68701	13.9	736	2.94	133	3.5	3.8	<1	<0.5	0.81	1.5
1-68702	15.8	1450	3.84	141	6.3	3.5	<1	<0.5	0.56	2.4
1-68703	5.5	1090	1.35	51.4	88.3	1.1	<1	<0.5	0.14	0.7
1-68704	12.3	3180	2.96	159	6.9	2.4	1	<0.5	0.29	2.6
1-68705	9.0	5480	2.15	50.5	11.0	1.9	<1	<0.5	0.29	1.8
1-68706	19.0	980	4.67	170	3.8	3.7	<1	<0.5	0.46	3.1
1-68707	17.4	4230	4.34	139	3.7	3.4	<1	<0.5	0.42	2.9
1-68708	0.1	38	<0.05	1.6	0.3	<0.1	<1	<0.5	<0.05	<0.1
1-68709	13.4	2680	3.48	121	10.5	2.6	<1	<0.5	0.32	2.3
1-68710	20.4	1150	5.46	117	8.5	3.6	<1	<0.5	0.40	2.8
1-68711	18.4	635	4.77	152	6.1	3.3	<1	<0.5	0.42	3.1
1-68712	21.1	471	5.37	184	4.6	3.9	<1	<0.5	0.44	3.5
1-68713	20.1	1650	5.22	182	4.4	3.6	<1	<0.5	0.48	3.3
1-68714	12.5	1670	3.29	102	5.9	2.1	<1	<0.5	0.25	2.4
1-68715	10.6	3960	2.81	63.2	6.3	1.8	<1	<0.5	0.24	1.7
1-68716	9.3	443	2.32	86.3	4.4	1.9	<1	<0.5	0.21	1.9
1-68717	20.9	117	5.25	185	4.9	4.1	<1	<0.5	0.39	6.0
1-68718	6.8	>10000	1.72	15.0	187	1.4	146	<0.5	0.24	1.2

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1-68645	3.7	0.43	2.31	6	23.2	2.9	250	N.A.	N.A.	N.A.
1-68646	0.8	0.17	0.42	5	15.0	0.9	40.4	N.A.	N.A.	4.32
1-68647	0.5	0.20	0.21	4	22.8	1.1	26.8	1.60	N.A.	5.77
1-68648	<0.5	<0.05	1.44	<1	0.5	<0.1	1.4	N.A.	N.A.	N.A.
1-68649	2.6	0.22	0.63	11	12.6	1.4	119	N.A.	N.A.	N.A.
1-68650	2.8	0.35	1.35	10	21.5	2.3	213	N.A.	N.A.	N.A.
1-68651	2.1	0.29	1.74	13	16.3	2.0	173	N.A.	N.A.	N.A.
1-68652	1.6	0.29	1.79	10	16.9	1.9	177	N.A.	N.A.	N.A.
1-68653	1.7	0.24	1.54	8	13.5	1.6	151	N.A.	N.A.	N.A.
1-68654	3.2	0.27	0.74	18	16.6	1.7	124	N.A.	N.A.	N.A.
1-68655	4.0	0.23	0.90	10	14.6	1.6	118	N.A.	N.A.	N.A.
1-68656	3.5	0.20	0.93	12	13.6	1.4	108	N.A.	N.A.	N.A.
1-68657	3.8	0.23	0.92	11	15.1	1.5	119	N.A.	N.A.	N.A.
1-68658	4.1	0.24	1.06	6	15.2	1.7	123	N.A.	N.A.	N.A.
1-68659	3.4	0.21	0.97	13	13.1	1.4	102	N.A.	N.A.	N.A.
1-68660	3.8	0.25	1.07	11	15.2	1.6	120	N.A.	N.A.	N.A.
1-68661	34.3	0.13	4.13	2	8.5	0.9	26.0	1.25	1.45	9.58
1-68662	4.3	0.25	1.36	14	15.4	1.7	122	N.A.	N.A.	N.A.
1-68663	3.1	0.16	0.82	11	10.4	1.1	89.0	N.A.	N.A.	1.10
1-68664	3.9	0.19	1.06	10	13.6	1.3	106	N.A.	N.A.	N.A.
1-68665	3.9	0.21	1.12	11	13.4	1.4	113	N.A.	N.A.	N.A.
1-68666	3.1	0.19	0.79	7	12.7	1.2	88.0	N.A.	N.A.	N.A.
1-68667	3.8	0.21	0.92	10	12.5	1.2	98.0	N.A.	N.A.	N.A.
1-68668	1.6	0.24	1.58	2	12.5	1.7	165	N.A.	N.A.	N.A.
1-68669	2.0	0.25	1.52	3	15.6	1.7	135	N.A.	N.A.	N.A.
1-68670	2.1	0.21	1.36	3	12.6	1.5	139	N.A.	N.A.	N.A.
1-68671	2.5	0.23	1.34	4	13.7	1.6	139	N.A.	N.A.	N.A.
1-68672	1.6	0.20	1.21	6	11.8	1.3	123	N.A.	N.A.	N.A.
1-68673	<0.5	<0.05	1.51	<1	0.5	<0.1	3.9	N.A.	N.A.	N.A.
1-68674	1.1	0.19	1.13	6	12.3	1.3	94.5	N.A.	N.A.	N.A.
1-68675	3.1	0.13	2.42	6	9.8	0.8	113	N.A.	N.A.	N.A.
1-68676	0.9	0.08	0.55	9	5.0	0.5	46.6	1.08	N.A.	2.85
1-68677	1.9	0.20	1.59	3	11.7	1.4	121	N.A.	N.A.	N.A.
1-68678	1.5	0.15	0.76	2	8.2	0.9	72.2	N.A.	N.A.	N.A.
1-68679	2.9	0.20	1.31	2	12.6	1.4	123	N.A.	N.A.	N.A.
1-68680	2.5	0.21	1.39	1	12.6	1.4	127	N.A.	N.A.	N.A.
1-68681	2.4	0.21	1.19	3	12.7	1.4	124	N.A.	N.A.	N.A.
1-68682	2.2	0.21	1.52	3	12.5	1.5	124	N.A.	N.A.	N.A.
1-68683	2.7	0.22	1.64	1	13.7	1.6	144	N.A.	N.A.	N.A.
1-68684	34.9	0.13	4.21	2	9.2	0.8	23.6	1.26	1.53	9.95
1-68685	0.8	0.10	0.69	6	6.7	0.6	40.3	N.A.	3.01	11.2
1-68686	3.0	0.13	2.61	4	9.9	0.9	122	N.A.	N.A.	N.A.
1-68687	1.4	0.25	0.91	3	10.4	1.3	49.7	N.A.	N.A.	6.75

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Element Method Det.Lim. Units	Ti ICM90A 0.5 ppm	Tm ICM90A 0.05 ppm	U ICM90A 0.05 ppm	W ICM90A 1 ppm	Y ICM90A 0.5 ppm	Yb ICM90A 0.1 ppm	Zr ICM90A 0.5 ppm	Cu ICP90Q 0.01 %	Pb ICP90Q 0.01 %	Zn ICP90Q 0.01 %
1-68688	1.2	0.45	0.97	2	9.1	1.4	54.7	N.A.	N.A.	N.A.
1-68689	1.8	0.32	1.59	5	9.3	1.2	89.6	N.A.	N.A.	N.A.
1-68690	2.0	0.22	1.06	3	10.0	1.1	101	N.A.	N.A.	N.A.
1-68691	1.0	0.18	0.88	4	8.8	0.9	59.2	N.A.	N.A.	N.A.
1-68692	1.9	0.21	1.57	2	11.6	1.3	111	N.A.	N.A.	N.A.
1-68693	2.6	0.24	1.67	2	14.2	1.6	128	N.A.	N.A.	N.A.
1-68694	1.6	0.17	1.01	3	9.8	1.1	74.9	N.A.	N.A.	N.A.
1-68695	<0.5	<0.05	1.40	<1	<0.5	<0.1	1.5	N.A.	N.A.	N.A.
1-68696	3.1	0.23	1.35	1	14.6	1.4	113	N.A.	N.A.	N.A.
1-68697	1.7	0.55	1.02	8	32.0	3.6	86.2	N.A.	N.A.	N.A.
1-68698	0.7	0.28	0.51	5	17.9	1.7	35.1	N.A.	3.10	6.17
1-68699	2.4	0.56	0.97	5	30.7	3.6	81.7	N.A.	N.A.	N.A.
1-68700	1.7	0.36	0.69	8	21.6	2.5	51.1	1.21	3.91	9.69
1-68701	1.8	0.51	0.93	5	30.6	3.4	69.3	N.A.	N.A.	N.A.
1-68702	1.3	0.33	1.33	8	18.9	2.2	93.3	N.A.	N.A.	N.A.
1-68703	0.8	0.05	0.32	4	3.5	0.3	27.3	N.A.	N.A.	N.A.
1-68704	1.8	0.13	0.87	10	8.2	0.9	93.6	N.A.	N.A.	N.A.
1-68705	0.6	0.15	0.64	84	9.5	0.9	61.8	N.A.	N.A.	2.89
1-68706	2.6	0.24	1.42	8	14.1	1.5	125	N.A.	N.A.	N.A.
1-68707	2.0	0.21	1.26	6	12.9	1.3	103	N.A.	N.A.	N.A.
1-68708	<0.5	<0.05	1.54	<1	<0.5	<0.1	1.3	N.A.	N.A.	N.A.
1-68709	1.4	0.16	1.06	4	9.9	1.0	81.6	N.A.	N.A.	N.A.
1-68710	1.6	0.22	2.14	1	13.5	1.5	120	N.A.	N.A.	N.A.
1-68711	1.8	0.24	1.46	2	13.9	1.6	146	N.A.	N.A.	N.A.
1-68712	2.0	0.26	1.46	2	15.0	1.7	165	N.A.	N.A.	N.A.
1-68713	1.7	0.25	1.60	3	14.4	1.6	157	N.A.	N.A.	N.A.
1-68714	1.1	0.17	1.10	4	8.6	1.0	102	N.A.	N.A.	1.71
1-68715	0.6	0.12	0.93	3	7.2	0.8	75.9	N.A.	N.A.	3.17
1-68716	1.1	0.11	0.89	5	6.5	0.7	69.6	N.A.	N.A.	N.A.
1-68717	2.4	0.13	2.67	5	9.3	0.8	124	N.A.	N.A.	N.A.
1-68718	33.9	0.11	3.96	2	8.2	0.8	23.3	1.23	1.46	9.50

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## Certificate of Analysis

Work Order: TK120293

To: **Gary Thompson**  
**COD SGS ASSAYERS**  
C/O F406501 SGS ASSAYERS  
8282 SHERBROOKE STREET  
VANCOUVER BC V5X 4R6

Date: Nov 09, 2012

P.O. No. : Lowprofile Ventures  
Project No. : -  
No. Of Samples : 8  
Date Submitted : Oct 10, 2012  
Report Comprises : Pages 1 to 7  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files - upstairs:

Certified By :

  
Satpaul Gill  
QAQC Chemist

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer:

L.N.R. = Listed not received  
n.a. = Not applicable

I.S. = Insufficient Sample  
-- = No result

\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element	WtKg	Au	Al	Ba	Be	Ca	Cr	Cu	Fe	K
Method	WGH79	FAA313	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.001	5	0.01	0.5	5	0.1	10	5	0.01	0.1
Units	kg	ppb	%	ppm	ppm	%	ppm	ppm	%	%
1-68719	2.150	<5	8.33	489	<5	2.5	50	61	5.45	3.5
1-68720	1.170	84	4.66	68.4	<5	1.0	90	307	10.9	0.6
1-68721	2.740	15	8.85	692	<5	1.0	150	114	9.57	2.8
1-68722	3.100	15	9.75	1260	<5	1.1	170	1600	6.81	4.2
1-68723	2.475	52	9.44	3600	<5	2.2	160	231	7.47	4.5
1-68724	4.345	1250	9.24	1890	<5	5.3	150	71	5.66	2.4
1-68725	2.640	<5	10.0	850	<5	2.7	170	44	6.23	2.9
1-68726	3.240	56	4.47	185	<5	0.8	80	583	5.03	1.8

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Element	Li	Mg	Mn	Ni	P	Sc	Sr	Ti	V	Zn
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	10	0.01	10	5	0.01	5	0.1	0.01	5	5
Units	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
1-68719	100	1.42	4760	30	0.10	10	84.8	0.34	105	2320
1-68720	50	1.67	10800	38	0.08	8	20.7	0.23	87	>10000
1-68721	40	2.45	10100	51	0.14	16	40.7	0.40	147	3770
1-68722	<10	1.16	3940	54	0.15	17	54.7	0.45	150	2970
1-68723	30	2.60	6780	70	0.14	17	161	0.46	147	6000
1-68724	20	3.37	3240	66	0.14	16	370	0.42	146	392
1-68725	20	2.98	15800	74	0.15	18	267	0.46	158	1090
1-68726	<10	0.73	23100	38	0.07	8	59.1	0.21	73	>10000

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Element Method Det.Lim. Units	Ag ICM90A 1 ppm	As ICM90A 5 ppm	Bi ICM90A 0.1 ppm	Cd ICM90A 0.2 ppm	Ce ICM90A 0.1 ppm	Co ICM90A 0.5 ppm	Cs ICM90A 0.1 ppm	Dy ICM90A 0.05 ppm	Er ICM90A 0.05 ppm	Eu ICM90A 0.05 ppm
1-68719	2	12	1.7	10.2	39.0	14.2	14.8	2.60	1.44	1.18
1-68720	35	126	26.9	70.6	26.3	31.5	1.9	2.60	1.49	0.60
1-68721	3	19	0.9	15.6	35.6	16.9	7.0	3.25	1.87	1.06
1-68722	10	311	0.7	14.5	34.1	27.5	15.6	3.30	1.99	1.32
1-68723	4	47	0.4	24.1	29.0	24.0	7.4	3.08	1.81	1.36
1-68724	1	22	0.1	1.1	32.4	22.9	6.5	3.21	1.87	1.47
1-68725	1	24	0.3	4.0	32.4	21.7	10.6	3.40	2.01	1.35
1-68726	16	47	17.3	109	15.8	27.7	5.3	1.61	0.87	0.67

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## TABLE 1 - Results

Element	Ga	Gd	Ge	Hf	Ho	In	La	Lu	Mo	Nb
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	0.05	1	1	0.05	0.2	0.1	0.05	2	1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68719	17	3.05	2	3	0.54	<0.2	20.4	0.26	7	4
1-68720	12	3.06	1	1	0.56	0.2	12.0	0.22	30	1
1-68721	19	3.94	1	3	0.65	<0.2	15.8	0.28	48	3
1-68722	21	4.01	1	3	0.66	<0.2	15.1	0.32	4	3
1-68723	19	3.57	1	3	0.65	<0.2	12.5	0.31	3	3
1-68724	20	3.76	1	3	0.68	<0.2	14.5	0.31	<2	3
1-68725	21	3.82	<1	3	0.69	<0.2	14.6	0.32	<2	3
1-68726	11	1.94	<1	1	0.30	3.5	7.5	0.16	104	1

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Element	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68719	19.1	1090	4.94	187	4.2	3.6	<1	<0.5	0.48	3.3
1-68720	15.6	>10000	3.59	34.8	19.8	3.4	<1	<0.5	0.46	0.9
1-68721	22.4	1990	5.20	163	6.1	4.5	1	<0.5	0.59	1.6
1-68722	20.8	1600	4.87	177	9.7	4.5	<1	<0.5	0.53	1.7
1-68723	18.1	2980	4.06	196	10.6	3.9	1	<0.5	0.55	1.7
1-68724	19.8	257	4.54	93.3	18.8	4.2	<1	<0.5	0.54	1.6
1-68725	20.3	513	4.68	143	6.9	4.4	<1	<0.5	0.58	1.7
1-68726	9.5	1480	2.27	107	6.9	2.0	<1	<0.5	0.28	0.8

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Element Method Det.Lim. Units	Tl ICM90A 0.5 ppm	Tm ICM90A 0.05 ppm	U ICM90A 0.05 ppm	W ICM90A 1 ppm	Y ICM90A 0.5 ppm	Yb ICM90A 0.1 ppm	Zr ICM90A 0.5 ppm	Pb ICP90Q 0.01 %	Zn ICP90Q 0.01 %
1-68719	2.9	0.21	1.28	6	13.4	1.4	124	N.A.	N.A.
1-68720	0.6	0.21	0.50	6	13.9	1.2	53.5	2.84	1.57
1-68721	2.5	0.26	0.83	6	16.7	1.7	94.8	N.A.	N.A.
1-68722	2.6	0.28	0.82	3	17.1	1.9	105	N.A.	N.A.
1-68723	3.4	0.27	0.73	2	16.7	1.8	99.1	N.A.	N.A.
1-68724	1.8	0.28	0.76	<1	17.5	1.8	99.2	N.A.	N.A.
1-68725	2.4	0.29	0.85	2	18.0	1.9	104	N.A.	N.A.
1-68726	1.9	0.13	0.44	6	7.9	0.8	56.7	N.A.	2.44

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## Certificate of Analysis

Work Order: TK120294

To: Gary Thompson  
COD SGS ASSAYERS  
C/O F406501 SGS ASSAYERS  
8282 SHERBROOKE STREET  
VANCOUVER BC V5X 4R6

Date: Nov 09, 2012

P.O. No. : Lowprofile Ventures  
Project No. : -  
No. Of Samples : 9  
Date Submitted : Oct 10, 2012  
Report Comprises : Pages 1 to 7  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files - upstairs:

Certified By :

  
Satpaul Gill  
QAQC Chemist

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer:

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n.a. = Not applicable

I.S. = Insufficient Sample  
- = No result

\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
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Element	WtKg	Au	Al	Ba	Be	Ca	Cr	Cu	Fe	K
Method	WGH79	FAA313	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.001	5	0.01	0.5	5	0.1	10	5	0.01	0.1
Units	kg	ppb	%	ppm	ppm	%	ppm	ppm	%	%
M12GTSWR2	1.670	46	3.20	446	<5	<0.1	20	1030	3.17	1.4
M12GTSWR3	1.570	372	2.89	7930	<5	0.4	20	961	8.47	0.7
M12-MTR1-1	3.585	124	1.99	135	<5	0.4	20	>10000	4.50	0.8
M12-MTR1-2	3.635	52	4.88	239	<5	0.4	60	1140	6.47	1.1
M12-MTR1-3	5.080	19	4.70	366	<5	0.2	30	1700	3.15	1.6
M12-MTR1-4	5.200	<5	5.86	543	<5	0.1	<10	67	1.80	2.9
M12GT-001	1.175	68	0.71	34.6	<5	<0.1	<10	7710	7.27	0.2
M12RB-SP-01	1.160	5	6.48	911	<5	0.3	40	39	3.61	2.6
M12RB-SP-02	1.580	236	1.53	89.4	<5	<0.1	<10	7710	8.11	0.5

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Element	Li	Mg	Mn	Ni	P	Sc	Sr	Ti	V	Zn
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	10	0.01	10	5	0.01	5	0.1	0.01	5	5
Units	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
M12GTSWR2	30	0.12	13900	24	0.03	<5	323	0.08	22	3660
M12GTSWR3	50	0.42	10300	31	0.02	<5	145	0.12	55	7420
M12-MTR1-1	30	0.23	5660	20	0.02	<5	32.4	0.07	32	>10000
M12-MTR1-2	60	0.13	13800	34	0.12	8	124	0.29	90	>10000
M12-MTR1-3	30	0.15	7020	30	0.07	5	98.8	0.21	59	6770
M12-MTR1-4	<10	0.21	1200	16	0.06	<5	40.7	0.15	21	983
M12GT-001	20	0.02	340	14	<0.01	<5	13.8	0.02	7	>10000
M12RB-SP-01	40	0.19	20900	32	0.08	12	139	0.27	85	1340
M12RB-SP-02	30	0.03	270	13	0.02	<5	13.9	0.04	15	>10000

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Element	Ag	As	Bi	Cd	Ce	Co	Cs	Dy	Er	Eu
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	5	0.1	0.2	0.1	0.5	0.1	0.05	0.05	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
M12GTSWR2	27	194	0.5	21.0	13.0	5.6	3.7	1.39	0.89	0.49
M12GTSWR3	36	594	1.1	27.9	15.8	11.1	3.3	1.01	0.61	0.60
M12-MTR1-1	149	110	98.4	199	6.6	45.8	2.6	0.65	0.33	0.30
M12-MTR1-2	88	213	16.7	116	25.2	24.2	10.0	2.51	1.32	1.24
M12-MTR1-3	24	105	15.5	37.4	24.1	18.0	5.4	1.92	1.15	0.93
M12-MTR1-4	8	418	0.7	7.2	30.0	5.6	9.3	1.99	1.27	0.73
M12GT-001	736	230	544	197	3.8	20.3	0.9	0.69	0.42	0.11
M12RB-SP-01	3	97	0.7	7.8	28.3	8.5	13.7	2.94	1.83	1.25
M12RB-SP-02	511	348	82.6	96.4	7.5	18.0	1.6	1.03	0.59	0.17

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Element	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
M12GTSWR2	7.8	3770	1.84	67.1	38.0	1.6	<1	<0.5	0.26	1.5
M12GTSWR3	8.1	>10000	2.07	46.7	38.3	1.6	<1	<0.5	0.20	0.9
M12-MTR1-1	3.7	>10000	0.90	42.0	26.0	0.8	<1	<0.5	0.13	0.7
M12-MTR1-2	15.4	>10000	3.51	55.9	33.5	3.7	1	<0.5	0.50	2.6
M12-MTR1-3	14.2	4220	3.52	58.8	10.7	2.8	<1	<0.5	0.36	2.1
M12-MTR1-4	14.8	873	4.01	86.7	7.8	2.7	<1	<0.5	0.37	2.6
M12GT-001	2.1	>10000	0.53	11.5	391	0.5	2	<0.5	0.12	0.3
M12RB-SP-01	16.0	714	3.87	111	6.1	3.5	<1	<0.5	0.49	2.2
M12RB-SP-02	4.1	>10000	0.97	24.2	373	0.8	2	<0.5	0.16	0.7

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Element	Ti	Tm	U	W	Y	Yb	Zr	Cu	Pb	Zn
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICP90Q	ICP90Q	ICP90Q
Det.Lim.	0.5	0.05	0.05	1	0.5	0.1	0.5	0.01	0.01	0.01
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
M12GTSWR2	0.7	0.15	0.49	3	7.4	0.8	60.3	N.A.	N.A.	N.A.
M12GTSWR3	0.5	0.11	0.38	3	5.2	0.5	33.7	N.A.	1.07	N.A.
M12-MTR1-1	0.6	0.07	0.36	2	3.1	0.3	25.3	1.05	1.36	4.13
M12-MTR1-2	1.2	0.17	1.29	3	12.1	1.0	68.2	N.A.	2.08	2.79
M12-MTR1-3	0.9	0.18	1.03	5	10.8	1.1	89.1	N.A.	N.A.	N.A.
M12-MTR1-4	1.2	0.20	1.29	1	11.6	1.3	123	N.A.	N.A.	N.A.
M12GT-001	<0.5	0.07	0.14	1	4.2	0.3	14.4	N.A.	32.9	4.01
M12RB-SP-01	1.0	0.28	0.91	2	16.4	1.8	88.1	N.A.	N.A.	N.A.
M12RB-SP-02	0.5	0.09	0.25	4	5.8	0.6	28.7	N.A.	23.2	2.06

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## Certificate of Analysis

Work Order: TK120295

To: Gary Thompson  
COD SGS ASSAYERS  
C/O F406501 SGS ASSAYERS  
8282 SHERBROOKE STREET  
VANCOUVER BC V5X 4R6

Date: Nov 09, 2012

P.O. No. : Lowprofile Ventures  
Project No. : -  
No. Of Samples : 66  
Date Submitted : Oct 12, 2012  
Report Comprises : Pages 1 to 13  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files - upstairs:

Certified By :

  
Satpaul Gill  
QAQC Chemist

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

**Report Footer:**

L.N.R. = Listed not received  
n.a. = Not applicable

I.S. = Insufficient Sample  
-- = No result

\*INF = Composition of this sample makes detection impossible by this method  
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion  
Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted  
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

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Element	WtKg	Au	Al	Ba	Be	Ca	Cr	Cu	Fe	K
Method	WGH79	FAA313	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.001	5	0.01	0.5	5	0.1	10	5	0.01	0.1
Units	kg	ppb	%	ppm	ppm	%	ppm	ppm	%	%
1-68727	1.440	54	2.38	73.9	<5	0.5	50	903	3.89	1.1
1-68728	3.260	8	8.52	541	<5	2.2	140	85	6.24	2.3
1-68729	3.650	<5	7.72	758	<5	3.4	130	70	7.44	2.0
1-68730	0.065	2190	1.27	375	<5	1.7	30	>10000	17.0	0.4
1-68731	1.585	16	7.68	714	<5	1.5	130	366	6.89	2.2
1-68732	2.670	<5	7.60	557	<5	3.1	50	16	4.19	2.3
1-68733	1.205	36	4.90	192	<5	3.5	20	917	3.43	2.2
1-68734	1.990	50	2.65	137	<5	1.1	30	290	3.25	1.1
1-68735	1.730	181	7.57	274	<5	0.6	10	55	2.46	3.6
1-68736	2.045	10	6.45	145	<5	5.4	110	148	4.51	2.7
1-68737	2.800	<5	7.28	380	<5	2.7	10	43	3.00	3.4
1-68738	2.845	<5	7.82	686	<5	3.6	20	54	2.57	3.7
1-68739	0.915	<5	0.06	6.3	<5	>35.0	<10	<5	0.04	<0.1
1-68740	1.800	<5	9.06	904	<5	2.1	80	6	5.43	3.9
1-68741	1.235	495	5.54	85.2	<5	0.5	50	6	3.28	2.5
1-68742	1.775	19	8.80	271	<5	1.9	80	130	5.84	3.8
1-68743	1.360	<5	8.30	385	<5	2.1	20	14	3.77	3.0
1-68744	0.065	2140	1.28	369	<5	1.8	30	>10000	17.1	0.4
1-68745	2.940	15	6.23	687	<5	2.3	20	35	3.96	2.8
1-68746	1.905	<5	8.40	257	<5	2.1	20	17	3.51	2.7
1-68747	1.615	<5	8.28	734	<5	1.9	20	7	3.32	3.0
1-68748	2.565	58	4.34	213	<5	2.4	10	1580	8.31	1.5
1-68749	3.230	47	8.90	842	<5	2.5	20	13	3.62	3.0
1-68750	2.400	<5	8.70	834	<5	2.4	20	12	3.52	2.9
1-68751	2.725	6	8.26	650	<5	2.9	20	15	3.60	2.8
1-68752	2.450	6	7.95	1140	<5	0.5	<10	43	2.46	3.7
1-68753	1.255	48	4.07	859	<5	1.5	<10	779	3.80	1.9
1-68754	1.170	<5	0.04	11.5	<5	>35.0	<10	<5	0.04	<0.1
1-68755	1.635	17	5.41	525	<5	0.4	<10	127	2.55	2.5
1-68756	3.435	24	7.39	506	<5	0.3	<10	99	2.44	3.6
1-68757	3.425	22	7.24	508	<5	0.5	<10	37	2.09	3.6
1-68758	1.440	185	5.04	233	<5	0.4	20	236	6.76	2.5
1-68759	1.040	333	6.48	98.5	<5	1.7	30	457	5.14	1.6
1-68760	2.035	163	5.68	203	<5	1.5	30	381	4.63	2.0
1-68761	1.165	114	4.57	2160	<5	4.0	20	229	4.39	1.9
1-68762	0.065	2120	1.28	367	<5	1.7	30	>10000	16.7	0.4
1-68763	2.730	10	7.75	1140	<5	2.8	40	13	3.42	3.7
1-68764	3.640	7	9.29	800	<5	1.7	20	40	5.06	2.8
1-68765	4.160	7	10.8	734	<5	1.4	30	34	4.63	3.2
1-68766	3.250	32	8.85	565	<5	1.4	20	110	5.53	3.0
1-68767	3.150	224	5.93	1290	<5	2.7	20	82	3.72	2.0
1-68768	3.735	62	9.57	1100	<5	2.3	20	152	4.81	2.8
1-68769	1.880	132	8.78	422	<5	1.8	20	199	4.07	2.5

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Element Method Det.Lim. Units	WKg WGH79 0.001 kg	Au FAA313 5 ppb	Al ICM90A 0.01 %	Ba ICM90A 0.5 ppm	Be ICM90A 5 ppm	Ca ICM90A 0.1 %	Cr ICM90A 10 ppm	Cu ICM90A 5 ppm	Fe ICM90A 0.01 %	K ICM90A 0.1 %
1-68770	2.330	48	9.06	225	<5	1.5	20	51	4.60	4.0
1-68771	1.940	1740	6.15	3360	<5	2.3	10	1750	5.53	3.0
1-68772	0.830	1190	6.31	4910	<5	2.5	20	1080	4.64	3.0
1-68773	0.670	42	9.35	270	<5	1.0	20	98	3.82	4.5
1-68774	1.235	<5	0.05	21.6	<5	>35.0	<10	<5	0.04	<0.1
1-68775	2.500	5230	4.16	279	<5	0.6	<10	5320	6.11	2.0
1-68776	2.920	2060	4.14	1410	<5	2.3	<10	7230	7.59	2.0
1-68777	3.280	46	6.69	322	<5	1.2	20	215	3.28	3.3
1-68778	3.235	11	7.88	259	<5	1.1	20	57	3.66	3.8
1-68779	0.070	2030	1.27	378	<5	1.7	30	>10000	16.3	0.4
1-68780	4.200	6	8.32	367	<5	1.8	20	41	4.22	3.2
1-68781	1.985	13	7.13	310	<5	1.5	20	90	4.94	3.1
1-68782	2.375	46	3.06	120	<5	3.4	10	372	4.41	1.5
1-68783	0.985	44	3.09	119	<5	3.5	<10	497	4.33	1.5
1-68784	1.235	146	3.25	81.0	<5	8.9	<10	198	3.76	1.6
1-68785	1.165	492	2.72	105	<5	4.0	<10	1720	5.17	1.3
1-68786	1.585	49	7.87	214	<5	0.9	20	1330	4.96	3.6
1-68787	2.460	1210	6.98	191	<5	1.0	20	1880	5.30	3.4
1-68788	3.780	26	9.99	226	<5	1.1	20	56	5.64	4.2
1-68789	0.070	1940	1.23	370	<5	1.7	30	>10000	16.4	0.4
1-68790	3.620	176	9.96	189	<5	1.3	20	24	5.73	4.4
1-68791	2.955	1280	5.77	80.2	<5	1.1	20	7820	7.23	2.5
1-68792	2.100	11	10.5	144	<5	1.3	30	90	5.77	4.9

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Element Method Det.Lim. Units	Li ICM90A 10 ppm	Mg ICM90A 0.01 %	Mn ICM90A 10 ppm	Ni ICM90A 5 ppm	P ICM90A 0.01 %	Sc ICM90A 5 ppm	Sr ICM90A 0.1 ppm	Ti ICM90A 0.01 %	V ICM90A 5 ppm	Zn ICM90A 5 ppm
1-68727	20	0.30	23500	25	0.04	<5	36.7	0.10	45	>10000
1-68728	50	2.55	6950	61	0.13	15	143	0.41	133	4420
1-68729	80	2.78	6940	51	0.12	13	152	0.36	122	4790
1-68730	<10	0.84	420	68	0.03	<5	41.8	0.04	61	>10000
1-68731	40	2.58	5680	57	0.12	14	115	0.37	127	>10000
1-68732	150	1.23	6040	24	0.14	8	232	0.49	122	264
1-68733	20	1.18	8150	13	0.05	<5	65.4	0.18	49	>10000
1-68734	40	0.36	4630	19	0.03	<5	104	0.10	35	3850
1-68735	40	0.50	10100	15	0.07	<5	47.4	0.21	63	3230
1-68736	40	1.59	10400	19	0.08	11	499	0.29	84	7840
1-68737	30	0.81	4920	18	0.07	5	76.4	0.24	63	1930
1-68738	30	0.75	2420	18	0.07	7	91.9	0.26	77	4560
1-68739	<10	2.04	40	<5	<0.01	<5	4460	<0.01	<5	5
1-68740	40	1.63	22900	51	0.09	17	228	0.45	145	281
1-68741	40	0.26	32000	25	0.08	10	427	0.28	93	225
1-68742	40	0.85	45900	48	0.10	17	92.1	0.45	154	822
1-68743	20	1.01	9740	17	0.10	10	125	0.32	95	141
1-68744	<10	0.84	430	68	0.03	<5	46.9	0.04	63	>10000
1-68745	20	0.81	28000	13	0.07	7	54.0	0.23	84	134
1-68746	20	0.86	8350	16	0.10	10	97.2	0.34	106	119
1-68747	20	0.97	3560	16	0.10	10	156	0.34	108	124
1-68748	20	1.12	36700	13	0.05	<5	49.6	0.16	59	>10000
1-68749	20	1.15	4720	19	0.11	11	189	0.35	112	264
1-68750	20	1.13	4590	19	0.10	10	182	0.34	108	252
1-68751	70	1.07	1460	19	0.10	10	404	0.34	102	151
1-68752	20	0.37	6800	6	0.07	<5	316	0.20	26	3220
1-68753	30	0.46	5330	12	0.05	<5	515	0.10	18	8830
1-68754	<10	1.98	50	<5	<0.01	<5	4640	<0.01	<5	<5
1-68755	20	0.32	4390	10	0.04	<5	127	0.15	29	3640
1-68756	10	0.31	13500	9	0.04	<5	66.5	0.16	18	2220
1-68757	<10	0.35	23000	6	0.04	<5	54.3	0.16	14	270
1-68758	<10	0.26	26300	19	0.05	6	31.9	0.23	64	3960
1-68759	80	0.89	32100	33	0.07	10	473	0.30	99	6640
1-68760	40	0.66	25000	24	0.08	9	904	0.29	94	5640
1-68761	40	1.20	27000	16	0.05	6	738	0.18	59	1250
1-68762	<10	0.85	440	63	0.03	<5	45.8	0.04	60	>10000
1-68763	20	1.32	6250	26	0.03	9	323	0.23	54	234
1-68764	30	1.25	3280	25	0.10	11	335	0.35	104	2130
1-68765	20	1.19	2370	27	0.11	13	521	0.45	126	186
1-68766	60	0.95	5220	22	0.10	10	199	0.34	100	4570
1-68767	50	1.24	6150	19	0.07	7	237	0.24	72	5600
1-68768	70	1.39	5210	15	0.10	11	319	0.36	104	2730
1-68769	50	1.11	4170	18	0.10	11	159	0.34	95	1440

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Element Method Det.Lim. Units	Li ICM90A 10 ppm	Mg ICM90A 0.01 %	Mn ICM90A 10 ppm	Ni ICM90A 5 ppm	P ICM90A 0.01 %	Sc ICM90A 5 ppm	Sr ICM90A 0.1 ppm	Ti ICM90A 0.01 %	V ICM90A 5 ppm	Zn ICM90A 5 ppm
1-68770	40	0.79	16700	19	0.10	11	143	0.37	87	1490
1-68771	20	0.86	20700	21	0.06	8	222	0.24	68	>10000
1-68772	30	0.89	22200	21	0.06	8	248	0.25	69	>10000
1-68773	10	0.52	34800	16	0.11	12	1620	0.36	93	1850
1-68774	<10	1.91	90	<5	<0.01	<5	4800	<0.01	<5	25
1-68775	40	0.28	15900	17	0.04	<5	346	0.16	50	>10000
1-68776	20	0.69	52500	13	0.04	<5	142	0.15	52	>10000
1-68777	20	0.45	27000	17	0.08	8	40.9	0.26	92	1320
1-68778	20	0.52	33400	15	0.09	9	48.5	0.31	104	1870
1-68779	<10	0.89	420	66	0.03	<5	44.6	0.04	60	>10000
1-68780	80	0.77	5100	19	0.09	10	122	0.34	109	1640
1-68781	40	0.87	8070	16	0.06	9	90.6	0.29	87	2660
1-68782	30	0.96	23500	18	0.03	<5	281	0.13	42	1480
1-68783	20	1.13	23000	16	0.03	<5	271	0.12	43	3150
1-68784	50	2.12	15400	11	0.09	<5	1600	0.13	44	2130
1-68785	30	1.19	12300	12	0.03	<5	415	0.10	37	>10000
1-68786	20	0.54	27400	14	0.09	10	221	0.32	93	>10000
1-68787	10	0.44	44100	17	0.07	8	115	0.27	80	>10000
1-68788	40	0.99	33400	21	0.11	12	115	0.41	109	1270
1-68789	<10	0.83	420	66	0.04	<5	43.5	0.04	61	>10000
1-68790	50	1.18	16400	18	0.11	12	135	0.39	115	1740
1-68791	30	0.50	47800	18	0.06	6	134	0.21	68	>10000
1-68792	20	0.84	34200	18	0.12	13	65.8	0.42	128	2710

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Element	Ag	As	Bi	Cd	Ce	Co	Cs	Dy	Er	Eu
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	1	5	0.1	0.2	0.1	0.5	0.1	0.05	0.05	0.05
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68727	21	34	21.1	159	7.7	22.0	3.4	0.88	0.60	0.45
1-68728	4	6	6.5	19.9	26.5	21.9	14.2	2.92	1.76	1.11
1-68729	3	10	4.5	20.0	25.9	19.0	9.4	2.64	1.59	1.12
1-68730	152	1020	57.3	505	12.2	30.2	0.8	1.43	0.83	0.72
1-68731	9	45	0.3	42.5	24.8	18.9	8.7	2.74	1.66	1.01
1-68732	<1	11	0.1	0.7	41.0	12.5	9.8	2.14	0.91	1.25
1-68733	20	42	23.9	85.7	17.0	12.4	8.3	1.49	0.90	0.58
1-68734	21	883	11.7	18.8	17.2	12.1	5.3	0.86	0.45	0.76
1-68735	3	14	1.4	13.9	37.3	5.4	11.3	2.17	1.33	1.05
1-68736	4	42	1.5	33.9	27.6	9.7	14.4	2.27	1.18	1.22
1-68737	2	26	0.2	9.6	36.1	7.2	14.3	2.25	1.31	0.97
1-68738	2	11	<0.1	22.9	32.5	8.4	16.0	2.12	1.38	0.91
1-68739	<1	<5	<0.1	<0.2	0.2	<0.5	0.2	<0.05	<0.05	<0.05
1-68740	<1	20	<0.1	0.5	24.2	20.4	16.0	2.59	1.43	1.30
1-68741	1	673	<0.1	0.9	16.1	11.6	11.1	1.45	0.81	1.12
1-68742	2	225	0.1	3.1	24.4	20.9	18.9	2.65	1.55	2.08
1-68743	<1	9	<0.1	<0.2	29.5	10.2	9.0	2.22	1.36	1.00
1-68744	151	1050	58.0	508	11.8	29.9	0.9	1.38	0.87	0.67
1-68745	<1	17	0.1	0.7	23.8	8.3	8.2	1.91	1.03	1.03
1-68746	<1	12	<0.1	<0.2	29.1	9.6	7.5	2.27	1.24	1.05
1-68747	<1	7	<0.1	<0.2	33.1	9.4	9.7	2.45	1.60	1.00
1-68748	19	86	0.2	115	17.3	28.0	4.8	1.45	0.83	0.84
1-68749	6	5	<0.1	0.4	36.3	11.2	7.9	2.58	1.65	1.08
1-68750	5	<5	<0.1	0.3	34.9	10.4	7.5	2.57	1.56	1.05
1-68751	<1	17	<0.1	0.3	32.8	11.8	21.1	2.35	1.39	0.98
1-68752	2	37	1.4	13.1	34.6	4.1	13.6	2.54	1.51	0.95
1-68753	25	325	21.2	39.1	20.8	27.4	6.9	1.33	0.80	0.44
1-68754	<1	<5	<0.1	<0.2	0.1	<0.5	0.2	<0.05	<0.05	<0.05
1-68755	3	19	2.2	14.2	26.2	6.2	5.0	1.62	0.99	0.52
1-68756	4	44	1.1	9.5	36.6	5.0	10.2	2.04	1.32	0.81
1-68757	2	66	0.3	1.1	40.5	2.9	9.9	2.23	1.34	0.90
1-68758	15	194	9.3	17.1	21.5	14.7	7.6	1.61	1.00	0.64
1-68759	13	1530	6.6	28.5	26.2	20.0	61.1	1.97	1.10	1.01
1-68760	10	578	6.4	24.5	23.0	24.0	39.5	1.77	1.05	0.91
1-68761	10	379	3.3	6.0	23.4	14.7	16.9	1.90	0.96	0.94
1-68762	155	1060	59.3	513	12.8	30.4	0.8	1.42	0.83	0.65
1-68763	1	70	0.3	1.6	28.0	9.2	29.4	2.14	1.31	0.85
1-68764	2	6	2.1	8.5	35.5	14.3	8.3	2.72	1.53	1.06
1-68765	<1	<5	<0.1	<0.2	46.2	15.2	24.0	3.08	1.89	1.32
1-68766	5	37	4.0	18.5	36.2	14.9	9.6	2.64	1.47	1.00
1-68767	6	345	3.5	24.6	25.7	12.2	10.0	1.95	1.08	0.79
1-68768	4	98	2.4	11.8	35.2	11.5	9.8	2.71	1.61	1.05
1-68769	7	207	<0.1	5.8	34.7	11.9	9.8	2.55	1.44	0.95

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Element Method Det.Lim. Units	Ag ICM90A 1 ppm	As ICM90A 5 ppm	Bi ICM90A 0.1 ppm	Cd ICM90A 0.2 ppm	Ce ICM90A 0.1 ppm	Co ICM90A 0.5 ppm	Cs ICM90A 0.1 ppm	Dy ICM90A 0.05 ppm	Er ICM90A 0.05 ppm	Eu ICM90A 0.05 ppm
1-68770	7	88	0.4	6.1	35.9	12.4	11.6	2.47	1.51	1.06
1-68771	136	2620	6.0	55.2	19.6	12.8	6.5	1.34	0.84	0.73
1-68772	71	2280	6.0	54.0	22.0	12.2	6.8	1.52	0.91	0.84
1-68773	9	114	2.0	7.5	38.8	17.1	23.1	2.87	1.62	1.34
1-68774	2	6	<0.1	<0.2	0.2	<0.5	0.2	<0.05	<0.05	<0.05
1-68775	380	9400	261	118	20.4	16.6	9.9	1.35	0.77	0.72
1-68776	547	1680	492	90.4	21.5	13.6	6.1	3.41	1.42	1.10
1-68777	7	38	1.3	5.0	20.8	12.6	9.8	1.36	0.86	0.66
1-68778	8	24	1.7	7.6	32.4	10.8	11.5	2.28	1.42	1.15
1-68779	160	1080	58.6	510	12.2	29.8	0.9	1.41	0.86	0.67
1-68780	2	17	0.2	6.3	32.9	11.9	10.9	2.39	1.39	1.02
1-68781	5	18	6.3	11.1	29.0	8.2	13.6	1.83	1.19	0.72
1-68782	8	122	8.9	6.4	14.7	14.5	4.8	1.03	0.62	0.54
1-68783	13	117	16.4	11.9	15.4	14.6	4.7	1.20	0.70	0.51
1-68784	7	198	2.7	8.4	17.1	5.6	9.0	1.50	0.65	0.76
1-68785	62	843	64.3	289	11.7	39.9	5.9	1.09	0.63	0.40
1-68786	32	134	42.3	89.3	24.0	23.3	22.8	2.26	1.34	0.94
1-68787	37	482	5.8	56.8	30.6	14.0	10.7	2.42	1.32	1.08
1-68788	3	45	1.9	3.9	33.8	11.6	14.4	2.50	1.47	1.15
1-68789	146	1050	58.7	511	12.3	29.4	0.8	1.42	0.89	0.64
1-68790	4	478	1.0	6.9	37.1	14.5	14.3	2.83	1.64	1.13
1-68791	87	2010	41.1	83.7	23.1	14.1	10.4	2.26	1.26	1.02
1-68792	3	44	1.1	11.0	39.8	10.3	15.3	2.78	1.71	1.56

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1-68727	6	1.08	<1	<1	0.26	6.2	3.8	0.41	120	<1
1-68728	17	3.29	<1	2	0.68	0.6	11.6	0.36	2	2
1-68729	16	3.22	1	2	0.59	0.6	11.7	0.31	3	2
1-68730	16	1.36	4	<1	0.35	6.6	7.2	0.18	36	<1
1-68731	16	3.19	1	2	0.61	0.4	11.0	0.28	<2	1
1-68732	19	3.10	1	3	0.40	<0.2	20.7	0.17	3	4
1-68733	11	1.60	1	2	0.32	1.5	8.4	0.16	16	1
1-68734	6	1.34	2	1	0.17	0.4	9.3	0.10	12	1
1-68735	15	2.65	2	4	0.48	0.3	18.7	0.30	4	3
1-68736	14	2.76	1	2	0.46	0.5	13.8	0.21	5	2
1-68737	16	2.67	2	3	0.49	<0.2	18.4	0.33	<2	3
1-68738	17	2.33	1	3	0.47	<0.2	16.1	0.24	<2	3
1-68739	<1	<0.05	<1	<1	<0.05	<0.2	0.2	<0.05	<2	<1
1-68740	19	2.93	<1	2	0.53	<0.2	11.4	0.23	<2	2
1-68741	12	1.93	2	1	0.30	0.4	8.1	0.15	<2	1
1-68742	20	3.19	1	2	0.57	0.8	11.4	0.22	<2	2
1-68743	17	2.63	1	3	0.50	<0.2	14.1	0.23	<2	2
1-68744	16	1.34	4	<1	0.29	6.5	7.2	0.14	37	<1
1-68745	14	2.27	1	2	0.38	0.2	11.8	0.16	<2	2
1-68746	15	2.55	1	3	0.43	<0.2	13.6	0.21	<2	3
1-68747	17	2.87	1	3	0.50	<0.2	16.0	0.27	<2	2
1-68748	13	1.75	1	1	0.29	<0.2	8.3	0.18	3	1
1-68749	18	2.93	<1	3	0.56	<0.2	17.5	0.28	<2	2
1-68750	17	2.88	<1	3	0.54	<0.2	16.7	0.31	<2	2
1-68751	17	2.77	3	3	0.49	<0.2	15.7	0.23	<2	2
1-68752	15	2.85	1	3	0.55	0.3	17.4	0.28	<2	3
1-68753	9	1.63	2	2	0.27	1.9	10.2	0.17	14	2
1-68754	<1	<0.05	<1	<1	<0.05	<0.2	<0.1	<0.05	<2	<1
1-68755	11	2.10	1	2	0.34	0.5	12.6	0.20	7	2
1-68756	16	2.24	2	4	0.46	0.5	18.6	0.26	3	4
1-68757	16	2.36	1	4	0.45	0.5	20.6	0.27	<2	3
1-68758	12	2.10	1	2	0.33	1.8	11.3	0.16	4	2
1-68759	15	2.42	2	2	0.43	1.5	13.3	0.20	7	2
1-68760	14	2.27	2	2	0.34	2.8	11.4	0.16	25	1
1-68761	11	2.19	2	1	0.36	1.1	11.6	0.20	36	1
1-68762	16	1.62	4	<1	0.29	6.5	7.6	0.25	37	<1
1-68763	17	2.24	1	2	0.46	<0.2	13.1	0.23	<2	2
1-68764	17	2.96	<1	3	0.55	<0.2	17.5	0.26	3	3
1-68765	21	3.68	<1	4	0.63	<0.2	22.9	0.32	<2	3
1-68766	18	2.80	1	3	0.53	<0.2	18.3	0.23	7	2
1-68767	13	2.22	2	2	0.36	<0.2	12.2	0.18	7	2
1-68768	21	3.01	1	3	0.54	<0.2	15.9	0.29	6	3
1-68769	15	2.95	2	2	0.52	<0.2	16.5	0.71	3	2

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1-68770	18	2.94	2	3	0.52	<0.2	17.3	0.26	3	2
1-68771	12	1.60	1	1	0.29	1.3	10.1	0.15	3	1
1-68772	12	1.89	1	2	0.31	1.2	10.8	0.15	2	1
1-68773	20	3.45	1	3	0.57	0.6	19.2	0.26	<2	2
1-68774	<1	<0.05	<1	<1	<0.05	<0.2	0.1	<0.05	<2	<1
1-68775	10	1.80	2	1	0.29	3.7	10.1	0.12	2	1
1-68776	13	2.92	1	1	0.63	6.2	10.5	0.17	3	<1
1-68777	15	1.84	<1	2	0.30	0.5	10.6	0.17	3	1
1-68778	19	2.70	<1	2	0.49	<0.2	16.1	0.24	<2	2
1-68779	17	1.49	4	<1	0.30	6.6	7.4	0.12	37	<1
1-68780	18	2.68	1	3	0.48	<0.2	16.4	0.23	<2	2
1-68781	16	2.15	1	2	0.40	0.4	15.6	0.20	23	2
1-68782	7	1.35	1	<1	0.24	1.6	8.0	0.09	150	<1
1-68783	8	1.47	1	<1	0.22	2.0	8.4	0.11	165	<1
1-68784	7	1.86	2	<1	0.27	0.4	9.1	0.10	11	<1
1-68785	6	1.10	2	<1	0.22	23.6	6.1	0.09	53	<1
1-68786	16	2.35	1	2	0.49	5.8	12.0	0.23	21	2
1-68787	18	2.50	1	2	0.49	2.6	16.2	0.21	20	2
1-68788	18	2.83	1	3	0.52	0.3	17.0	0.29	3	3
1-68789	16	1.46	4	<1	0.30	6.6	7.4	0.17	38	<1
1-68790	21	3.23	1	3	0.59	<0.2	18.3	0.27	2	2
1-68791	15	2.52	1	2	0.45	6.2	12.4	0.18	56	1
1-68792	25	3.52	1	3	0.57	0.3	20.0	0.28	<2	2

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Element	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68727	4.8	1300	1.21	60.0	5.6	1.2	<1	<0.5	0.25	0.7
1-68728	16.9	711	3.96	126	2.0	3.7	<1	<0.5	0.58	1.6
1-68729	16.4	730	3.68	105	2.3	3.6	<1	<0.5	0.53	1.4
1-68730	6.2	>10000	1.65	14.7	177	1.4	139	<0.5	0.26	1.2
1-68731	15.9	5540	3.69	149	4.7	3.4	<1	<0.5	0.46	1.4
1-68732	21.6	123	5.41	134	2.4	4.1	<1	<0.5	0.44	5.8
1-68733	9.0	7320	2.30	106	6.3	1.7	<1	<0.5	0.27	2.0
1-68734	8.9	6480	2.36	59.1	22.8	1.8	<1	<0.5	0.16	1.1
1-68735	19.2	1390	4.89	183	5.1	3.3	<1	<0.5	0.39	3.4
1-68736	14.9	2210	3.69	137	4.8	3.1	<1	<0.5	0.38	1.9
1-68737	17.4	790	4.53	158	5.6	3.1	<1	<0.5	0.39	3.1
1-68738	16.0	459	4.11	131	4.9	2.9	<1	<0.5	0.37	3.2
1-68739	0.2	<5	<0.05	1.3	<0.1	<0.1	<1	<0.5	<0.05	<0.1
1-68740	14.9	178	3.53	171	2.2	3.2	<1	<0.5	0.46	1.8
1-68741	10.0	272	2.35	134	20.3	2.2	<1	<0.5	0.25	1.1
1-68742	14.7	436	3.44	216	15.4	3.2	<1	<0.5	0.44	1.8
1-68743	15.4	36	3.92	161	3.3	3.1	<1	<0.5	0.38	2.8
1-68744	6.2	>10000	1.65	15.6	204	1.4	149	<0.5	0.22	1.2
1-68745	13.3	77	3.21	152	7.9	2.7	<1	<0.5	0.36	2.1
1-68746	16.1	22	3.96	156	5.9	3.0	<1	<0.5	0.38	3.0
1-68747	17.6	21	4.49	142	1.9	3.4	<1	<0.5	0.43	3.1
1-68748	9.2	>10000	2.33	75.2	4.8	1.9	<1	<0.5	0.24	1.5
1-68749	19.2	174	4.73	134	2.9	3.6	<1	<0.5	0.44	3.2
1-68750	18.1	161	4.51	127	2.8	3.6	<1	<0.5	0.45	3.1
1-68751	17.2	82	4.16	94.0	2.4	3.2	<1	<0.5	0.42	3.0
1-68752	18.8	722	4.91	178	2.6	3.5	<1	<0.5	0.41	3.1
1-68753	11.1	1030	2.89	75.6	9.6	1.9	<1	<0.5	0.24	1.6
1-68754	<0.1	<5	<0.05	0.9	<0.1	<0.1	<1	<0.5	<0.05	<0.1
1-68755	13.5	188	3.45	119	4.3	2.6	<1	<0.5	0.32	2.2
1-68756	17.6	497	4.65	173	5.9	2.9	<1	<0.5	0.36	3.8
1-68757	18.8	139	5.10	162	6.3	3.2	<1	<0.5	0.37	3.8
1-68758	11.6	731	2.98	124	8.3	2.2	<1	<0.5	0.29	1.5
1-68759	14.7	1810	3.63	110	11.9	2.9	<1	<0.5	0.36	1.9
1-68760	12.8	785	3.23	123	8.1	2.6	<1	<0.5	0.34	1.6
1-68761	12.3	573	3.05	108	9.5	2.5	<1	<0.5	0.31	1.5
1-68762	6.7	>10000	1.75	15.3	175	1.3	143	<0.5	0.24	1.2
1-68763	13.7	129	3.53	177	2.8	2.6	<1	<0.5	0.37	2.5
1-68764	18.6	610	4.64	129	1.4	3.6	<1	<0.5	0.48	3.2
1-68765	23.2	107	5.92	141	1.5	4.5	<1	<0.5	0.57	3.9
1-68766	18.6	2550	4.74	178	3.2	3.7	<1	<0.5	0.45	3.1
1-68767	13.9	2400	3.44	153	7.3	2.7	<1	<0.5	0.33	2.2
1-68768	19.0	1690	4.70	178	3.5	3.7	<1	<0.5	0.46	3.4
1-68769	18.9	1190	4.66	172	7.0	3.4	<1	<0.5	0.44	3.2

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Element	Nd	Pb	Pr	Rb	Sb	Sm	Sn	Ta	Tb	Th
Method	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A
Det.Lim.	0.1	5	0.05	0.2	0.1	0.1	1	0.5	0.05	0.1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1-68770	18.5	973	4.70	229	6.0	3.6	<1	<0.5	0.42	3.3
1-68771	10.5	>10000	2.65	168	80.9	1.9	<1	<0.5	0.23	1.6
1-68772	11.2	>10000	2.89	171	44.8	2.2	<1	<0.5	0.26	1.8
1-68773	20.4	2420	5.19	239	9.1	4.0	<1	<0.5	0.50	3.3
1-68774	0.1	50	<0.05	1.6	0.2	<0.1	<1	<0.5	<0.05	<0.1
1-68775	10.7	>10000	2.66	114	119	2.1	<1	<0.5	0.26	1.5
1-68776	11.4	>10000	2.90	117	81.5	2.7	<1	<0.5	0.55	1.4
1-68777	11.0	877	2.84	169	6.2	2.0	<1	<0.5	0.26	2.0
1-68778	17.1	921	4.26	213	4.8	3.3	<1	<0.5	0.41	2.8
1-68779	6.5	>10000	1.69	16.1	169	1.5	133	<0.5	0.23	1.2
1-68780	17.6	864	4.43	184	3.0	3.2	<1	<0.5	0.40	3.0
1-68781	14.4	389	3.65	156	2.8	2.7	<1	<0.5	0.31	2.6
1-68782	7.6	386	1.96	76.3	21.0	1.5	<1	<0.5	0.21	1.0
1-68783	7.9	474	2.03	77.2	17.0	1.6	<1	<0.5	0.21	1.0
1-68784	10.6	975	2.41	82.6	4.9	2.0	<1	<0.5	0.26	0.9
1-68785	6.6	>10000	1.56	74.0	14.8	1.4	<1	<0.5	0.18	0.9
1-68786	13.5	1650	3.36	198	5.7	2.8	<1	<0.5	0.36	2.4
1-68787	16.2	2270	4.05	199	9.6	3.3	<1	<0.5	0.40	2.4
1-68788	18.3	562	4.65	243	4.6	3.4	<1	<0.5	0.43	2.9
1-68789	6.6	>10000	1.69	15.1	159	1.4	124	<0.5	0.24	1.1
1-68790	20.0	786	4.95	283	6.4	3.9	<1	<0.5	0.49	3.5
1-68791	12.9	7360	3.21	152	56.2	2.8	1	<0.5	0.40	2.0
1-68792	22.1	1650	5.52	320	3.7	4.3	1	<0.5	0.50	3.8

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Element Method Det.Lim. Units	Ti ICM90A 0.5 ppm	Tm ICM90A 0.05 ppm	U ICM90A 0.05 ppm	W ICM90A 1 ppm	Y ICM90A 0.5 ppm	Yb ICM90A 0.1 ppm	Zr ICM90A 0.5 ppm	Cu ICP90Q 0.01 %	Pb ICP90Q 0.01 %	Zn ICP90Q 0.01 %
1-68727	0.8	0.18	0.32	4	4.5	0.5	23.1	N.A.	N.A.	3.51
1-68728	1.6	0.33	0.73	6	14.5	1.7	77.3	N.A.	N.A.	N.A.
1-68729	1.4	0.29	0.69	4	14.4	1.5	76.1	N.A.	N.A.	N.A.
1-68730	32.8	0.16	3.89	2	8.6	0.8	22.5	1.26	1.49	10.1
1-68731	2.0	0.24	0.70	2	14.2	1.5	73.7	N.A.	N.A.	1.04
1-68732	1.8	0.15	2.71	3	9.3	0.8	104	N.A.	N.A.	N.A.
1-68733	1.5	0.14	0.85	2	8.2	0.9	69.4	N.A.	N.A.	1.99
1-68734	0.6	0.07	0.56	6	4.1	0.4	39.0	N.A.	N.A.	N.A.
1-68735	1.5	0.23	1.68	7	11.8	1.5	152	N.A.	N.A.	N.A.
1-68736	1.3	0.19	0.90	6	11.8	1.1	82.4	N.A.	N.A.	N.A.
1-68737	1.7	0.22	1.38	2	12.8	1.3	126	N.A.	N.A.	N.A.
1-68738	1.4	0.21	1.47	1	11.5	1.4	127	N.A.	N.A.	N.A.
1-68739	<0.5	<0.05	1.36	<1	<0.5	<0.1	1.9	N.A.	N.A.	N.A.
1-68740	1.2	0.22	0.77	3	13.0	1.3	84.1	N.A.	N.A.	N.A.
1-68741	0.9	0.12	0.48	4	7.2	0.8	49.8	N.A.	N.A.	N.A.
1-68742	1.3	0.22	0.81	7	14.4	1.4	77.1	N.A.	N.A.	N.A.
1-68743	1.4	0.20	1.26	2	12.0	1.4	100	N.A.	N.A.	N.A.
1-68744	33.3	0.12	3.92	2	7.9	0.8	23.9	1.25	1.47	9.73
1-68745	1.1	0.16	1.01	2	9.9	1.0	80.1	N.A.	N.A.	N.A.
1-68746	1.3	0.19	1.45	2	11.4	1.3	115	N.A.	N.A.	N.A.
1-68747	1.8	0.21	1.74	2	13.3	1.5	110	N.A.	N.A.	N.A.
1-68748	0.8	0.11	0.94	2	8.1	0.8	54.2	N.A.	1.10	1.65
1-68749	2.0	0.23	1.58	1	14.0	1.6	122	N.A.	N.A.	N.A.
1-68750	1.9	0.24	1.52	1	13.5	1.4	115	N.A.	N.A.	N.A.
1-68751	1.3	0.20	1.37	8	12.5	1.4	110	N.A.	N.A.	N.A.
1-68752	1.5	0.25	0.69	3	14.7	1.6	118	N.A.	N.A.	N.A.
1-68753	0.9	0.11	0.46	3	7.1	0.8	70.9	N.A.	N.A.	N.A.
1-68754	<0.5	<0.05	1.36	<1	<0.5	<0.1	0.9	N.A.	N.A.	N.A.
1-68755	1.1	0.16	0.91	3	9.6	1.1	96.5	N.A.	N.A.	N.A.
1-68756	1.2	0.21	1.66	5	12.6	1.5	176	N.A.	N.A.	N.A.
1-68757	1.4	0.22	1.54	4	12.3	1.5	167	N.A.	N.A.	N.A.
1-68758	1.0	0.15	0.65	8	9.1	1.0	74.2	N.A.	N.A.	N.A.
1-68759	0.9	0.17	0.78	9	10.2	1.1	81.3	N.A.	N.A.	N.A.
1-68760	1.1	0.15	0.68	8	9.1	0.9	69.0	N.A.	N.A.	N.A.
1-68761	1.1	0.14	0.68	6	9.2	0.9	54.1	N.A.	N.A.	N.A.
1-68762	33.9	0.12	4.02	2	8.3	0.8	24.6	1.25	1.47	9.64
1-68763	1.4	0.22	1.27	3	11.8	1.3	77.5	N.A.	N.A.	N.A.
1-68764	1.4	0.23	1.16	2	14.0	1.5	117	N.A.	N.A.	N.A.
1-68765	1.8	0.28	1.33	1	16.6	2.0	142	N.A.	N.A.	N.A.
1-68766	2.0	0.21	1.07	4	13.2	1.4	115	N.A.	N.A.	N.A.
1-68767	1.5	0.16	0.90	4	9.6	1.0	72.9	N.A.	N.A.	N.A.
1-68768	2.0	0.23	1.29	4	14.3	1.5	124	N.A.	N.A.	N.A.
1-68769	2.4	0.23	1.28	18	13.0	1.5	111	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Ti	Tm	U	W	Y	Yb	Zr	Cu	Pb	Zn
	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICM90A	ICP90Q	ICP90Q	ICP90Q
	0.5	0.05	0.05	1	0.5	0.1	0.5	0.01	0.01	0.01
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
1-68770	2.5	0.23	1.18	7	13.4	1.5	119	N.A.	N.A.	N.A.
1-68771	1.6	0.12	0.73	8	7.3	0.8	51.8	N.A.	2.97	1.38
1-68772	1.7	0.14	0.79	7	8.3	0.9	60.8	N.A.	1.44	1.36
1-68773	2.0	0.24	1.28	10	14.6	1.6	114	N.A.	N.A.	N.A.
1-68774	<0.5	<0.05	1.36	<1	<0.5	<0.1	1.4	N.A.	N.A.	N.A.
1-68775	1.4	0.13	0.73	7	7.5	0.8	50.7	N.A.	4.19	2.42
1-68776	1.1	0.19	0.74	6	16.9	1.1	49.8	N.A.	2.67	1.84
1-68777	1.4	0.13	1.02	6	7.6	0.9	66.9	N.A.	N.A.	N.A.
1-68778	1.9	0.21	1.48	5	12.5	1.4	99.0	N.A.	N.A.	N.A.
1-68779	33.2	0.12	3.90	2	8.1	0.7	21.9	1.17	1.36	9.28
1-68780	2.6	0.21	1.79	3	12.4	1.3	106	N.A.	N.A.	N.A.
1-68781	1.5	0.18	1.02	12	10.1	1.1	84.7	N.A.	N.A.	N.A.
1-68782	0.6	0.09	0.48	8	6.0	0.6	37.1	N.A.	N.A.	N.A.
1-68783	0.7	0.09	0.47	8	6.3	0.6	32.9	N.A.	N.A.	N.A.
1-68784	0.7	0.09	0.48	3	7.4	0.6	26.6	N.A.	N.A.	N.A.
1-68785	0.8	0.09	0.44	4	6.0	0.5	32.0	N.A.	1.13	6.36
1-68786	1.7	0.19	0.83	7	12.5	1.3	76.3	N.A.	N.A.	2.28
1-68787	1.6	0.18	0.74	10	12.7	1.3	83.9	N.A.	N.A.	1.35
1-68788	1.4	0.21	0.99	8	13.1	1.3	114	N.A.	N.A.	N.A.
1-68789	33.1	0.12	3.97	1	8.4	0.8	20.6	1.25	1.46	9.52
1-68790	2.8	0.24	1.26	5	14.5	1.6	118	N.A.	N.A.	N.A.
1-68791	1.2	0.17	0.64	6	11.7	1.1	65.1	N.A.	N.A.	1.88
1-68792	2.6	0.25	1.42	6	15.3	1.6	127	N.A.	N.A.	N.A.

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Acme Analytical Laboratories (Vancouver) Ltd.

PHONE (604) 253-3158

**Client:** **Lowprofile Ventures Ltd.**  
P.O. Box 704  
Houston BC V0J 1Z0 Canada

Submitted By: Gary Thompson  
Receiving Lab: Canada-Smithers  
Received: December 07, 2012  
Report Date: December 28, 2012  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

SMI12000573.1

### CLIENT JOB INFORMATION

Project: Miya  
Shipment ID:  
P.O. Number  
Number of Samples: 30

### SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Lowprofile Ventures Ltd.  
P.O. Box 704  
Houston BC V0J 1Z0  
Canada

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	1	Crush, split and pulverize 250 g rock to 200 mesh			SMI
P200	28	Pulverize to 85% passing 200 mesh			VAN
RIFL2	28	Split samples by riffle splitter			SMI
7TX1	30	4 Acid Digestion Analysis by ICP-ES/ICP-MS	0.5	Completed	VAN
G601	30	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
7TD.1	2	4 Acid digestion ICP-ES analysis	0.1	Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

# CERTIFICATE OF ANALYSIS

SMI12000573.1

		Method	WGHT	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	
		Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.5	0.5	0.5	5	0.5	0.5	1	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.01
G1-SMI	Prep Blank		<0.01	<0.5	9.4	58.0	138	<0.5	9.7	6	827	2.41	<5	1.8	6.3	702	<0.5	<0.5	1.1	53	2.53	0.07
G1-SMI	Prep Blank		<0.01	0.6	4.3	29.8	71	<0.5	6.9	3	800	2.27	<5	2.0	5.5	699	<0.5	<0.5	<0.5	48	2.26	0.08
1 68320	Core Reject		1.54	16.5	2427	10939	54708	74.0	6.2	25	18427	3.41	23	<0.5	<0.5	116	252.8	17.1	59.3	<10	0.69	0.01
1 68329	Core Reject		1.13	5.7	1126	2070	6197	37.6	15.6	13	13429	4.25	4344	<0.5	0.9	379	30.6	46.2	11.0	48	1.27	0.04
1 68344	Core Reject		1.34	10.6	741.9	4932	6990	31.9	8.9	13	25501	3.74	356	0.8	2.4	1064	31.3	18.9	11.9	30	0.44	0.08
1 68350	Core Reject		4.02	16.8	24841	62401	153300	>300	18.5	20	34133	14.40	2334	<0.5	<0.5	124	727.4	627.7	148.8	<10	0.93	<0.01
1 68354	Core Reject		1.64	37.2	12785	9640	2816	>300	10.3	9	132533	9.80	69	<0.5	1.2	331	20.2	62.3	381.2	13	0.61	0.02
1 68425	Core Reject		2.46	15.2	5331	68046	65635	>300	15.2	21	31158	7.58	3838	<0.5	0.8	46	320.9	961.7	31.7	43	1.51	0.01
1 68426	Core Reject		1.45	17.2	6272	58057	3488	285.4	15.9	15	113026	10.22	2365	<0.5	<0.5	59	20.5	129.8	101.5	27	1.01	<0.01
1 68437	Core Reject		0.81	553.2	5548	4601	137020	142.1	11.4	69	5138	6.28	55	<0.5	0.5	24	698.1	9.5	250.3	38	1.15	0.01
1 68451	Core Reject		3.18	29.2	14591	49574	137243	>300	16.2	26	57420	11.48	3807	<0.5	<0.5	52	633.4	239.5	56.4	<10	1.25	<0.01
1 68454	Core Reject		2.21	17.5	4834	58096	70235	>300	19.8	16	24310	5.32	865	<0.5	<0.5	57	334.5	131.9	16.7	31	2.33	0.02
1 68471	Core Reject		2.88	113.0	8558	43984	82612	>300	18.3	28	64888	9.38	573	<0.5	<0.5	46	389.7	210.8	111.0	16	0.92	<0.01
1 68472	Core Reject		2.62	41.9	13266	>100000	114885	>300	13.4	30	95863	10.46	278	<0.5	<0.5	8	541.8	541.7	809.6	14	0.46	<0.01
1 68484	Core Reject		2.57	437.2	13003	17417	45882	274.7	18.3	25	117713	11.83	3848	<0.5	<0.5	37	217.3	140.7	85.4	24	1.58	<0.01
1 68485	Core Reject		2.64	334.1	9615	64784	117243	>300	10.7	46	39220	9.40	3580	<0.5	<0.5	19	617.0	635.7	113.7	30	0.46	0.01
1 68488	Core Reject		1.79	74.4	8384	5432	182150	185.4	15.2	126	8350	10.13	25	<0.5	1.2	135	983.6	6.7	203.2	72	0.26	0.04
1 68494	Core Reject		2.95	21.2	12781	82229	105535	>300	19.0	35	65753	9.20	688	<0.5	0.7	18	523.0	299.4	164.4	43	0.74	0.03
1 68499	Core Reject		1.63	3.6	16283	73619	299944	>300	11.9	47	51807	8.41	911	<0.5	<0.5	9	1478	160.2	191.9	10	1.27	<0.01
1 68613	Core Reject		0.60	80.3	1887	414.2	103818	19.9	4.3	56	2494	5.24	36	<0.5	<0.5	46	508.8	7.2	8.3	18	2.11	<0.01
1 68629	Core Reject		1.49	44.5	329.7	3934	4752	43.0	14.7	15	10227	3.96	232	<0.5	0.8	1269	23.7	21.2	10.7	51	4.64	0.08
1 68633	Core Reject		4.68	13.1	1374	11259	30073	53.3	16.3	16	29718	4.47	122	1.0	1.9	548	140.6	26.3	16.6	82	1.10	0.08
1 68634	Core Reject		2.89	31.5	3864	22263	8667	68.8	20.1	14	59048	6.06	66	0.7	1.7	612	38.1	29.0	16.0	62	1.73	0.06
1 68646	Core Reject		1.82	11.6	7411	3807	43972	90.1	9.0	10	116386	9.21	1158	<0.5	<0.5	13	201.2	75.3	27.2	<10	0.43	<0.01
1 68647	Core Reject		2.65	13.7	16620	3200	59559	205.9	7.7	9	133671	10.84	875	<0.5	<0.5	72	276.1	159.9	16.9	<10	0.78	<0.01
1 68720	Core Reject		0.92	30.6	343.5	30406	17692	43.2	37.3	34	11880	12.27	78	<0.5	<0.5	18	78.8	28.7	23.6	90	1.02	0.09
1 68724	Core Reject		4.01	<0.5	70.8	267.3	468	2.1	49.5	21	3432	5.50	25	<0.5	1.7	358	2.2	7.9	<0.5	146	5.29	0.15
1 68791	Core Reject		2.67	64.6	8060	6000	22509	108.0	15.5	21	54299	7.77	1728	<0.5	0.9	125	101.1	90.6	40.8	55	1.12	0.06
1 68801	Rock Pulp		0.12	34.1	13141	15767	95299	174.8	66.3	32	407	19.04	1042	3.4	0.8	41	558.7	261.9	59.2	58	1.81	0.04
1 68802	Rock Pulp		0.11	34.3	12812	15415	92255	171.4	69.2	29	481	18.47	986	3.4	0.5	46	581.1	260.2	55.2	57	1.76	0.03

# CERTIFICATE OF ANALYSIS

SMI12000573.1

	Method	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX
	Analyte	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.5	1	0.01	5	0.001	0.01	0.01	0.01	0.5	0.5	5	0.5	0.5	0.5	0.5	5	1	0.5	0.05
G1-SMI	Prep Blank	18.1	15	0.73	1081	0.229	7.03	2.69	2.98	<0.5	16.0	41	<0.5	13.1	24.8	1.6	<5	5	33.9	0.06
G1-SMI	Prep Blank	18.4	9	0.61	1069	0.224	6.78	2.66	2.98	<0.5	16.0	42	0.7	12.0	25.1	1.5	<5	4	37.2	<0.05
1 68320	Core Reject	3.0	9	0.25	1809	0.036	1.69	<0.01	0.83	1.9	13.4	8	<0.5	4.1	0.7	<0.5	<5	<1	17.0	4.08
1 68329	Core Reject	6.8	19	0.37	363	0.168	4.04	0.03	1.56	5.3	59.2	15	<0.5	5.1	1.5	<0.5	<5	4	44.6	1.82
1 68344	Core Reject	24.6	6	0.45	423	0.260	9.08	0.04	4.53	10.8	62.4	51	<0.5	10.4	7.1	0.7	<5	4	22.4	1.81
1 68350	Core Reject	2.2	8	0.12	56	0.022	0.89	0.01	0.42	4.3	6.4	<5	<0.5	3.8	<0.5	<0.5	<5	<1	17.0	20.42
1 68354	Core Reject	6.5	6	0.37	133	0.074	2.83	0.02	1.39	5.6	26.4	15	<0.5	14.6	1.6	<0.5	<5	<1	13.7	2.42
1 68425	Core Reject	5.5	9	0.54	49	0.137	2.92	0.02	1.34	6.3	32.3	12	<0.5	4.2	1.6	<0.5	<5	4	32.6	8.63
1 68426	Core Reject	3.7	11	0.43	56	0.088	1.94	0.02	0.91	4.9	23.2	8	<0.5	10.7	0.7	<0.5	<5	2	24.6	3.47
1 68437	Core Reject	3.1	9	0.59	96	0.103	2.47	0.02	0.90	4.5	11.7	6	<0.5	3.8	0.6	<0.5	<5	2	40.5	9.98
1 68451	Core Reject	1.2	5	0.39	33	0.020	0.59	0.02	0.27	2.0	7.6	<5	<0.5	6.7	<0.5	<0.5	<5	<1	17.6	13.87
1 68454	Core Reject	2.7	27	0.64	53	0.093	2.08	0.02	0.87	4.6	13.7	6	<0.5	5.2	<0.5	<0.5	<5	3	26.8	7.14
1 68471	Core Reject	1.7	8	0.33	239	0.045	1.16	0.01	0.44	2.7	13.5	<5	<0.5	6.4	<0.5	<0.5	<5	<1	26.4	9.55
1 68472	Core Reject	1.4	8	0.24	26	0.041	1.08	0.14	0.35	2.4	24.2	<5	<0.5	11.7	<0.5	<0.5	<5	<1	7.2	10.40
1 68484	Core Reject	3.9	9	0.46	112	0.080	1.78	0.02	0.88	37.0	22.1	8	<0.5	12.5	0.7	<0.5	<5	2	15.4	6.34
1 68485	Core Reject	1.5	12	0.19	39	0.073	1.79	0.02	0.87	5.8	10.1	<5	<0.5	5.7	0.6	<0.5	<5	3	18.1	13.26
1 68488	Core Reject	5.3	14	0.85	86	0.205	4.84	0.02	1.44	7.8	64.3	13	1.1	5.6	1.5	<0.5	<5	5	108.8	9.55
1 68494	Core Reject	6.2	7	0.39	122	0.143	3.31	0.02	1.57	8.2	38.3	13	0.6	11.7	1.6	<0.5	<5	5	15.8	10.04
1 68499	Core Reject	2.3	4	0.39	120	0.036	1.01	0.01	0.44	3.2	6.6	6	0.5	7.5	<0.5	<0.5	<5	<1	10.3	16.19
1 68613	Core Reject	0.9	5	0.54	51	0.035	1.19	0.02	0.51	0.8	4.3	<5	<0.5	2.0	0.5	<0.5	<5	<1	20.9	8.02
1 68629	Core Reject	11.3	10	1.26	1268	0.176	4.29	0.11	1.76	3.7	76.4	23	<0.5	8.0	1.7	<0.5	<5	3	51.4	1.47
1 68633	Core Reject	11.7	13	0.53	241	0.275	6.63	0.04	3.18	8.0	60.5	25	<0.5	9.9	3.3	<0.5	<5	6	29.0	2.99
1 68634	Core Reject	10.1	16	0.67	154	0.213	5.21	0.04	2.39	7.0	66.4	21	<0.5	10.1	2.4	<0.5	<5	5	22.4	2.44
1 68646	Core Reject	6.3	5	0.25	109	0.058	2.26	0.02	1.11	4.9	22.5	14	<0.5	11.3	1.1	<0.5	<5	<1	20.0	4.07
1 68647	Core Reject	2.9	4	0.32	57	0.030	1.38	0.02	0.68	2.8	12.3	6	<0.5	16.1	<0.5	<0.5	<5	<1	20.3	5.25
1 68720	Core Reject	13.4	74	1.70	88	0.229	4.84	0.02	0.57	5.7	58.3	29	<0.5	5.3	1.5	<0.5	<5	7	61.1	3.32
1 68724	Core Reject	13.3	103	3.20	1869	0.452	8.92	1.18	2.43	0.7	45.0	29	<0.5	14.9	3.2	<0.5	<5	14	26.3	0.06
1 68791	Core Reject	9.3	16	0.49	82	0.226	5.70	0.02	2.43	6.3	41.3	21	<0.5	8.0	2.1	<0.5	<5	4	25.1	3.76
1 68801	Rock Pulp	7.2	25	0.91	132	0.039	1.40	0.03	0.46	1.8	16.6	11	116.3	6.9	1.3	<0.5	<5	2	6.9	23.99
1 68802	Rock Pulp	6.8	29	0.88	213	0.039	1.34	0.03	0.44	1.8	14.5	12	110.8	7.1	1.4	<0.5	<5	2	9.1	23.36





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Project: Miya  
Report Date: December 28, 2012

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## CERTIFICATE OF ANALYSIS

SMI12000573.1

Method	7TX	G6	7TD.1
Analyte	Hf	Au	Pb
Unit	ppm	ppm	%
MDL	0.5	0.005	0.02
G1-SMI	Prep Blank	0.9	<0.005
G1-SMI	Prep Blank	0.7	<0.005
1 68320	Core Reject	<0.5	0.052
1 68329	Core Reject	0.7	1.489
1 68344	Core Reject	1.4	0.256
1 68350	Core Reject	<0.5	4.747
1 68354	Core Reject	0.7	0.147
1 68425	Core Reject	1.3	6.193
1 68426	Core Reject	<0.5	2.978
1 68437	Core Reject	<0.5	0.126
1 68451	Core Reject	<0.5	7.112
1 68454	Core Reject	<0.5	2.278
1 68471	Core Reject	<0.5	1.592
1 68472	Core Reject	<0.5	3.827 14.51
1 68484	Core Reject	<0.5	3.057
1 68485	Core Reject	<0.5	5.254
1 68488	Core Reject	1.3	0.059
1 68494	Core Reject	1.0	1.788
1 68499	Core Reject	<0.5	1.942
1 68613	Core Reject	<0.5	0.077
1 68629	Core Reject	0.8	0.442
1 68633	Core Reject	1.9	0.094
1 68634	Core Reject	0.9	0.179
1 68646	Core Reject	1.0	2.067
1 68647	Core Reject	0.5	4.384
1 68720	Core Reject	0.5	0.070
1 68724	Core Reject	1.3	<0.005
1 68791	Core Reject	0.9	1.847
1 68801	Rock Pulp	0.5	2.347
1 68802	Rock Pulp	0.9	2.266



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## CERTIFICATE OF ANALYSIS

SMI12000573.1

	Method Analyte Unit MDL	WGHT	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	1	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
1 68803	Rock	1.18	<0.5	11.9	36.7	74	<0.5	1.4	<1	102	0.07	12	0.7	<0.5	4227	<0.5	0.5	<0.5	<10	35.74
M12GTSP03	Core Reject	17.93	15.6	11244	>100000	20148	>300	2.9	19	860	7.48	95	<0.5	<0.5	<5	115.9	141.3	166.4	<10	0.11



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## CERTIFICATE OF ANALYSIS

SMI12000573.1

	Method Analyte Unit MDL	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX
		La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.5	1	0.01	5	0.001	0.01	0.01	0.01	0.5	0.5	5	0.5	0.5	0.5	0.5	5	1	0.5	0.05
1 68803	Rock	1.4	3	1.76	8	<0.001	0.04	0.01	<0.01	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<5	<1	<0.5	0.12
M12GTSP03	Core Reject	4.0	2	0.10	120	0.041	1.65	0.02	0.61	2.8	10.9	9	2.0	3.7	0.7	<0.5	<5	<1	26.1	9.66



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**Project:** Miya  
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## CERTIFICATE OF ANALYSIS

SMI12000573.1

Method		7TX	G6	7TD.1
Analyte		Hf	Au	Pb
Unit		ppm	ppm	%
MDL		0.5	0.005	0.02
1 68803	Rock	<0.5	0.013	
M12GTSP03	Core Reject	<0.5	0.276	31.91

## QUALITY CONTROL REPORT

SMI12000573.1

	Method	WGHT	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.5	0.5	0.5	5	0.5	0.5	1	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.01
Pulp Duplicates																					
REP G1-SMI	QC		<0.5	3.2	29.1	73	<0.5	4.4	5	858	2.33	<5	2.1	7.4	726	<0.5	<0.5	<0.5	49	2.35	0.08
REP 1 68350	QC																				
M12GTSP03	Core Reject	17.93	15.6	11244	>100000	20148	>300	2.9	19	860	7.48	95	<0.5	<0.5	<5	115.9	141.3	166.4	<10	0.11	0.01
REP M12GTSP03	QC																				
Core Reject Duplicates																					
1 68350	Core Reject	4.02	16.8	24841	62401	153300	>300	18.5	20	34133	14.40	2334	<0.5	<0.5	124	727.4	627.7	148.8	<10	0.93	<0.01
DUP 1 68350	QC	<0.01	17.0	25023	62032	151433	>300	25.4	22	33963	14.32	1928	<0.5	<0.5	124	767.3	656.4	150.8	<10	0.94	<0.01
Reference Materials																					
STD CCU-1C	Standard																				
STD CZN-3	Standard																				
STD OXG99	Standard																				
STD OXG99	Standard																				
STD OXK94	Standard																				
STD OXK94	Standard																				
STD PTC-1A	Standard																				
STD SF-3T	Standard		316.3	7679	8499	11423	57.3	3497	179	4206	8.18	40	3.3	4.7	424	45.2	10.0	3.3	128	4.07	0.06
STD SF-3T	Standard		296.5	7624	8335	11162	56.3	3459	174	4031	8.05	49	3.1	4.0	417	53.7	8.5	6.1	121	3.99	0.06
STD OXK94 Expected																					
STD OXG99 Expected																					
STD SF-3T Expected			320	7723	9024	10940	52	3500	181	4275	8.2	40	4	4.7	430	49	10	4.8	128	4.05	0.06
STD PTC-1A Expected																					
STD CZN-3 Expected																					
STD CCU-1C Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.5	<0.5	8.0	11	<0.5	2.7	<1	7	<0.01	<5	<0.5	<0.5	<5	<0.5	0.6	<0.5	<10	<0.01	<0.01



## QUALITY CONTROL REPORT

SMI12000573.1

	Method	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX
	Analyte	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	Unit	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.5	1	0.01	5	0.001	0.01	0.01	0.01	0.5	0.5	5	0.5	0.5	0.5	0.5	5	1	0.5	0.05
Pulp Duplicates																				
REP G1-SMI	QC	20.8	9	0.64	1103	0.231	7.16	2.71	3.06	<0.5	16.3	45	<0.5	13.3	23.4	1.5	<5	5	37.1	<0.05
REP 1 68350	QC																			
M12GTSP03	Core Reject	4.0	2	0.10	120	0.041	1.65	0.02	0.61	2.8	10.9	9	2.0	3.7	0.7	<0.5	<5	<1	26.1	9.66
REP M12GTSP03	QC																			
Core Reject Duplicates																				
1 68350	Core Reject	2.2	8	0.12	56	0.022	0.89	0.01	0.42	4.3	6.4	<5	<0.5	3.8	<0.5	<0.5	<5	<1	17.0	20.42
DUP 1 68350	QC	2.2	4	0.13	60	0.021	0.88	0.01	0.40	5.6	5.5	5	<0.5	3.6	0.8	<0.5	<5	<1	18.1	20.13
Reference Materials																				
STD CCU-1C	Standard																			
STD CZN-3	Standard																			
STD OXG99	Standard																			
STD OXG99	Standard																			
STD OXK94	Standard																			
STD OXK94	Standard																			
STD PTC-1A	Standard																			
STD SF-3T	Standard	19.7	179	4.58	515	0.197	5.43	2.13	2.52	4.6	15.2	44	4.8	11.0	13.8	0.9	<5	5	20.2	4.13
STD SF-3T	Standard	19.1	169	4.47	582	0.193	5.31	2.10	2.46	3.9	13.9	40	4.0	10.8	14.3	0.7	<5	6	22.0	4.04
STD OXK94 Expected																				
STD OXG99 Expected																				
STD SF-3T Expected		18.5	190	4.6	580	0.19	5.43	2.06	2.47	4.3	14.8	43	6.3	11.5	15.1	0.7	2.4	7	24.5	3.8
STD PTC-1A Expected																				
STD CZN-3 Expected																				
STD CCU-1C Expected																				
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.5	2	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<5	<1	<0.5	<0.05



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Houston BC V0J 1Z0 Canada

**Project:** Miya  
**Report Date:** December 28, 2012

**Page:** 1 of 2

**Part:** 3 of 1

## QUALITY CONTROL REPORT

SMI12000573.1

Method		7TX	G6	7TD.1
Analyte		Hf	Au	Pb
Unit		ppm	ppm	%
MDL		0.5	0.005	0.02
Pulp Duplicates				
REP G1-SMI	QC	<0.5		
REP 1 68350	QC		4.534	
M12GTSP03	Core Reject	<0.5	0.276	31.91
REP M12GTSP03	QC			32.35
Core Reject Duplicates				
1 68350	Core Reject	<0.5	4.747	
DUP 1 68350	QC	<0.5	4.353	
Reference Materials				
STD CCU-1C	Standard			0.37
STD CZN-3	Standard			0.12
STD OXG99	Standard		0.955	
STD OXG99	Standard		0.960	
STD OXK94	Standard		3.703	
STD OXK94	Standard		3.547	
STD PTC-1A	Standard			0.06
STD SF-3T	Standard	0.6		
STD SF-3T	Standard	0.8		
STD OXK94 Expected			3.562	
STD OXG99 Expected			0.932	
STD SF-3T Expected		0.6		
STD PTC-1A Expected				0.05
STD CZN-3 Expected				0.113
STD CCU-1C Expected				0.34
BLK	Blank		<0.005	
BLK	Blank		<0.005	
BLK	Blank		<0.005	
BLK	Blank		<0.005	
BLK	Blank	<0.5		



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Project: Miya  
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Part: 1 of 1

## QUALITY CONTROL REPORT

SMI12000573.1

		WGHT	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX	7TX
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.5	0.5	0.5	5	0.5	0.5	1	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01	0.01
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	<0.01	<0.5	9.4	58.0	138	<0.5	9.7	6	827	2.41	<5	1.8	6.3	702	<0.5	<0.5	1.1	53	2.53	0.07
G1-SMI	Prep Blank	<0.01																			
G1-SMI	Prep Blank		0.6	4.3	29.8	71	<0.5	6.9	3	800	2.27	<5	2.0	5.5	699	<0.5	<0.5	<0.5	48	2.26	0.08



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## QUALITY CONTROL REPORT

SMI12000573.1

		7TX La ppm 0.5	7TX Cr ppm 1	7TX Mg % 0.01	7TX Ba ppm 5	7TX Ti % 0.001	7TX Al % 0.01	7TX Na % 0.01	7TX K % 0.01	7TX W ppm 0.5	7TX Zr ppm 0.5	7TX Ce ppm 5	7TX Sn ppm 0.5	7TX Y ppm 0.5	7TX Nb ppm 0.5	7TX Ta ppm 0.5	7TX Be ppm 5	7TX Sc ppm 1	7TX Li ppm 0.5	7TX S % 0.05	7TX Rb ppm 0.5
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	18.1	15	0.73	1081	0.229	7.03	2.69	2.98	<0.5	16.0	41	<0.5	13.1	24.8	1.6	<5	5	33.9	0.06	99.0
G1-SMI	Prep Blank																				
G1-SMI	Prep Blank	18.4	9	0.61	1069	0.224	6.78	2.66	2.98	<0.5	16.0	42	0.7	12.0	25.1	1.5	<5	4	37.2	<0.05	100.4



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Part: 3 of 1

## QUALITY CONTROL REPORT

SMI12000573.1

		7TX	G6	7TD.1
		Hf	Au	Pb
		ppm	ppm	%
		0.5	0.005	0.02
BLK	Blank			0.04
Prep Wash				
G1-SMI	Prep Blank	0.9	<0.005	
G1-SMI	Prep Blank		<0.005	
G1-SMI	Prep Blank	0.7		



## APPENDIX II: LAB METHODOLOGY

## METHOD SPECIFICATIONS

### GROUP 7TD AND 7TX – ASSAY FOUR-ACID DIGESTION

**Package Codes:** 7TD1, 7TD2, 7TD3, 7TX1  
**Sample Digestion:** HF-HNO<sub>3</sub>-HClO<sub>4</sub> acid digestion  
**Instrumentation Method:** ICP-ES (7TD, 7TX), ICP-MS (7TX)  
**Applicability:** Rock and Drill Core

#### Method Description:

Prepared sample is digested to complete dryness with an acid solution of (2:2:1:1) H<sub>2</sub>O-HF-HClO<sub>4</sub>-HNO<sub>3</sub>. 50% HCl is added to the residue and heated using a mixing hot block. After cooling the solutions are made up to volume with dilute HCl in class A volumetric flasks. Sample splits of 0.5g or 0.1g can be analyzed. Very high-grade samples are reweighed at lower weight to accommodate analysis up to 100% upper limit.

Element	Group 7TD Detection	Group 7TX Detection
Ag	2 g/t	0.5 ppm
Al*	0.01%	0.01%
As	0.02%	5 ppm
Ba*	-	5 ppm
Be	-	5 ppm
Bi	0.01%	0.5 ppm
Ca*	0.01%	0.01%
Cd	0.001%	0.5 ppm
Ce	-	5 ppm
Co	0.001%	1 ppm
Cr*	0.001%	1 ppm
Cu	0.001%	0.5 ppm
Fe*	0.01%	0.01%
Hf*	-	0.5 ppm
K	0.01%	0.01%
La	-	0.5 ppm
Li	-	0.5 ppm
Mg	0.01%	0.01%
Mn*	0.01%	5 ppm
Mo	0.001%	0.5 ppm
Na	0.01%	0.01%
Nb*	-	0.5 ppm
Ni	0.001%	0.5 ppm
P	0.01%	0.01%
Pb	0.02%	0.5 ppm

Element	Group 7TD Detection	Group 7TX Detection
Rb	-	0.5 ppm
S*	0.05%	0.05%
Sb	0.01%	0.5 ppm
Sc	-	1 ppm
Sn*	-	0.5 ppm
Sr	0.01%	5 ppm
Ta*	-	0.5 ppm
Th	-	0.5 ppm
Ti*	-	0.001%
U	-	0.5 ppm
V	-	10 ppm
W*	0.01%	0.5 ppm
Y	-	0.5 ppm
Zn	0.01%	5 ppm
Zr*	-	0.5 ppm

#### Limitations:

\*This digestion is only partial for some Cr and Ba minerals and some oxides of Al, Fe, Hf, Mn, Nb, S, Sn, Ta, Ti, W and Zr if refractory minerals are present.

†Volatilization may occur during fuming resulting in some loss of As and Sb.

## METHOD SPECIFICATIONS

### GROUP 3B AND G6 – PRECIOUS METALS BY FIRE ASSAY FUSION

**Package Codes:** 3B01 to 3B04, G601 to G614  
**Sample Digestion:** Lead-collection fire assay fusion  
**Instrumentation Method:** ICP-ES (3B, G6), ICP-MS (3B-MS), AA (3B, G6), Gravimetric (G6)  
**Applicability:** Rock, Drill Core

#### Method Description:

Prepared sample is custom-blended with fire-assay fluxes, PbO litharge and a Ag inquart. Firing the charge at 1050 °C liberates Ag ± Au ± PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered, placed in a cupel and fired at 950 °C to render a Ag ± Au ± PGEs dore bead. The bead is digested for ICP analysis or weighed and parted in ACS grade HNO<sub>3</sub> to dissolve Ag leaving a Au sponge. Au is weighed for Gravimetric determination; ACS grade HCl is added dissolving the Au ± PGE sponge for Instrument determination.

Element	3B Detection	3B Upper Limit	3B-MS Detection	3B-MS Upper Limit
Au	2 ppb	10000 ppb	1 ppb	10000 ppb
Pt	3 ppb	10000 ppb	0.1 ppb	10000 ppb
Pd	2 ppb	10000 ppb	0.5 ppb	10000 ppb

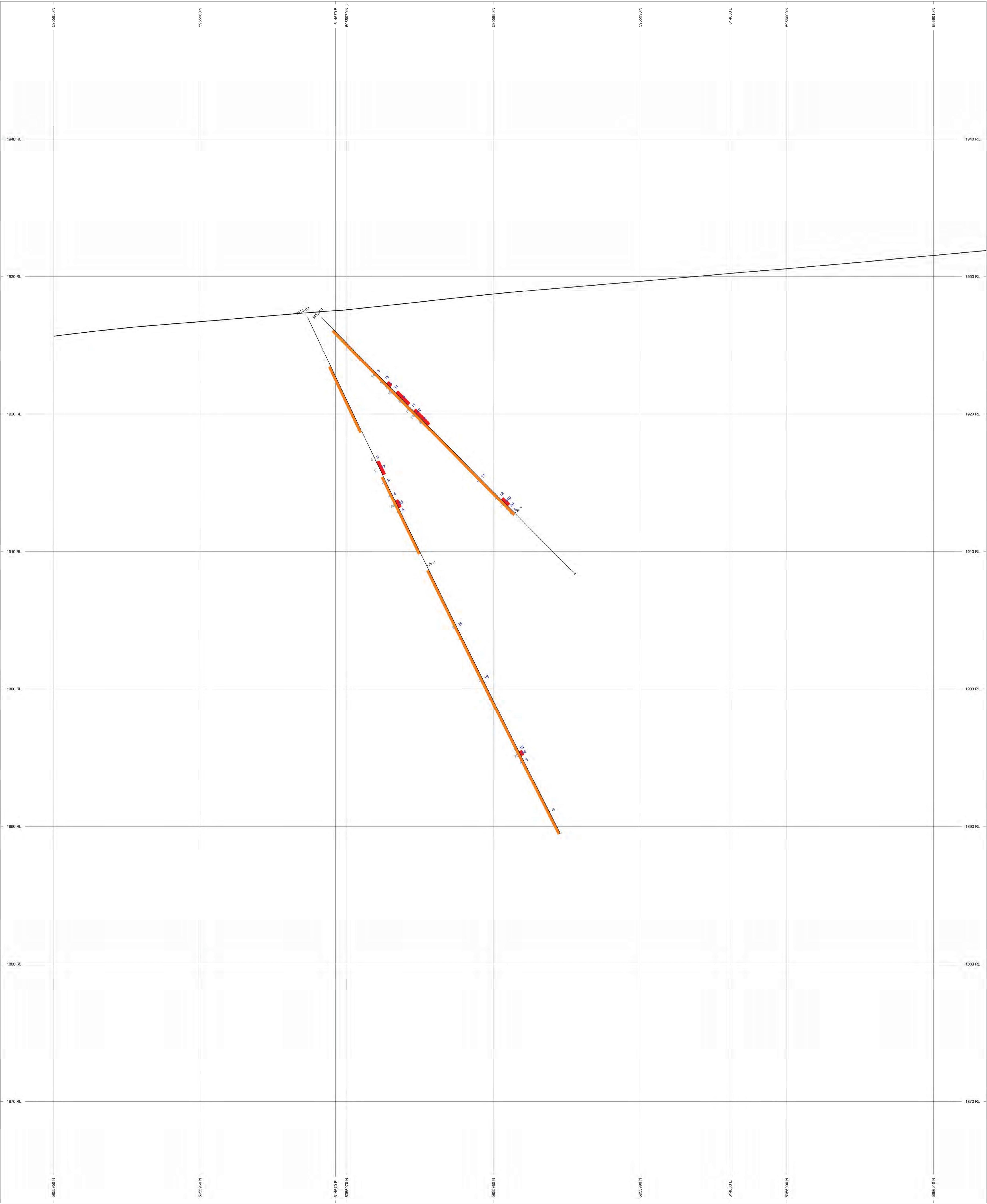
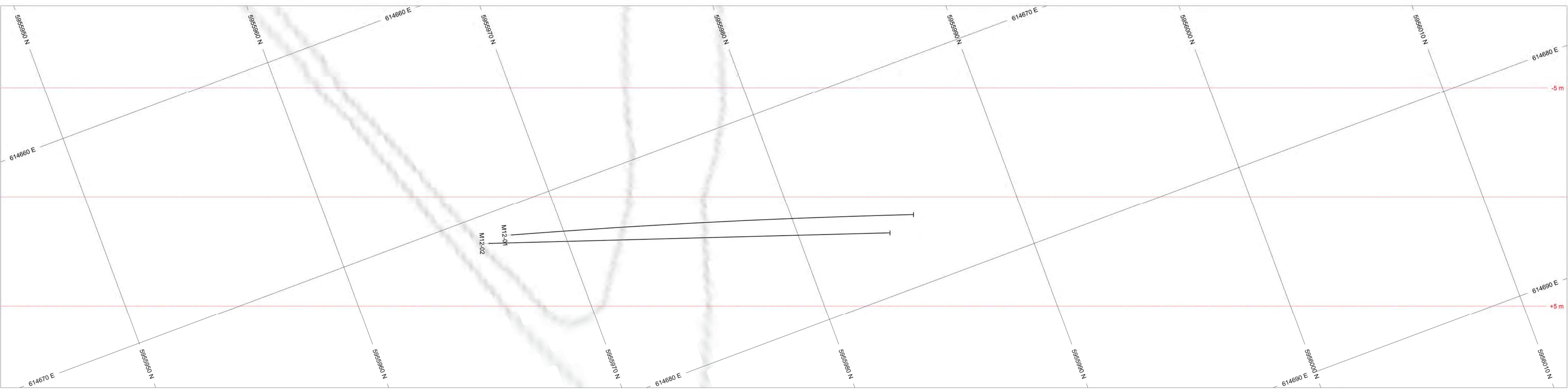
Element	G6 (Inst) Detection	G6 (Inst) Upper Limit	G6 (Grav) Detection	G6 (Grav) Upper Limit
Ag	--	--	50 g/t	1 ton
Au	0.005 g/t	10 g/t	0.17 g/t	1 ton
Pt	0.01 g/t	100 g/t	--	--
Pd	0.01 g/t	100 g/t	--	--

#### Note:

\*Sulphide-rich samples require a 15g or smaller sample for proper fusion.

## APPENDIX III: DRILLHOLE SECTIONS





HOLES PLOTTED

TOTAL 2  
M12-01 M12-02

TOPOGRAPHY

Topo Line GRD

BAR GRAPHS L/R COL

VEN R COL

Bleached\_Altered Zone

ASSAYS L/R TEXT

Ag PPM L TEXT

Au PPM R TEXT

SECTION SPECS:

REF. PT. E, N 614874 m 595980 m

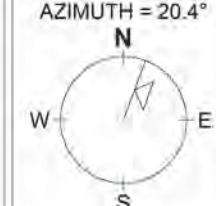
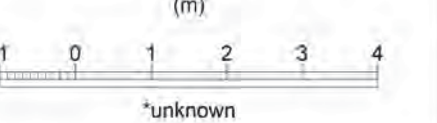
EXTENTS 71.71 m 87.42 m

SECTION TOP, BOT 1860 m 1863 m

TOLERANCE +/- 5 m

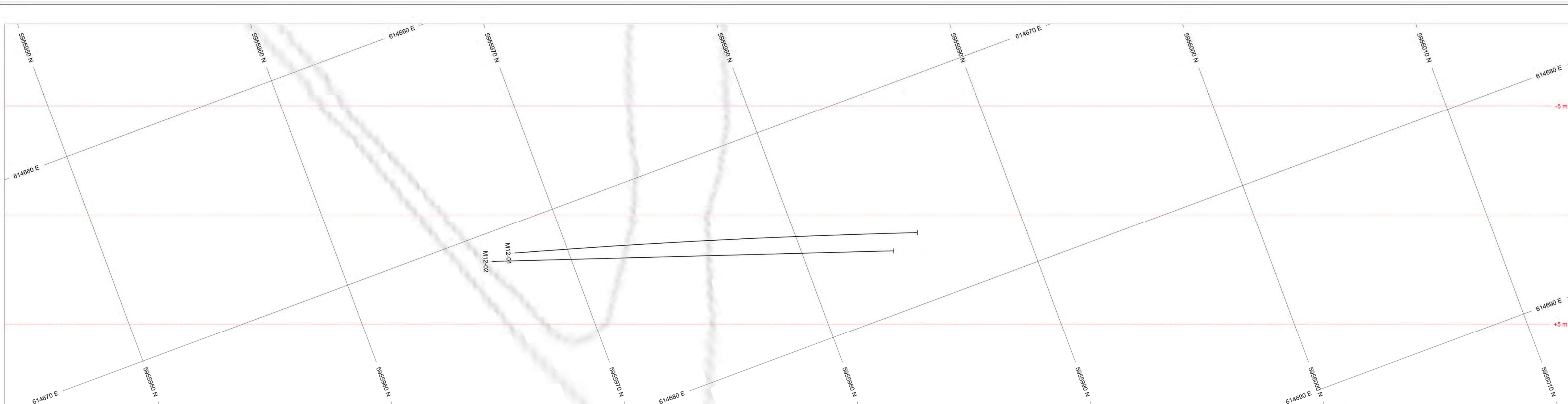
SCALE 1 : 100

(m)



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Miya Property  
2012 Drillhole Cross-Sections








HOLES PLOTTED  
TOTAL 2  
M12-01 M12-02

**TOPOGRAPHY**  
 — Topo Line.GRD

**BAR GRAPHS**

	L/R	COL
VEIN	R	
Bleached_Altered Zone		

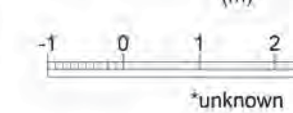
**VALUES**

	L/R	COL	RANGE
Cu%	L		1

**SECTION SPECS:**

PT. E, N	614674 m	5955980 m
INTS	71.71 m	87.42 m
SECTION TOP, BOT	1950 m	1863 m
THICKNESS +/-	5 m	

SCALE 1 : 100

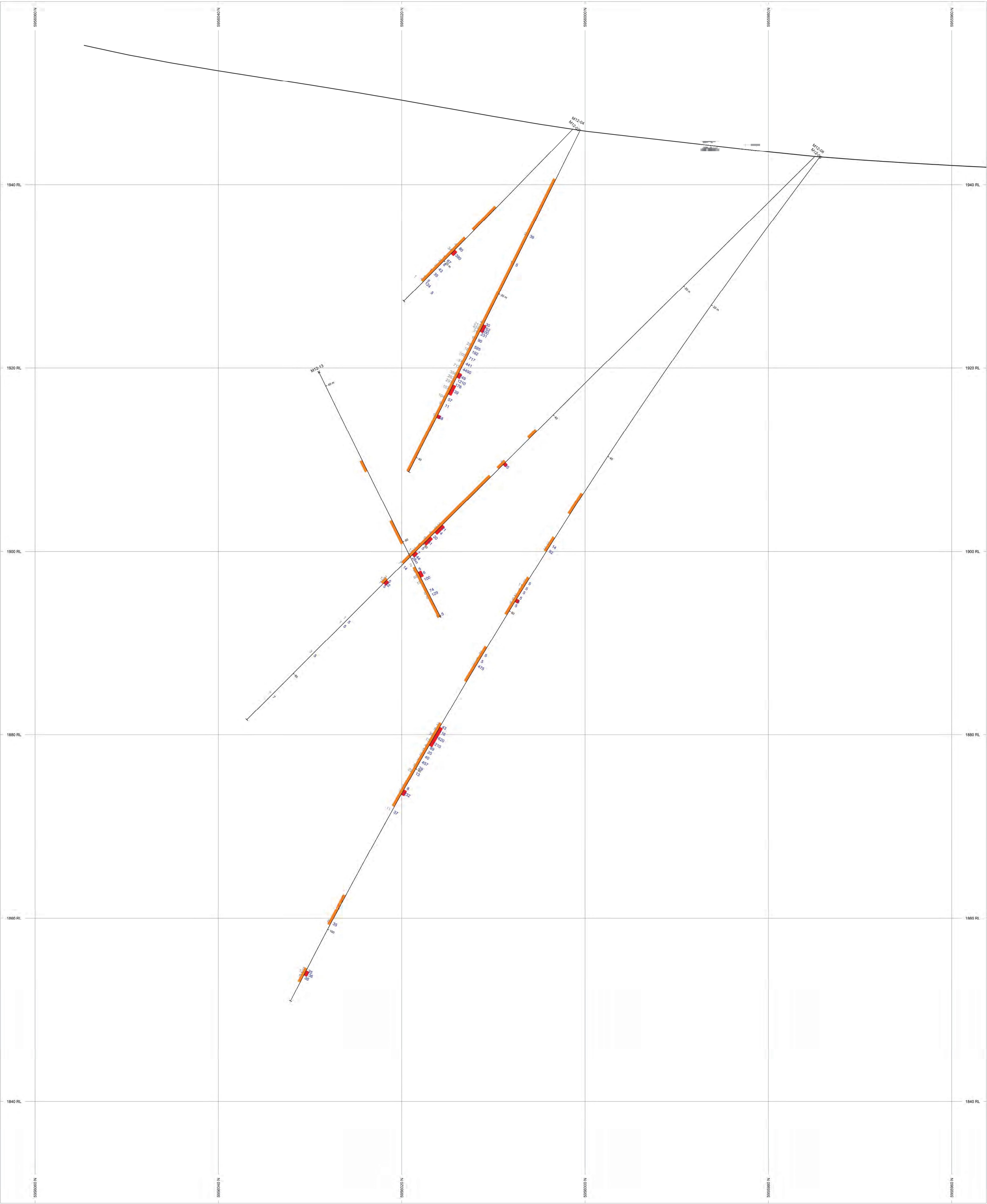
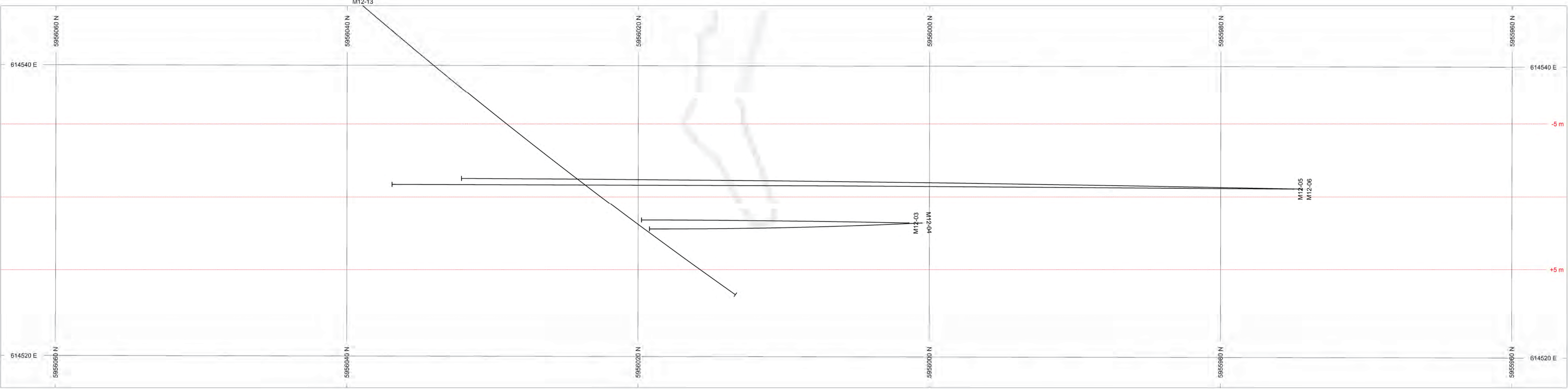


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HOLES PLOTTED					
TOTAL 5					
M12-03	M12-04	M12-05	M12-06	M12-13	

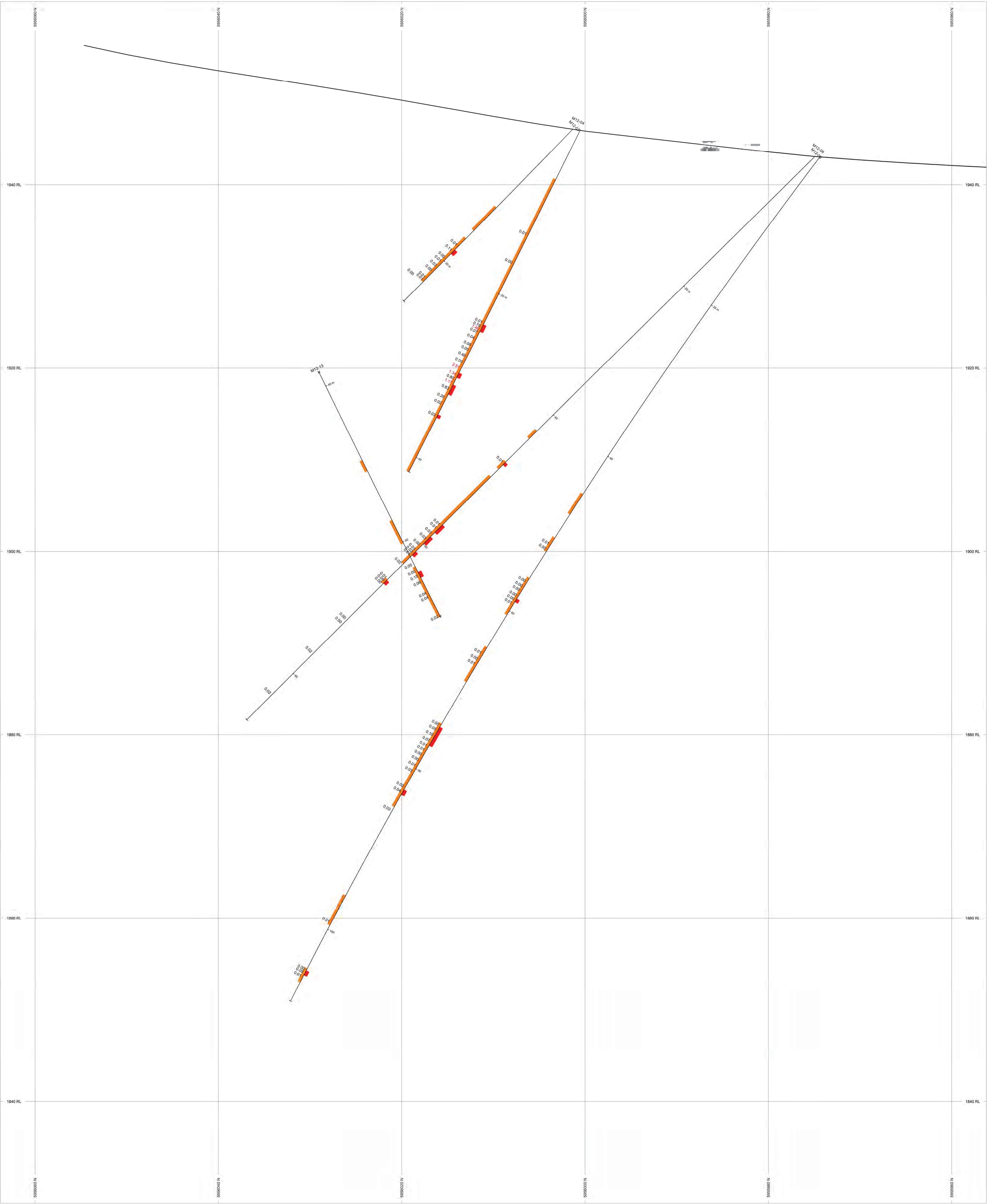
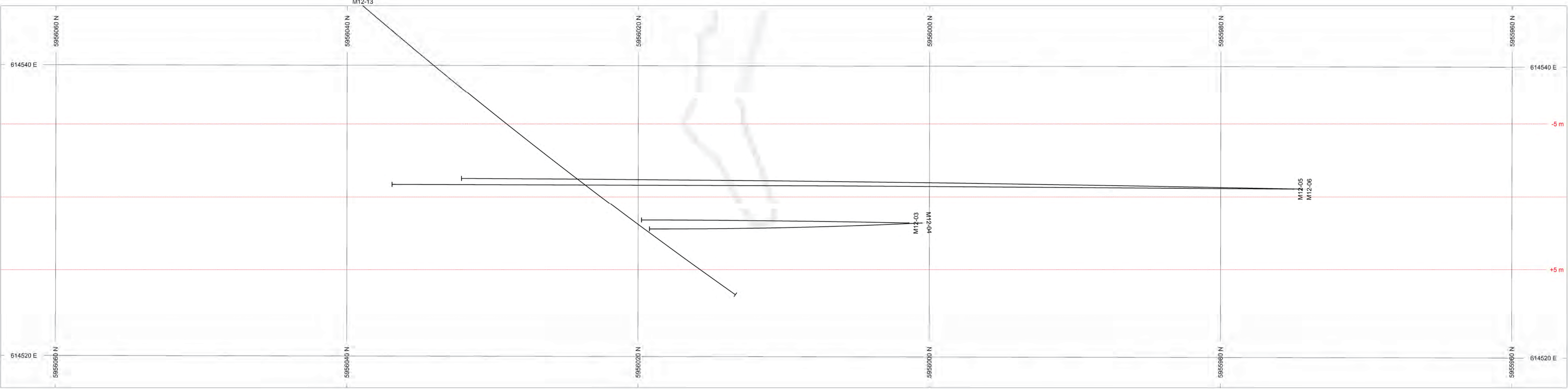
TOPOGRAPHY			
Topo Line GRD			
BAR GRAPHS			
VEN	R	COL	
Bleached/Altered Zone			
ASSAYS			
Ag PPM	L	TEXT	
Au PPS	R		

SECTION SPECS:  
REF. PT. E, N 614531 m 5956610 m  
EXTENTS 107.6 m 131.1 m  
SECTION TOP, BOT 1960 m 1820 m  
TOLERANCE +/- 5 m



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HOLES PLOTTED				
TOTAL: 5				
M12-03	M12-04	M12-05	M12-06	M12-13

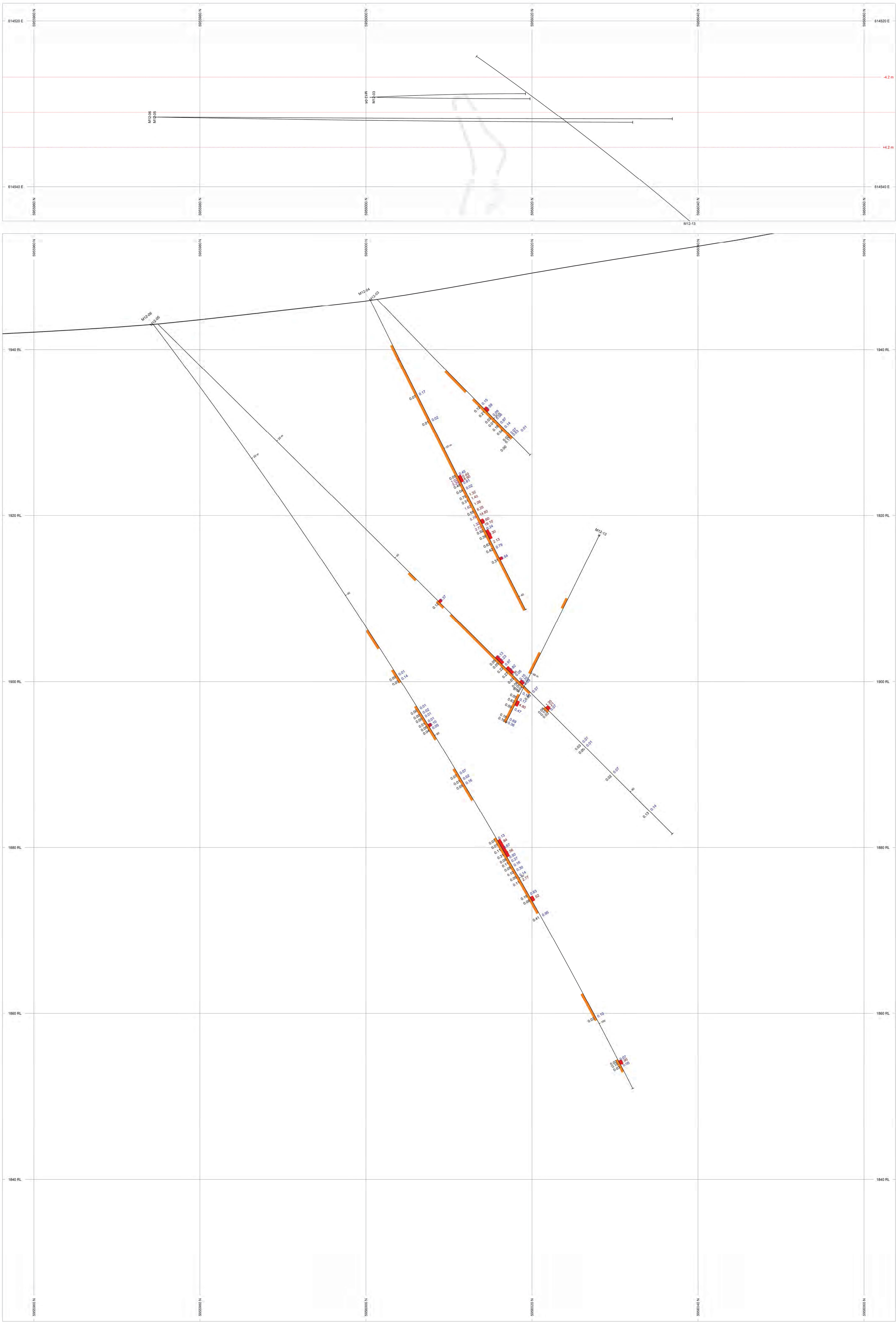
TOPOGRAPHY		
Topo Line GRD		
BAR GRAPHS	LIR	COL
VEIN	P	
Bleached/Altered Zone		
VALUES	LIR	COL RANGE
Cu%	L	

SECTION SPECS:  
REF. PT. E, N 614531 m 5956610 m  
EXTENTS 107.6 m 131.1 m  
SECTION TOP, BOT 1960 m 1820 m  
TOLERANCE +/- 5 m



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HOLES PLOTTED

TOTAL: 5

M12-03M12-04M12-05M12-06M12-13

TOPOGRAPHY

— Type Line GRD

BAR GRAPHS L/R COL

VEIN R COL

Bleached\_Altered\_Zone

VALUES L/R COL RANGE

Zn% R COL RANGE

VALUES L/R COL RANGE

Pb% L COL RANGE

SECTION SPECS:

REF. PT. E, N 614531 m 5956010 m

EXTENTS 107.6 m 131.1 m

SECTION TOP, BOT 1964 m 1823 m

TOLERANCE +/- 4.223 m

SCALE 1 : 150

(m)

— unknown

AZIMUTH = 0°

N

W

E

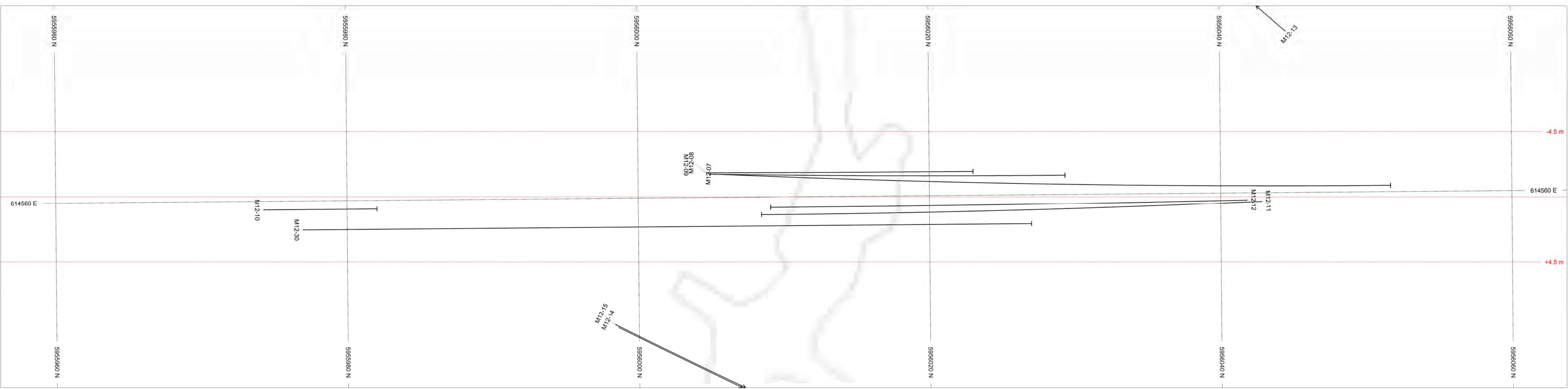
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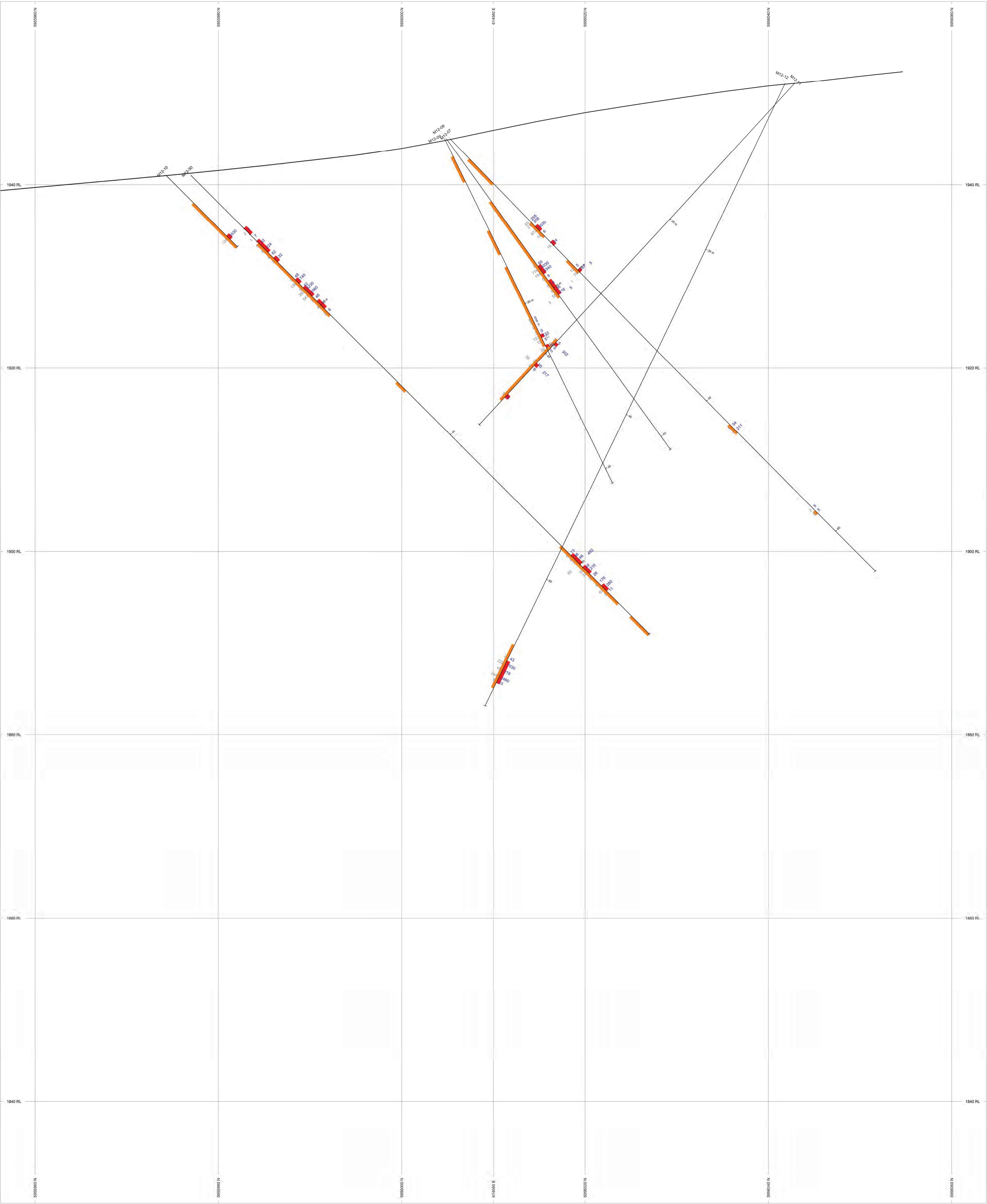
Miya Property

2012 Drillhole Cross-Sections





HOLES PLOTTED				
TOTAL 7				
M12-07	M12-08	M12-09	M12-10	M12-11
M12-12	M12-30			



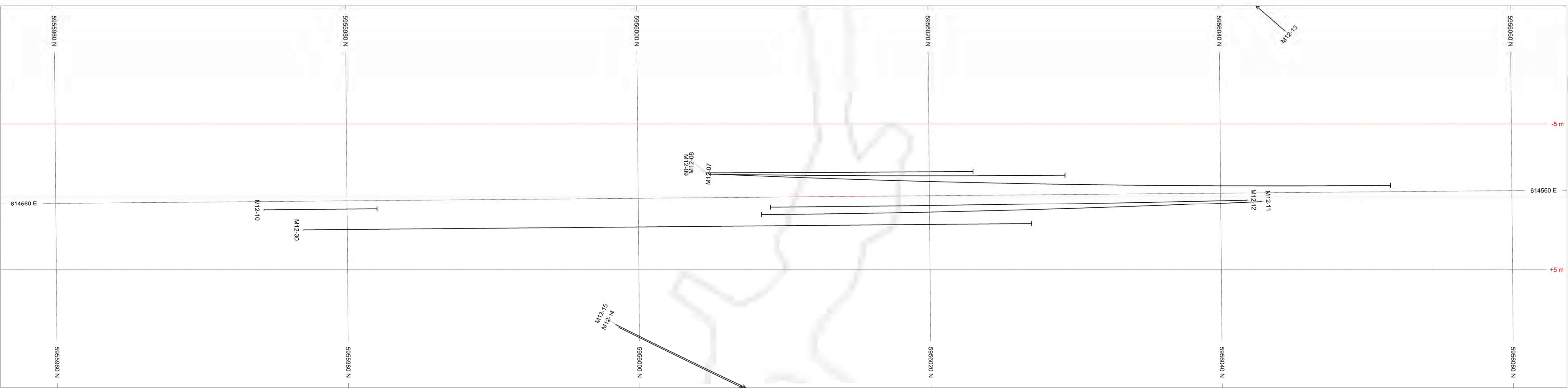
TOPOGRAPHY		
Topo Line GRD		
BAR GRAPHS		
L/R	COL	
VEIN	R	Red
Bleached/Altered Zone		Orange
ASSAYS		
L/R	TEXT	
Ag/PPM	L	
Au/PPM	R	

SECTION SPECS:  
REF. PT. E, N 614500 m 5950010 m  
EXTENTS 107.6 m 131.1 m  
SECTION TOP, BOT 1960 m 1820 m  
TOLERANCE +/- 4.48 m

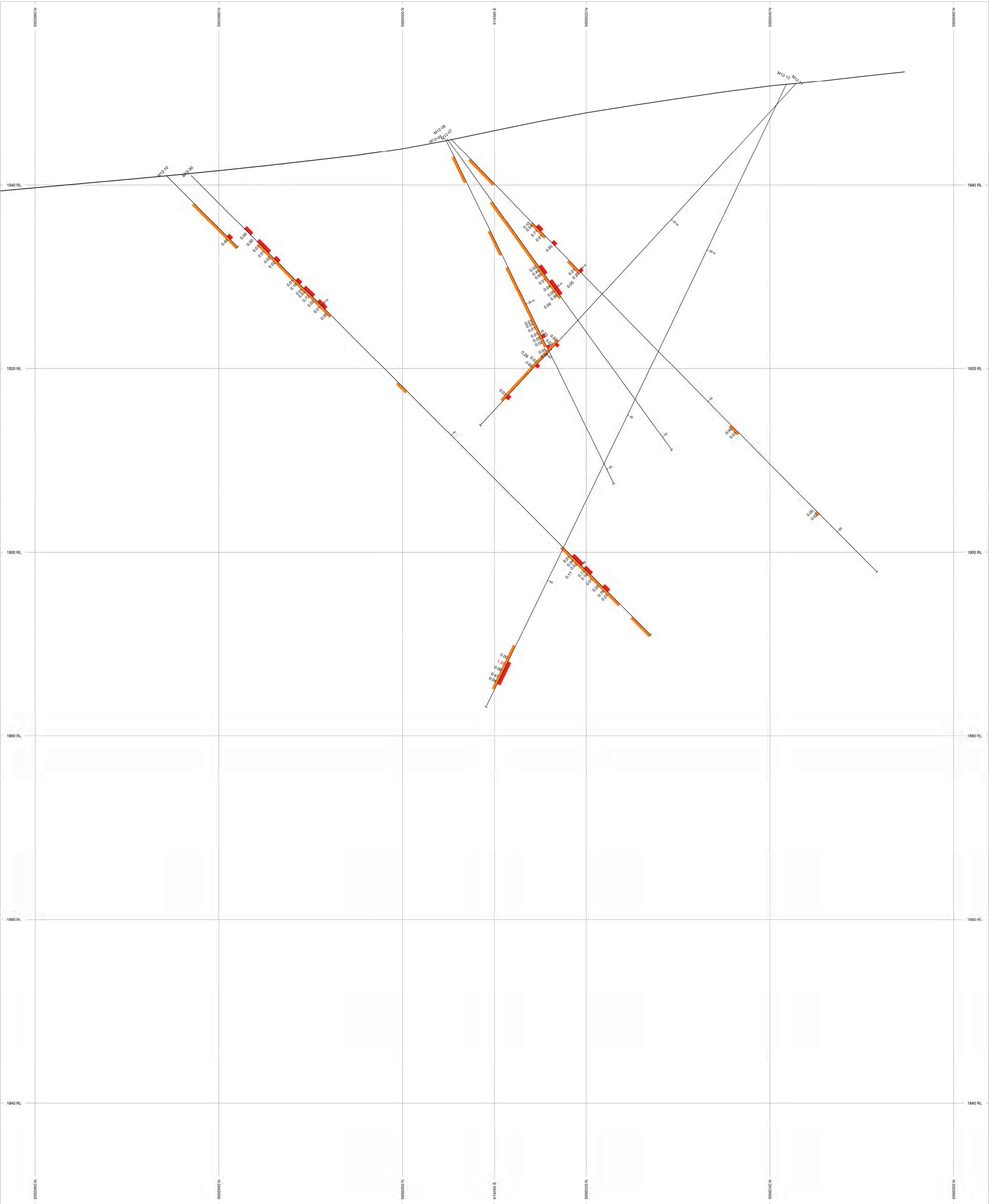


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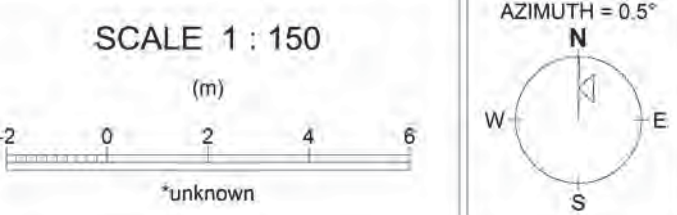


HOLES PLOTTED				
TOTAL 7				
M12-07	M12-08	M12-09	M12-10	M12-11
M12-12	M12-30			



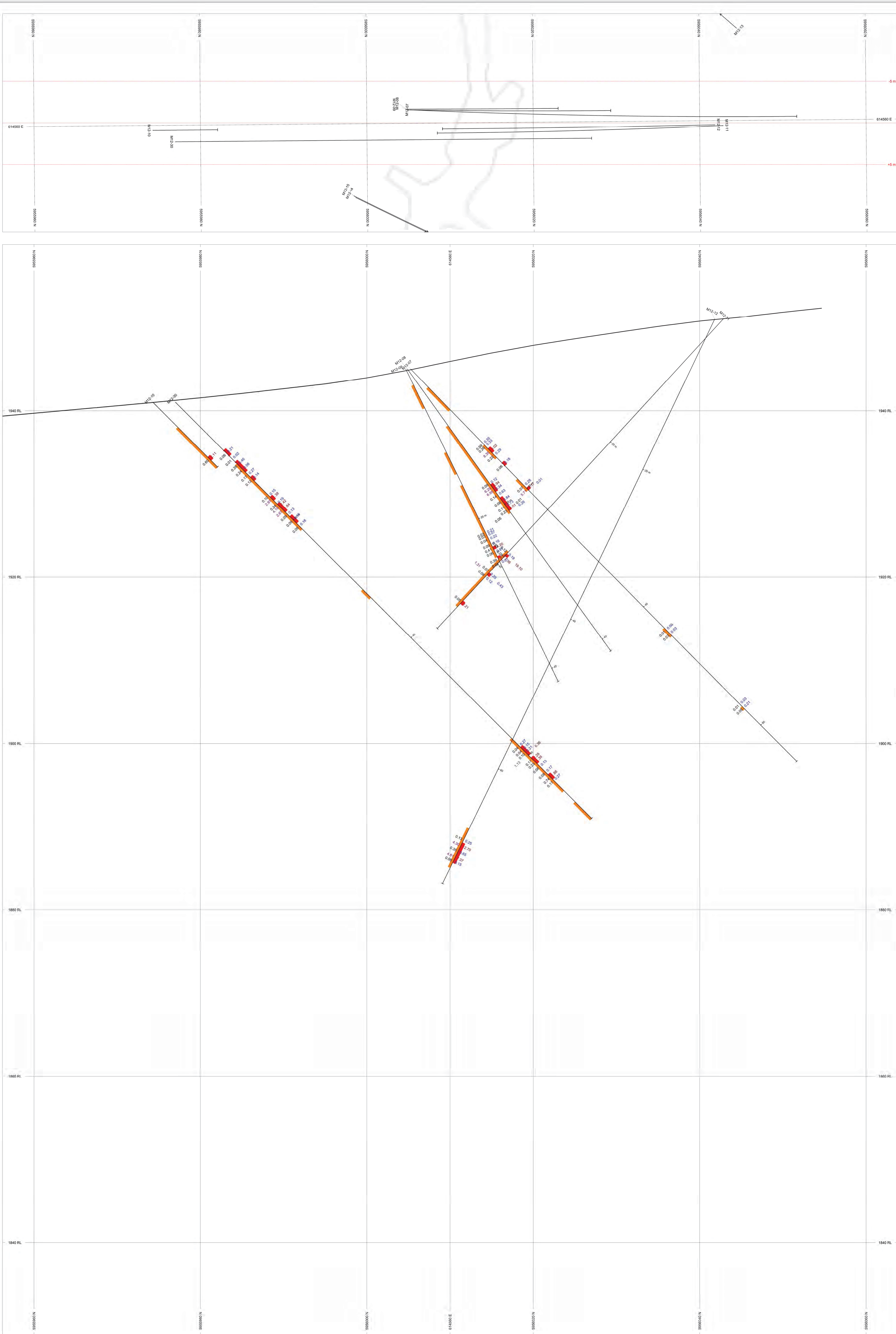
TOPOGRAPHY		
Topo Line GRD		
BAR GRAPHS	LIR	COL
VEIN	P	
Bleached/Altered Zone		
VALUES	LIR	COL RANGE
Cv%	L	

SECTION SPECS:  
REF. PT. E, N 614560 m 5950010 m  
EXTENTS 107.6 m 131.1 m  
SECTION TOP, BOT 1960 m 1820 m  
TOLERANCE +/- 5 m



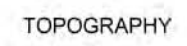
Lowprofile Ventures Ltd  
Miya Property  
2012 Drillhole Cross-Sections








TOTAL 7

M12-07	M12-08	M12-09	M12-10	M12-11
M12-12	M12-30			



— Topo Line.GRD

BAR GRAPHS	L/R	COL
VEIN	R	
Bleached_Altered_Zone		

VALUES	L/R	COL	RANK
Zn%	R		1
Pb%	L		1

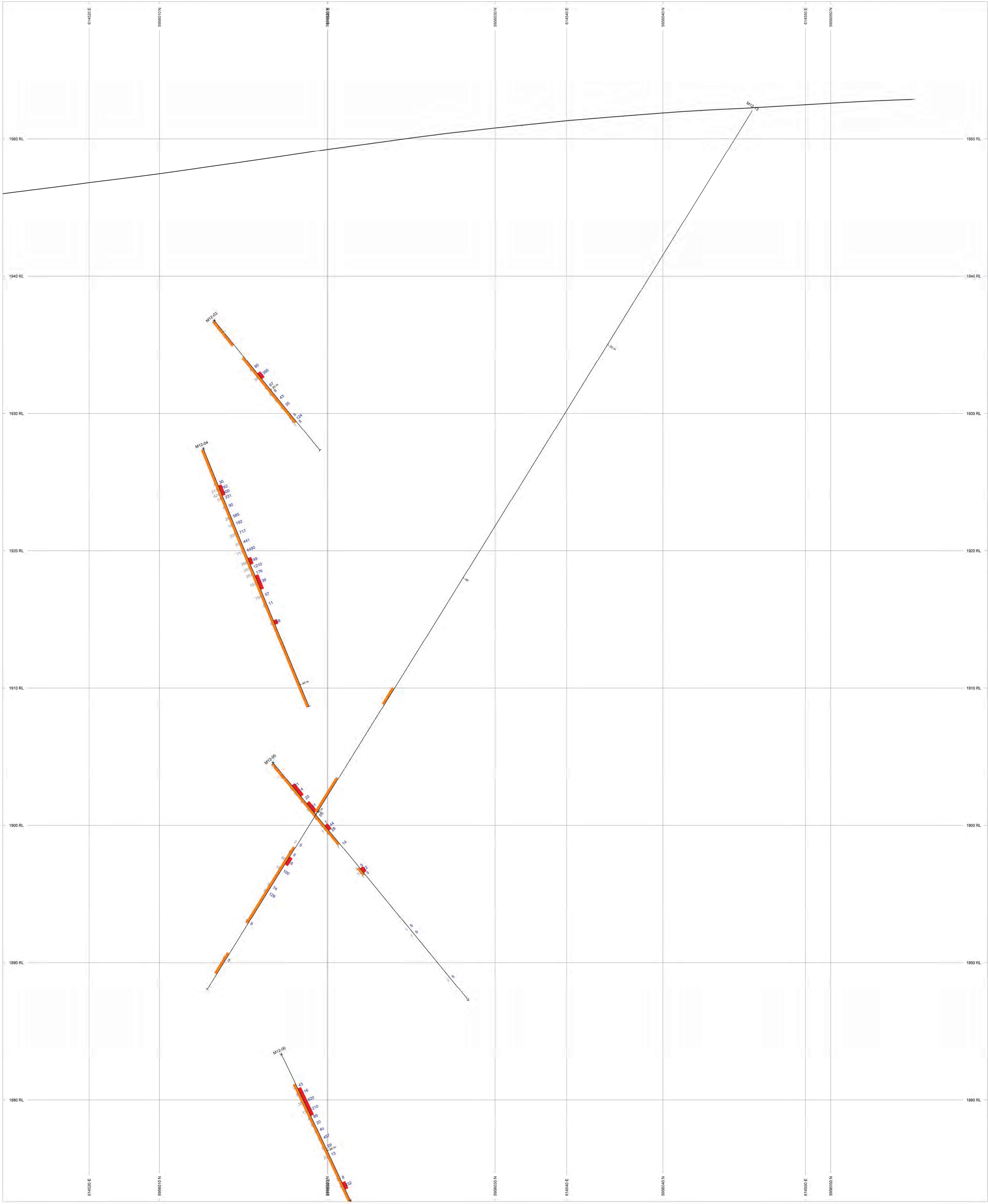
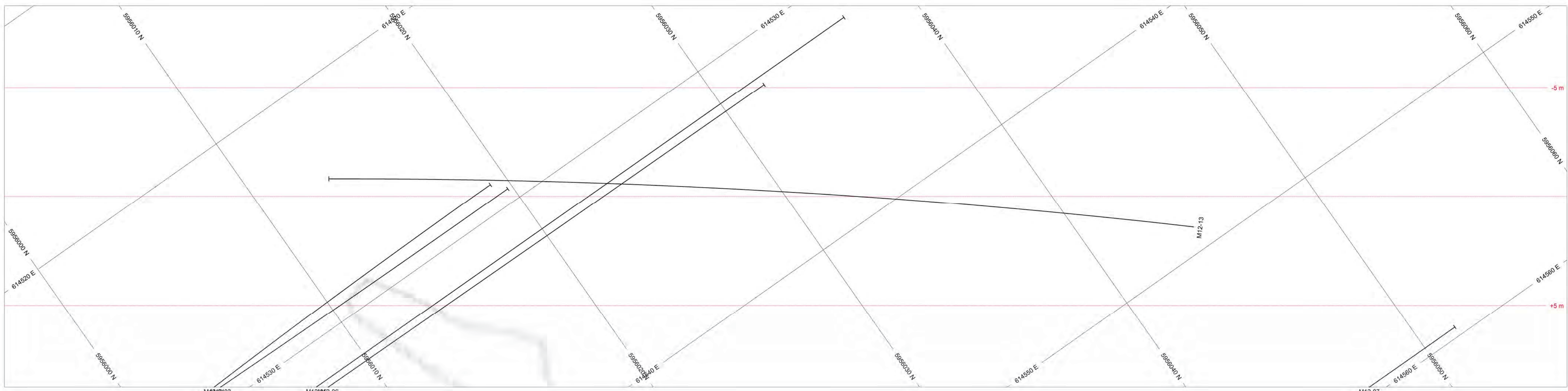
**SECTION SPECS:**  
REF. PT. E, N 614560 m 5956010 m  
EXTENTS 107.6 m 131.1 m  
SECTION TOP, BOT 1960 m 1829 m  
TOLERANCE +/- 5 m

SCALE 1 : 150



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2012 Drillhole Cross-Sections





HOLES PLOTTED

TOTAL 5

M12-03 M12-04 M12-05 M12-06 M12-13

TOPOGRAPHY

Topo Line GRD

BAR GRAPHS L/R COL

VEN R

Bleached\_Altered Zone

ASSAYS L/R TEXT

Au ppm L

Au ppm R

SECTION SPECS:

REF. PT. E, N 614537 m 5956530 m

EXTENTS 71.71 m 87.42 m

SECTION TOP, BOT 1960 m 1873 m

TOLERANCE +/- 5 m

SCALE 1 : 100

(m)

1 0 1 2 3 4

unknown

AZIMUTH = 35.1°

N

W E

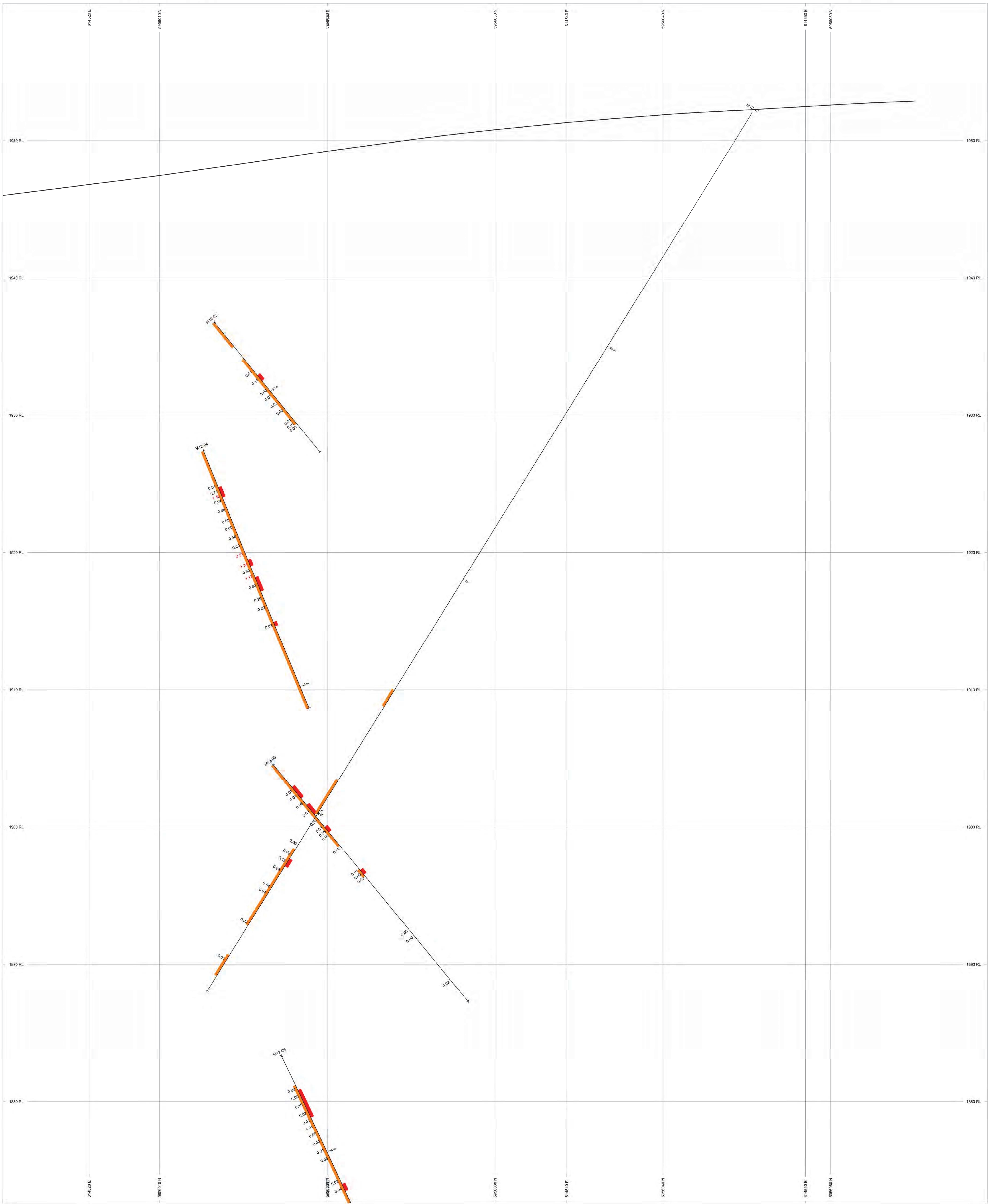
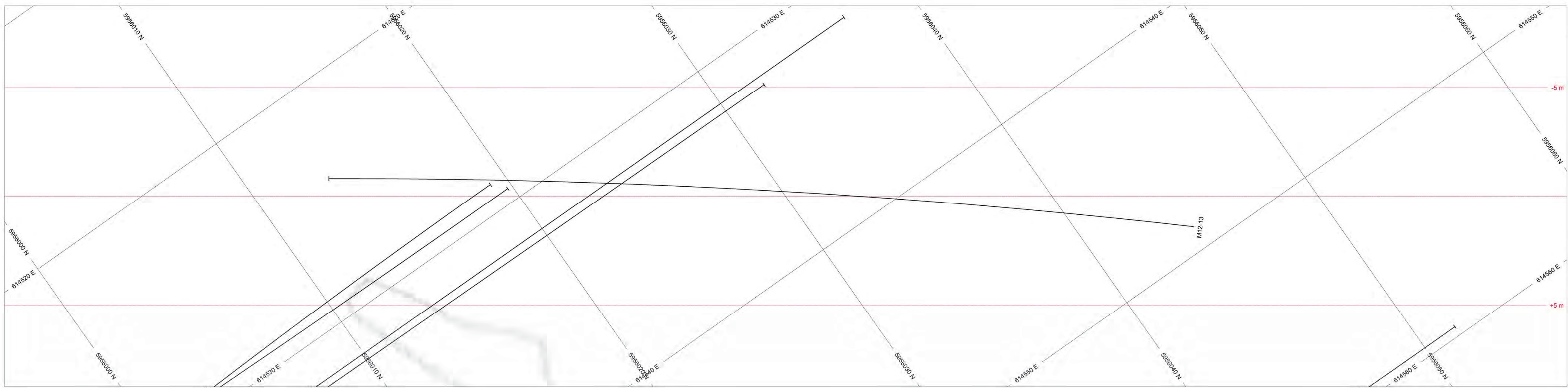
S

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HOLES PLOTTED  
TOTAL 5  
M12-03 M12-04 M12-05 M12-06 M12-13

TOPOGRAPHY  
Topo Line GRD

BAR GRAPHES L/R COL  
VEIN P. COL  
Bleached/Altered Zone COL  
VALUES L/R COL RANGE  
Cu% L COL

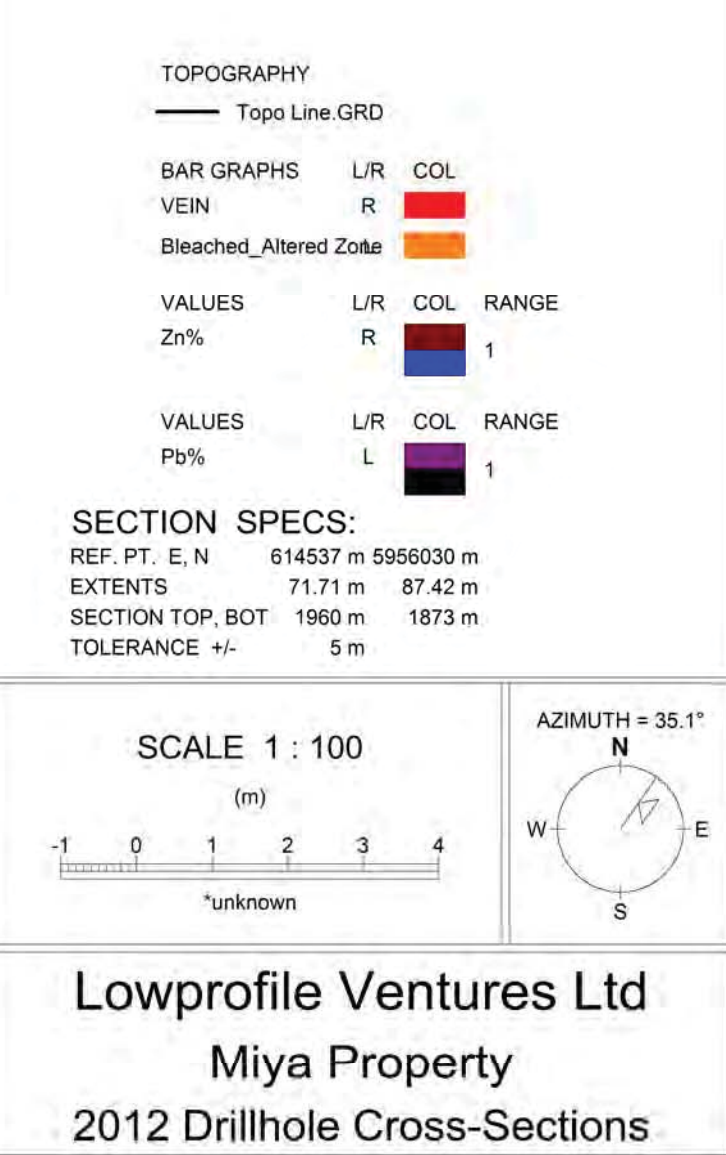
SECTION SPECS:  
REF. PT. E, N 614537 m 5956530 m  
EXTENTS 71.71 m 87.42 m  
SECTION TOP, BOT 1960 m 1873 m  
TOLERANCE +/- 5 m

SCALE 1 : 100  
(m)  
-1 0 1 2 3 4  
unknown

AZIMUTH = 35.1°  
N  
W E  
S

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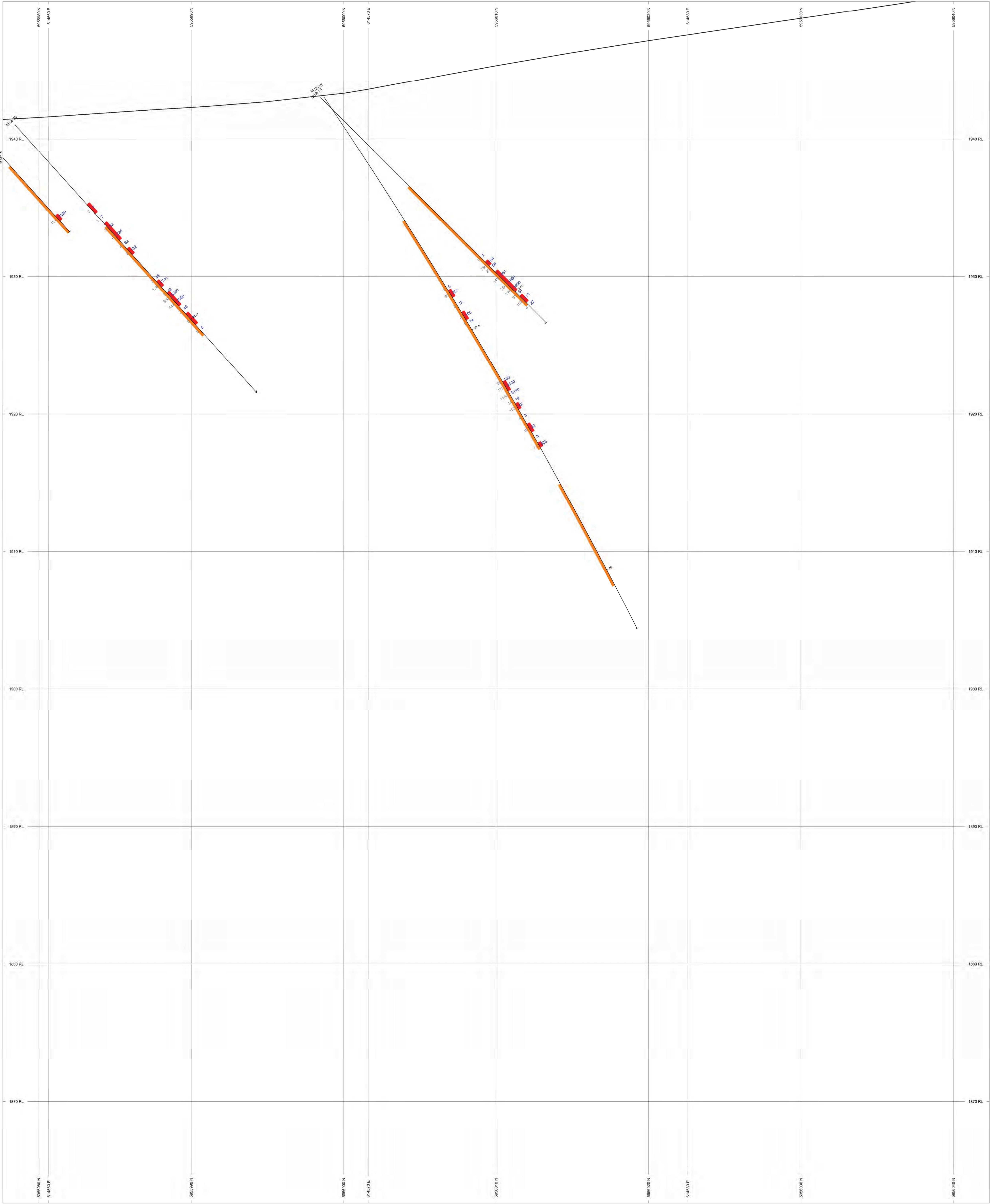








HOLES PLOTTED  
TOTAL 4  
M12-10 M12-14 M12-15 M12-30



TOPOGRAPHY /  
Topo Line GRD  
BAR GRAPHS L/R COL  
VEN R  
Bleached\_Altered Zone  
ASSAYS L/R TEXT  
Ag PPM L  
Au PPM R  
SECTION SPECS:  
REF. PT. E, N 614574 m 5956610 m  
EXTENTS 71.71 m 87.42 m  
SECTION TOP, BOT 1860 m 1863 m  
TOLERANCE +/- 5 m

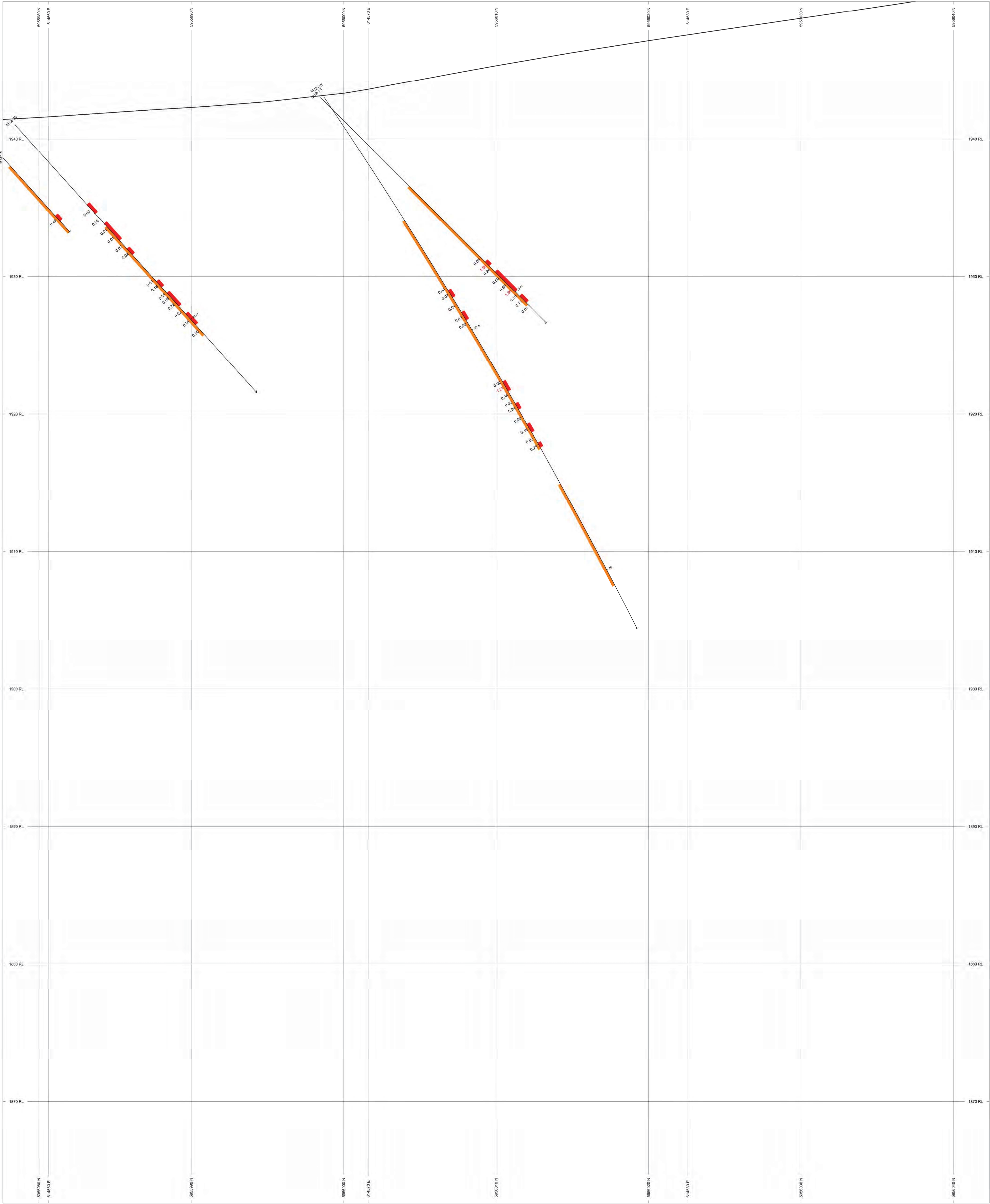
SCALE 1 : 100  
(m)  
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\*unknown

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


HOLES PLOTTED  
TOTAL 4  
M12-10 M12-14 M12-15 M12-30



TOPOGRAPHY  
Topo Line GRD

BAR GRAPHS L/R COL  
VEIN P.   
Bleached\_Altered Zone 

VALUES L/R COL RANGE  
Cu% L  1

SECTION SPECS:  
REF. PT. E, N 614574 m 5958610 m  
EXTENTS 71.71 m 87.42 m  
SECTION TOP, BOT 1880 m 1883 m  
TOLERANCE +/- 5 m

SCALE 1 : 100  
(m)  
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unknown

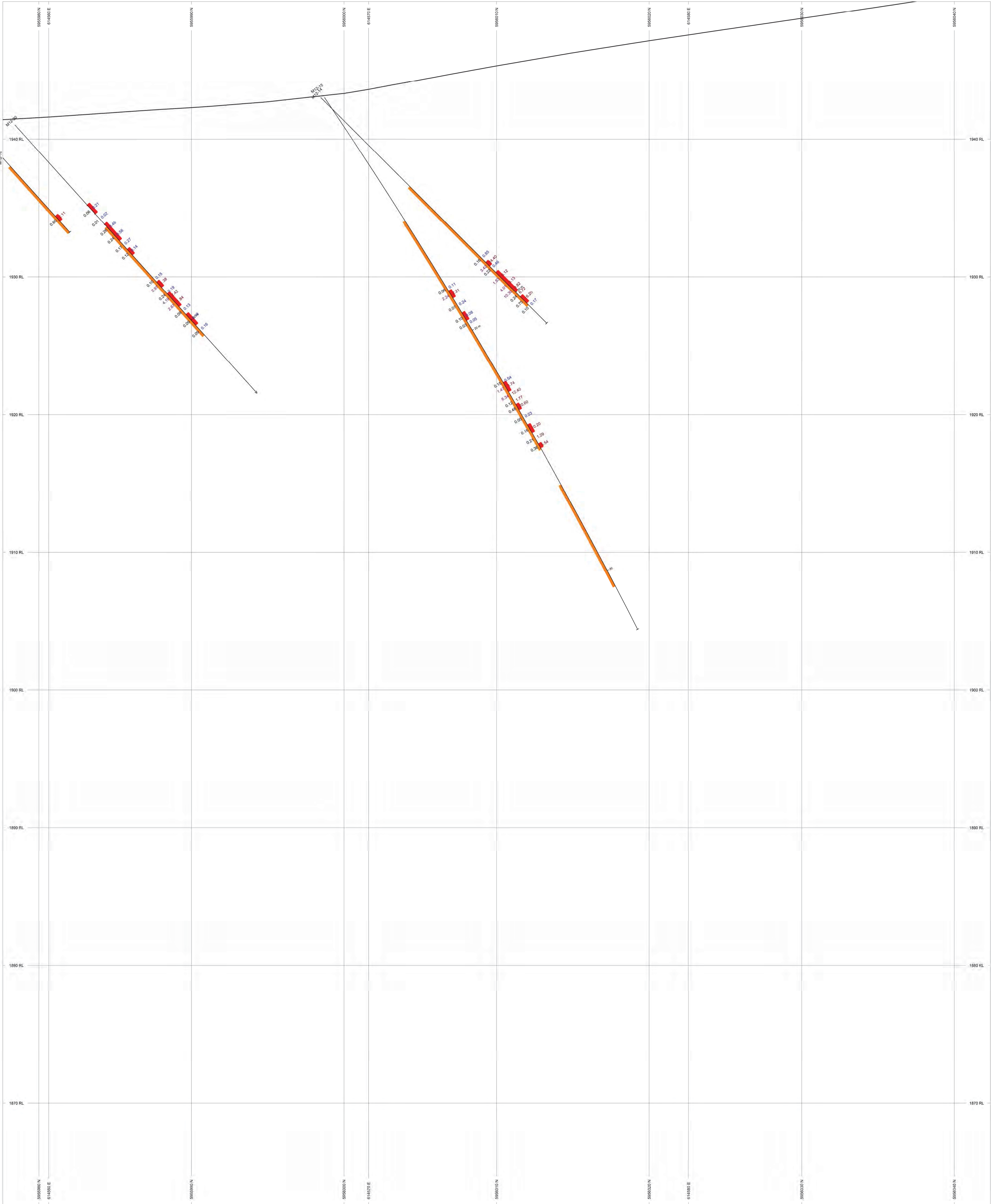
AZIMUTH = 25.5°  
N  
W E  
S

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Miya Property  
2012 Drillhole Cross-Sections





HOLES PLOTTED  
TOTAL 4  
M12-10 M12-14 M12-15 M12-30



TOPOGRAPHY

Topo Line GRD

BAR GRAPHS L/R COL

VEIN R

Bleached/Altered Zone

VALUES L/R COL RANGE

Zn% R

Pp% L

SECTION SPECS:

REF. PT. E. N 614574 m 5956610 m

EXTENTS 71.71 m 87.42 m

SECTION TOP BOT 1860 m 1863 m

TOLERANCE +/- 5 m

SCALE 1 : 100

(m)

1 0 1 2 3 4

unknown

AZIMUTH = 25.5°

N

W E

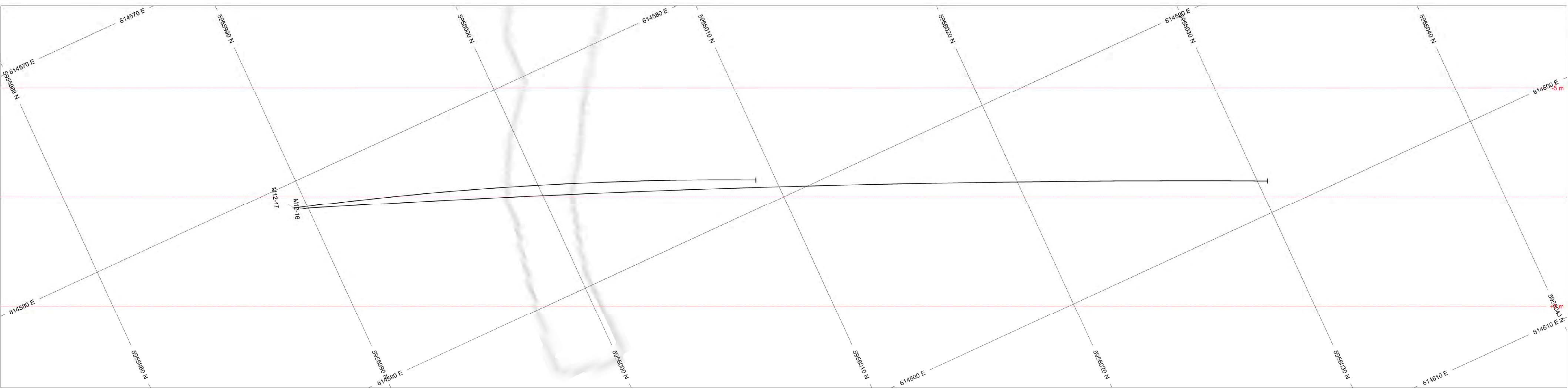
S

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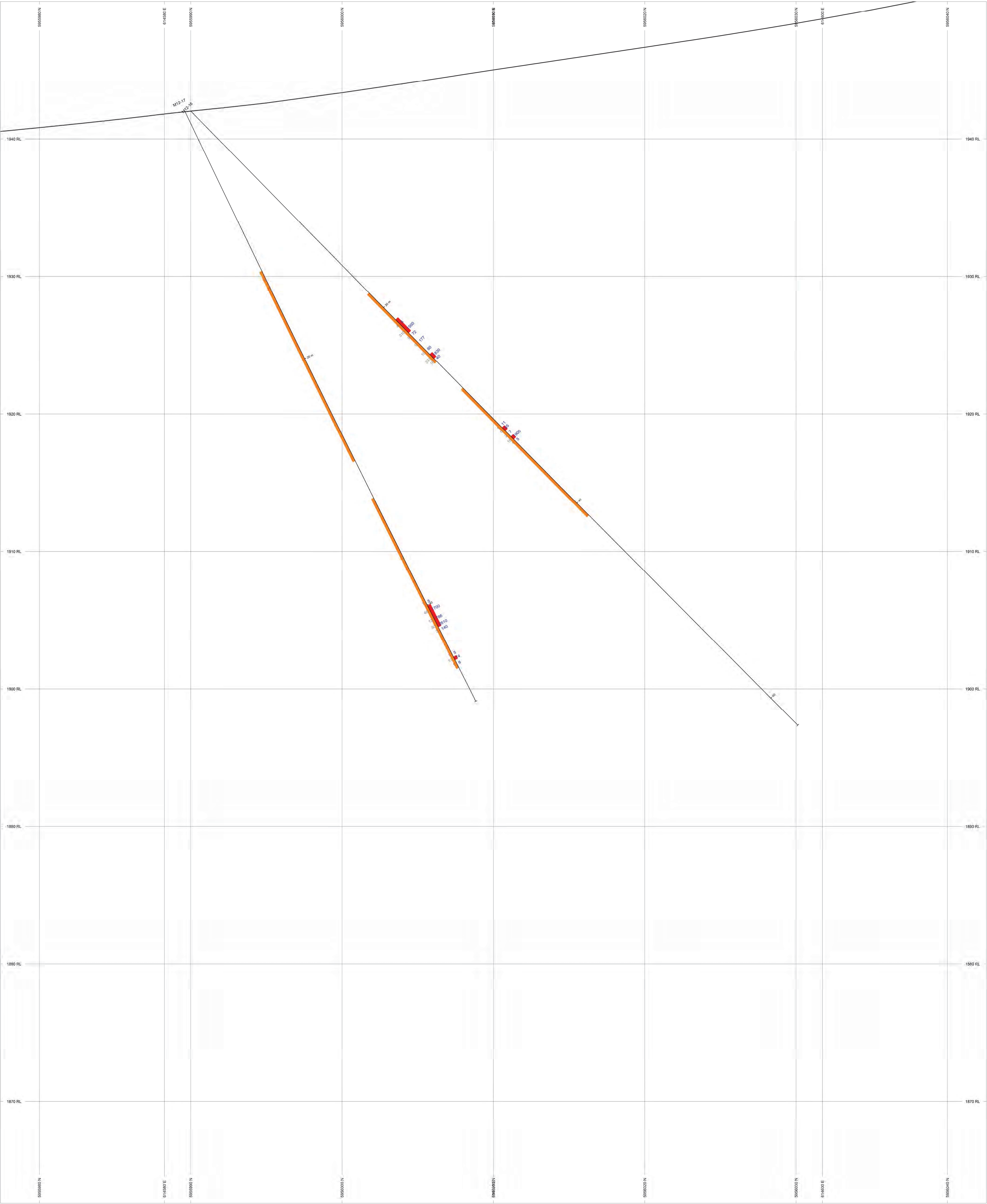
2012 Drillhole Cross-Sections



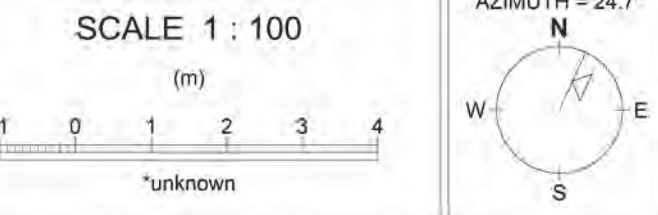


HOLES PLOTTED

TOTAL 2  
M12-16 M12-17

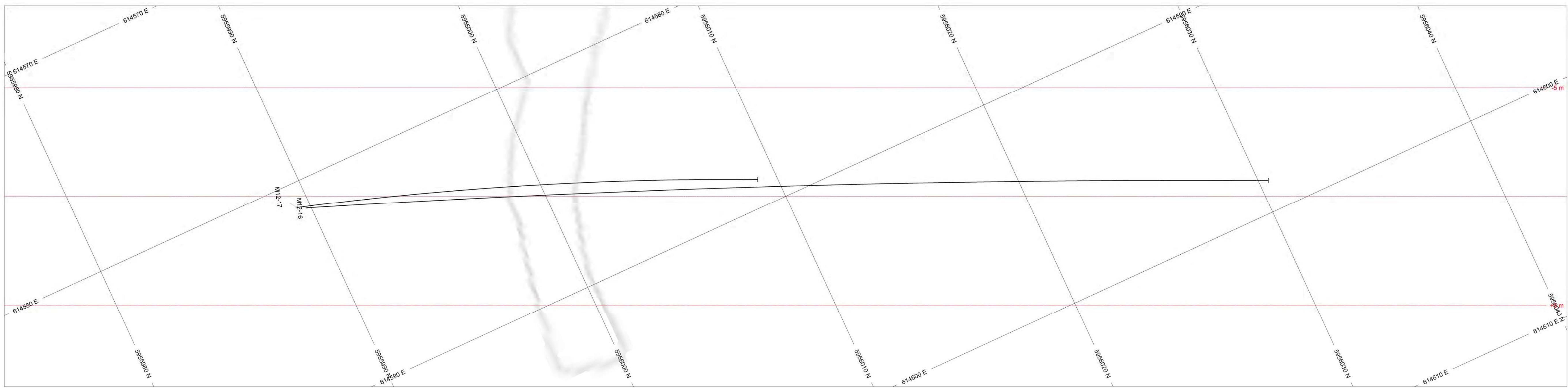


TOPOGRAPHY  
Topo Line GRD  
BAR GRAPHS L/R COL  
VEN R  
Bleached/Altered Zone  
ASSAYS L/R TEXT  
Ag PPM L  
Au PPM R  
SECTION SPECS:  
REF. PT. E, N 614590 m 5956010 m  
EXTENTS 71.71 m 87.42 m  
SECTION TOP, BOT 1860 m 1863 m  
TOLERANCE +/- 5 m



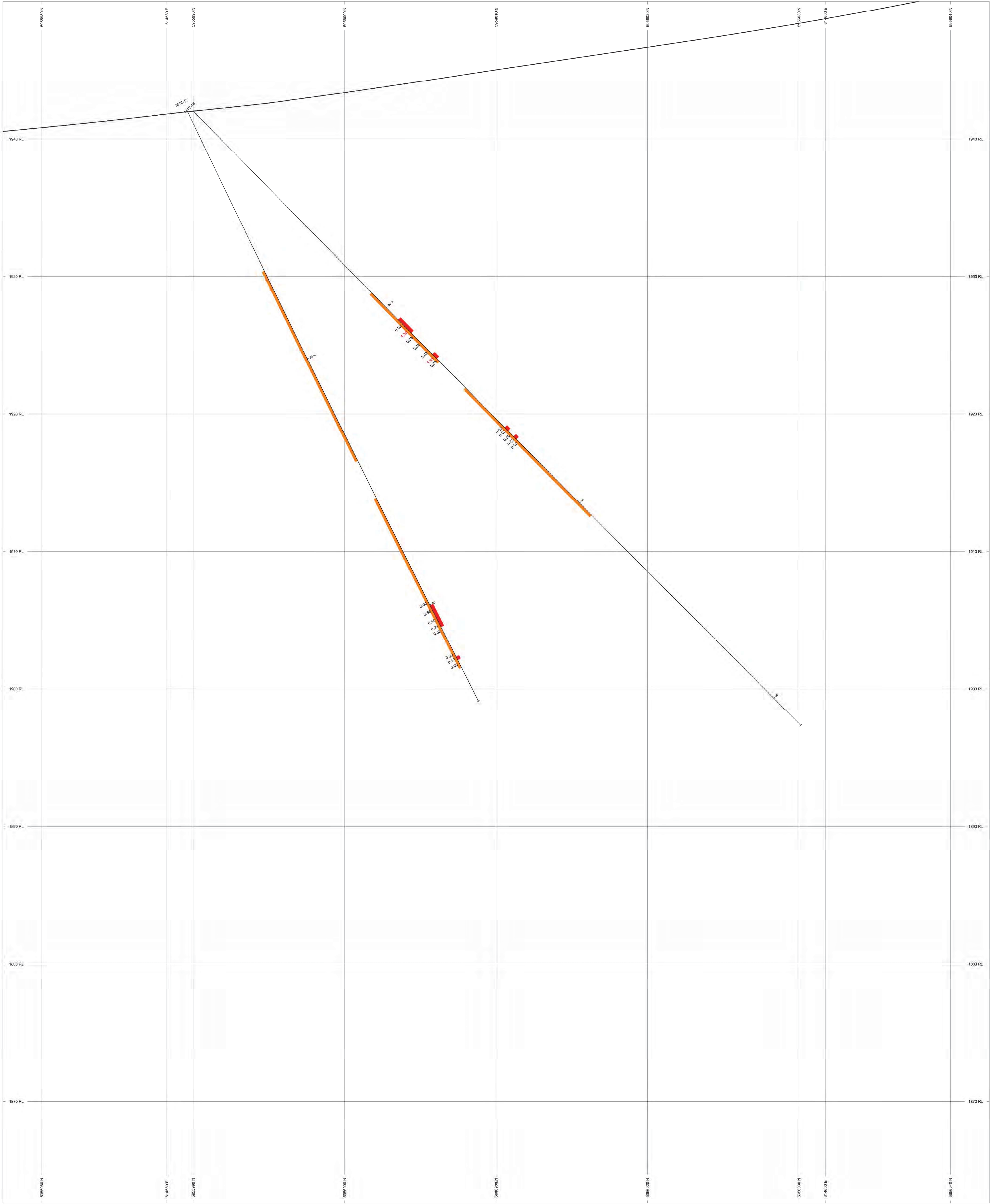
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# HOLES PLOTTED

TOTAL 2  
M12-16 M12-17



TOPOGRAPHY

— Topo Line.GRD

BAR GRAPH L R COL

VEIN P

Bleached/Altered Zone

VALUES L R COL RANGE

Cu% L

SECTION SPECS:

REF. PT. E, N 614590 m 5956010 m

EXTENTS 71.71 m 87.42 m

SECTION TOP, BOT 1960 m 1863 m

TOLERANCE +/- 5 m

SCALE 1 : 100

(m)

1 0 1 2 3 4

unknown

AZIMUTH = 24.7°

N

W E

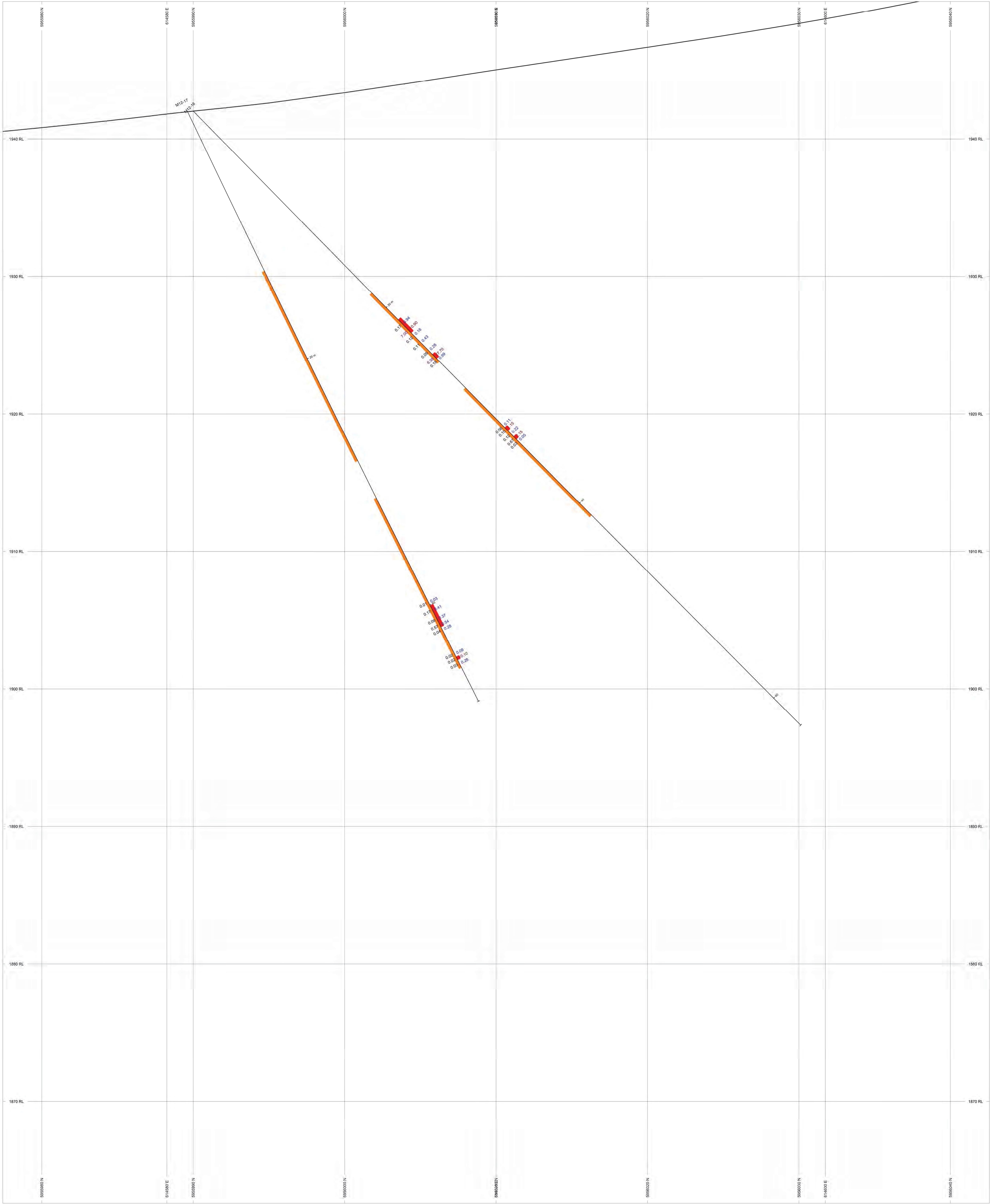
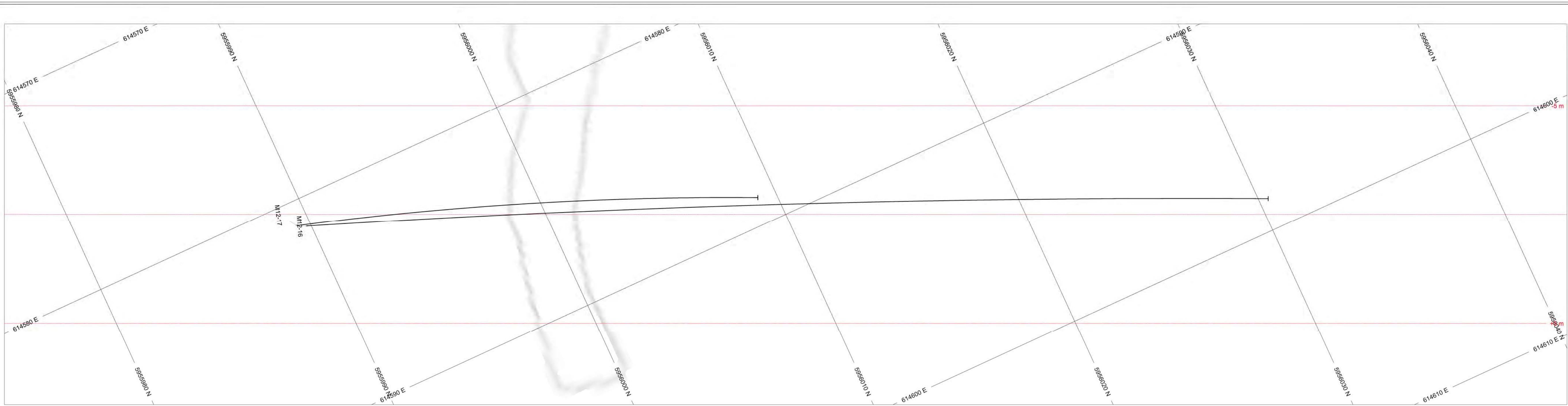
S

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HOLES PLOTTED

TOTAL 2  
M12-16 M12-17

TOPOGRAPHY

Topo Line GRD

BAR GRAPH L R COL

VEN R COL

Bleached\_Altered Zone

VALUES L R COL RANGE

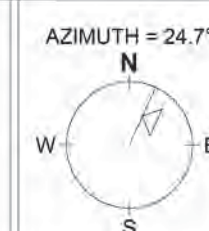
Zn% R COL RANGE

VALUES L R COL RANGE

Py% L COL RANGE

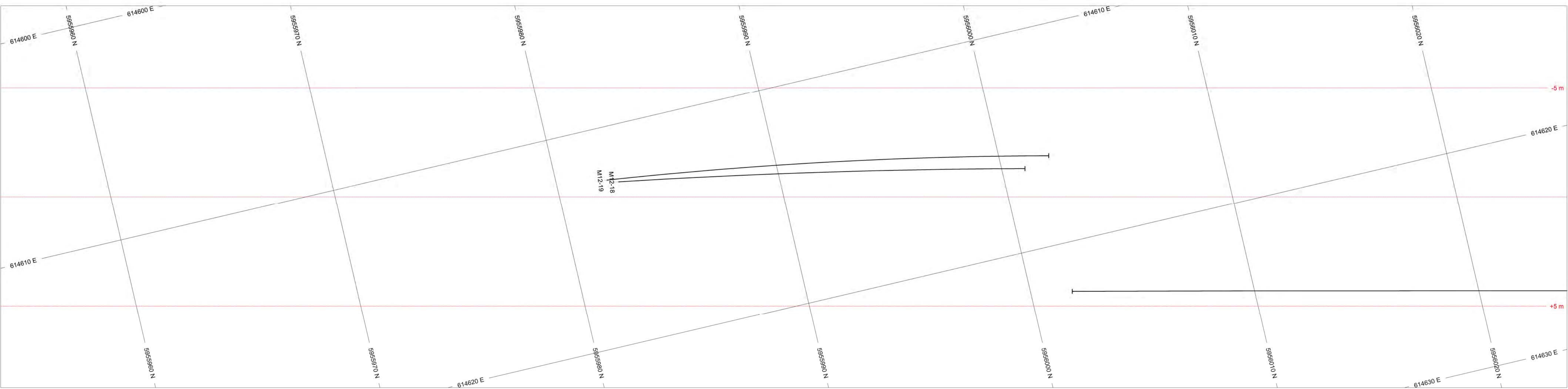
SECTION SPECS:  
REF. PT. E N 614590 m 5956010 m  
EXTENTS 71.71 m 87.42 m  
SECTION TOP BOT 1960 m 1863 m  
TOLERANCE +/- 5 m

SCALE 1 : 100



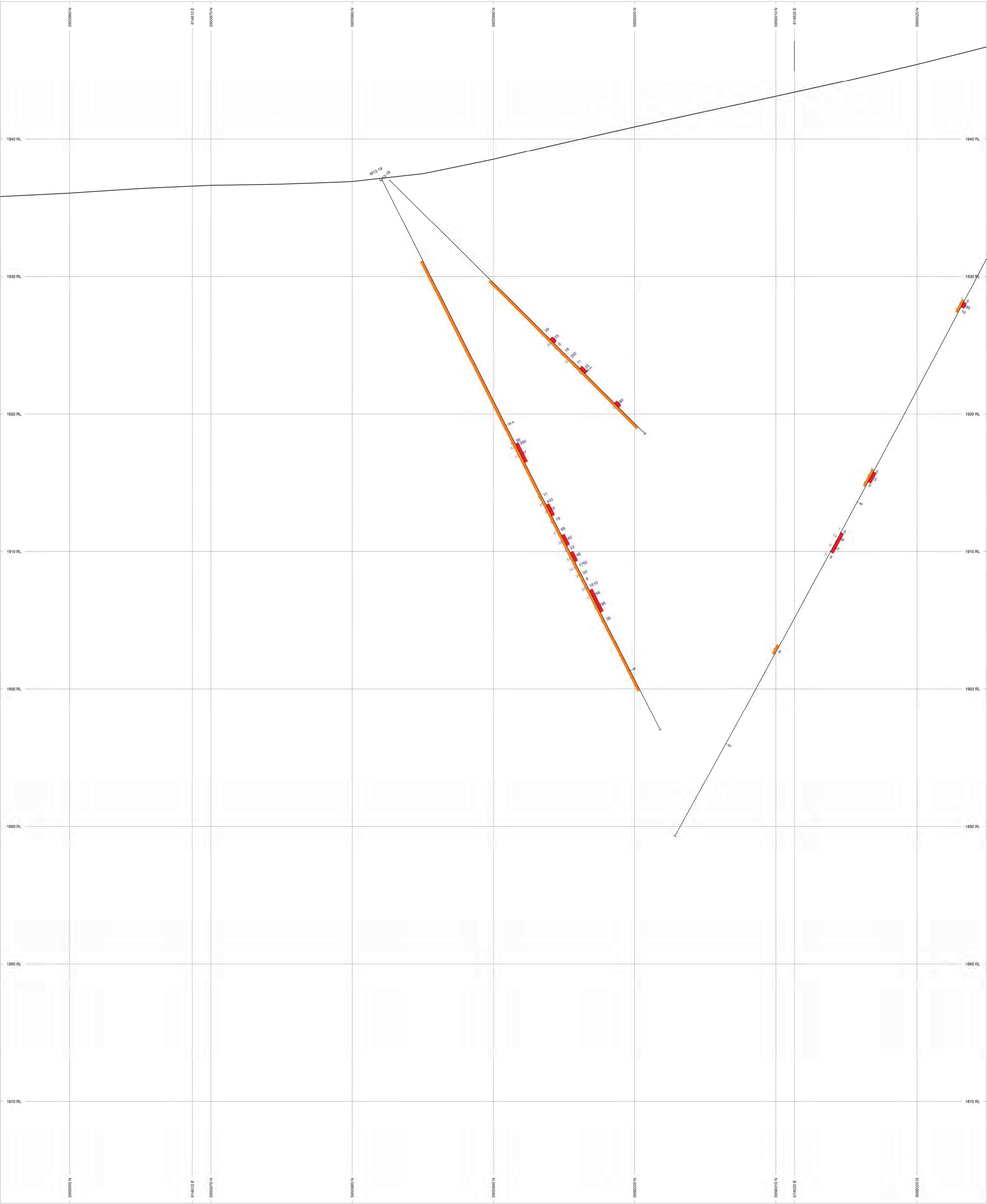
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Miya Property  
2012 Drillhole Cross-Sections





HOLES PLOTTED

TOTAL 3  
M12-18 M12-19 M12-24



TOPOGRAPHY /  
Topo Line GRD  
BAR GRAPHS L/R COL  
VEN R R  
Bleached\_Altered Zone  
ASSAYS L/R TEXT  
Ag PPM L  
Au PPM R

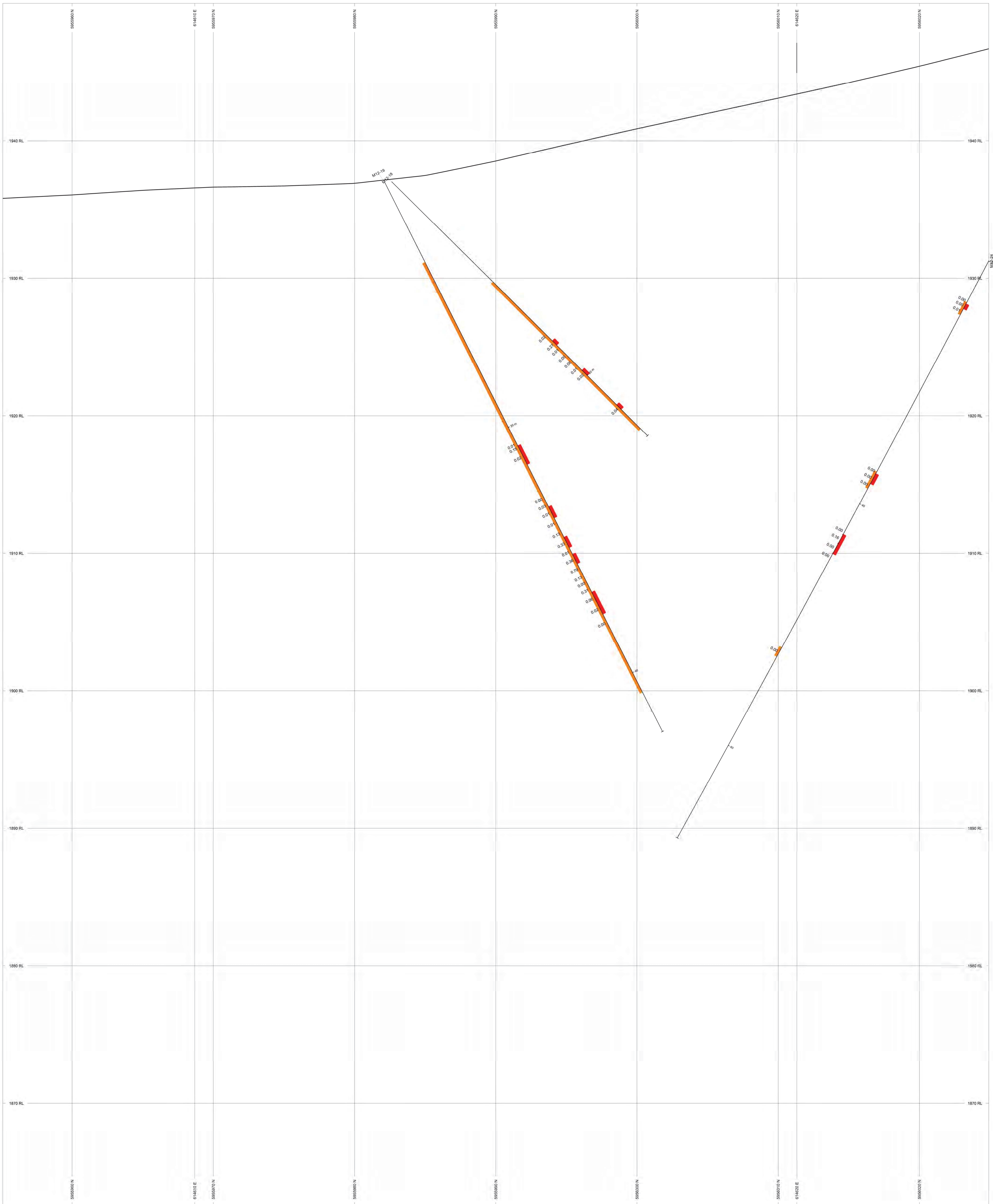
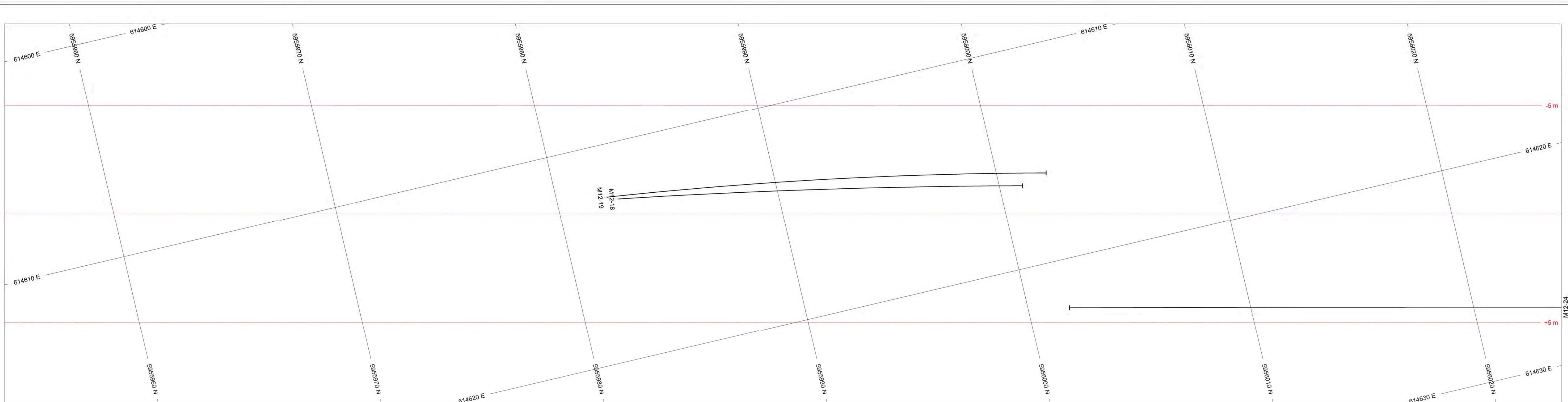
SECTION SPECS:  
REF. PT. E, N 614815 m 5955990 m  
EXTENTS 71.71 m 87.42 m  
SECTION TOP, BOT 1980 m 1983 m  
TOLERANCE +/- 5 m

SCALE 1 : 100  
(m)  
-1 0 1 2 3 4  
"unknown"



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2012 Drillhole Cross-Sections








HOLES PLOTTED

TOTAL 3

M12-18      M12-19      M12-24

M12-18      M12-19      M12-24

**TOPOGRAPHY**  
 — Topo Line.GRD

R&R GRAPHS	L/R	COL	
VEIN	R		
Bleached_Altered Zone			
VALUES	L/R	COL	RANGE
Cu%	L		1

**SECTION SPECS:**

F. PT. E, N	614615 m	5955990 m
TENTS	71.71 m	87.42 m
SECTION TOP, BOT	1950 m	1863 m
TOLERANCE +/-	5 m	

SCALE 1 : 100  
(m)

\*unknown

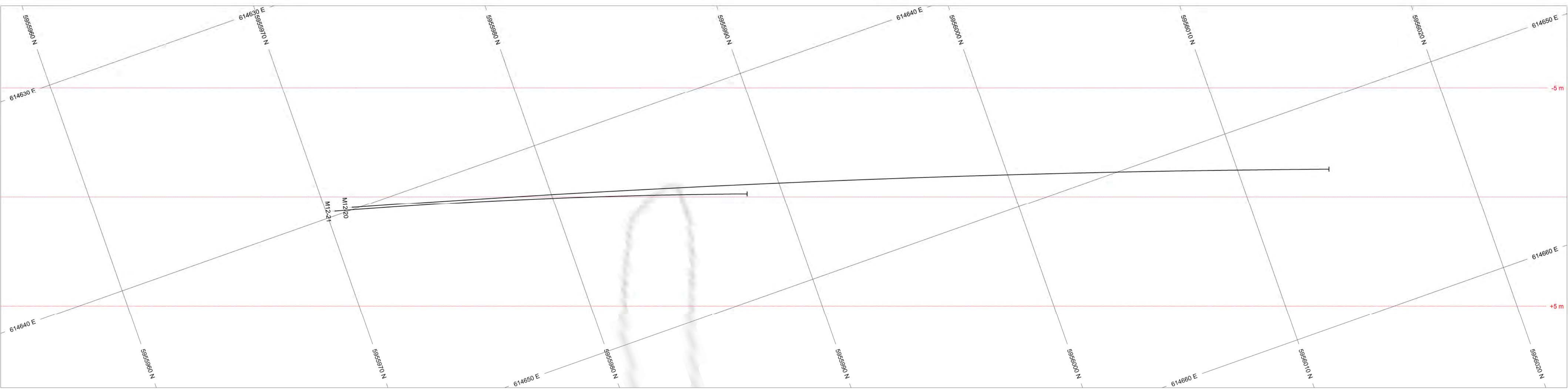


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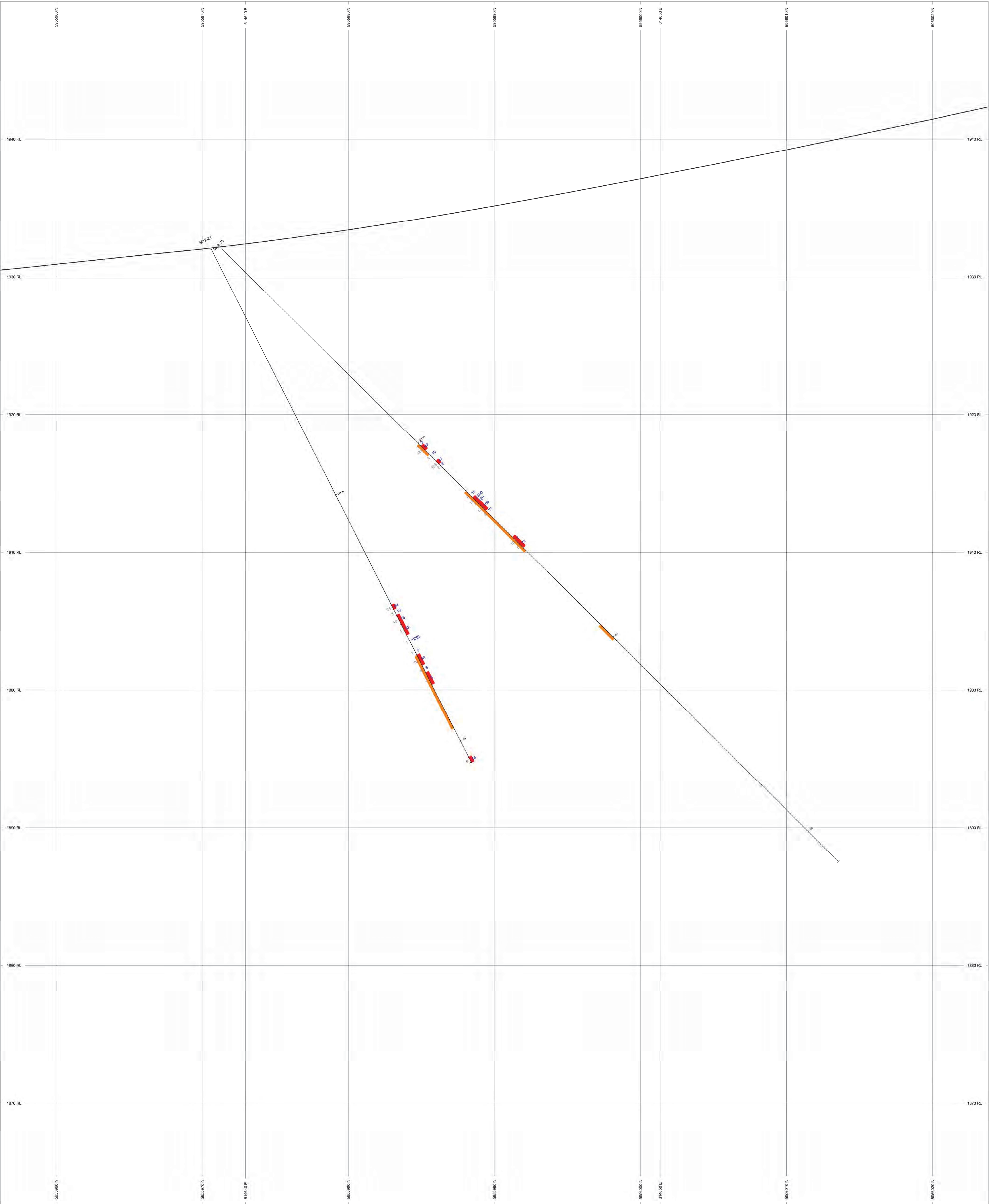






HOLES PLOTTED

TOTAL 2  
M12-20 M12-21



TOPOGRAPHY

Topo Line GRD

BAR GRAPHS L/R COL

VEN R COL

Bleached\_Altered Zone

ASSAYS L/R TEXT

Ag PPM L

Au PPM R

SECTION SPECS:

REF. PT. E, N 614640 m 5955990 m

EXTENTS 71.71 m 87.42 m

SECTION TOP, BOT 1960 m 1863 m

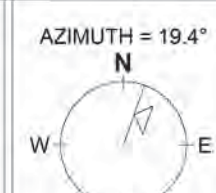
TOLERANCE +/- 5 m

SCALE 1 : 100

(m)

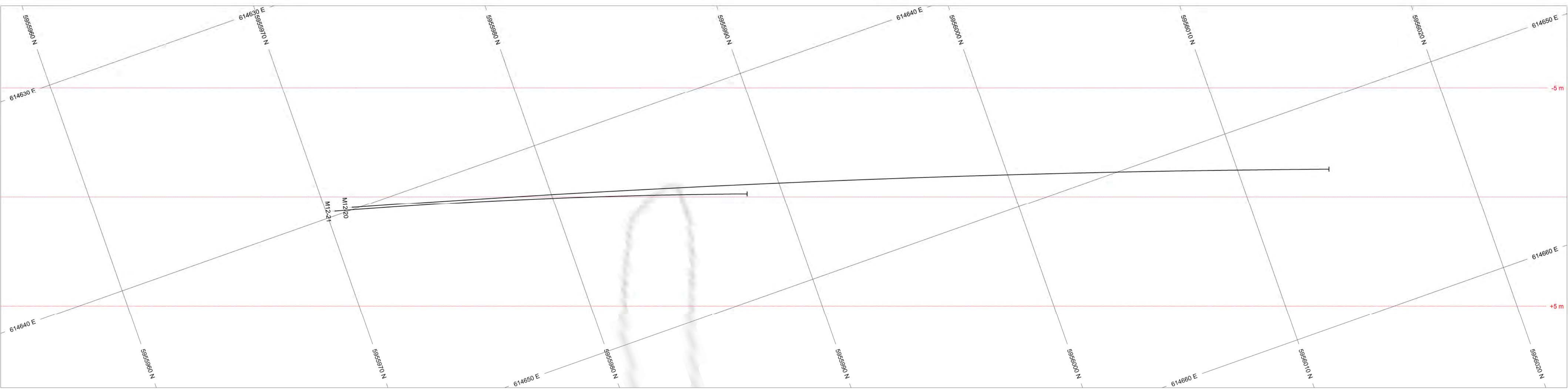
1 0 1 2 3 4

unknown



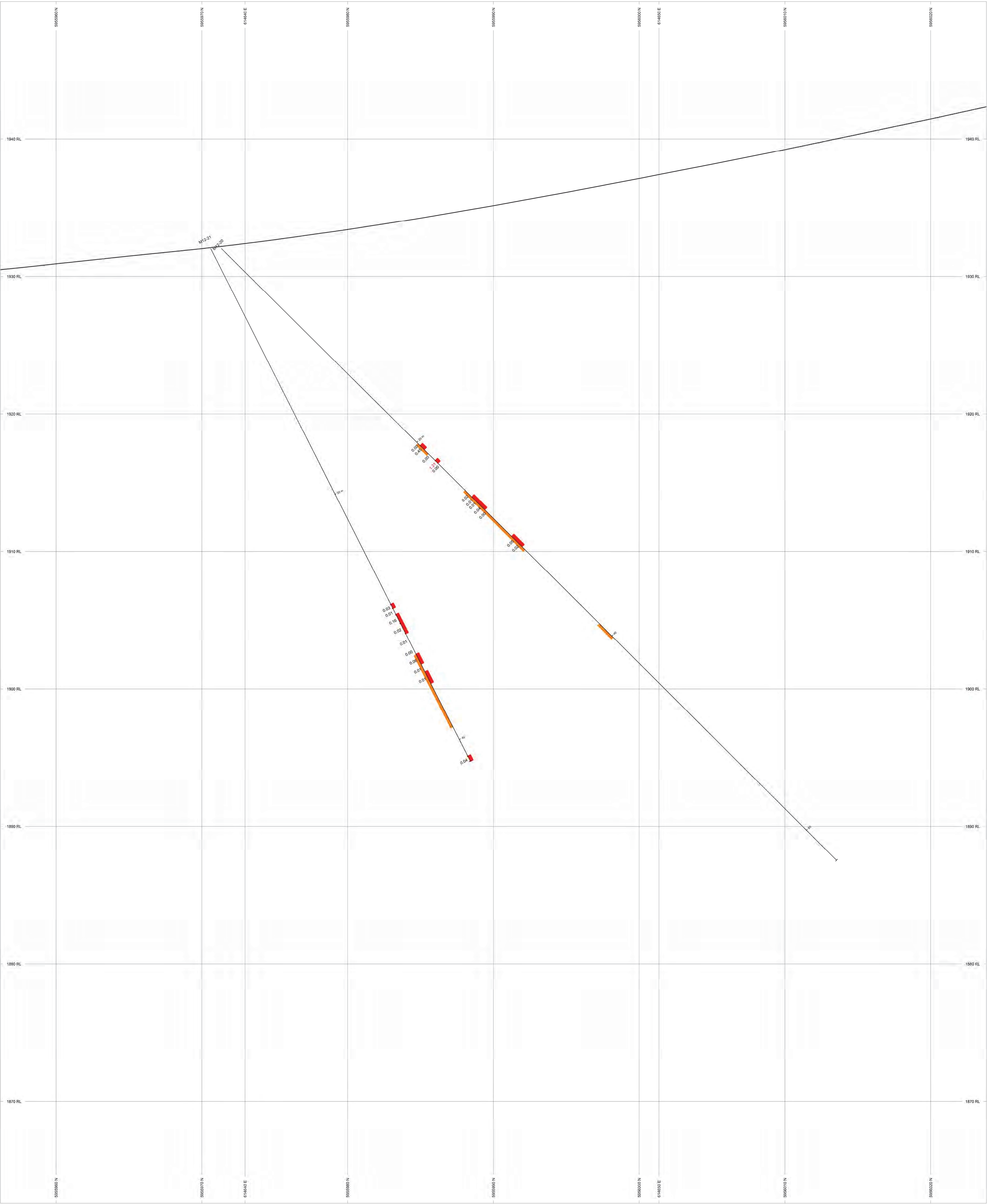
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HOLES PLOTTED

TOTAL 2  
M12-20 M12-21



TOPOGRAPHY

Topo Line GRD

BAR GRAPHIS L/R COL

VEIN P

Bleached/Altered Zone

VALUES L/R COL RANGE

Cu% L

SECTION SPECS:

REF. PT. E, N 614640 m 5955990 m

EXTENTS 71.71 m 87.42 m

SECTION TOP, BOT 1960 m 1863 m

TOLERANCE +/- 5 m

SCALE 1 : 100

(m)

-1 0 1 2 3 4

unknown

AZIMUTH = 19.4°

N

W

E

S

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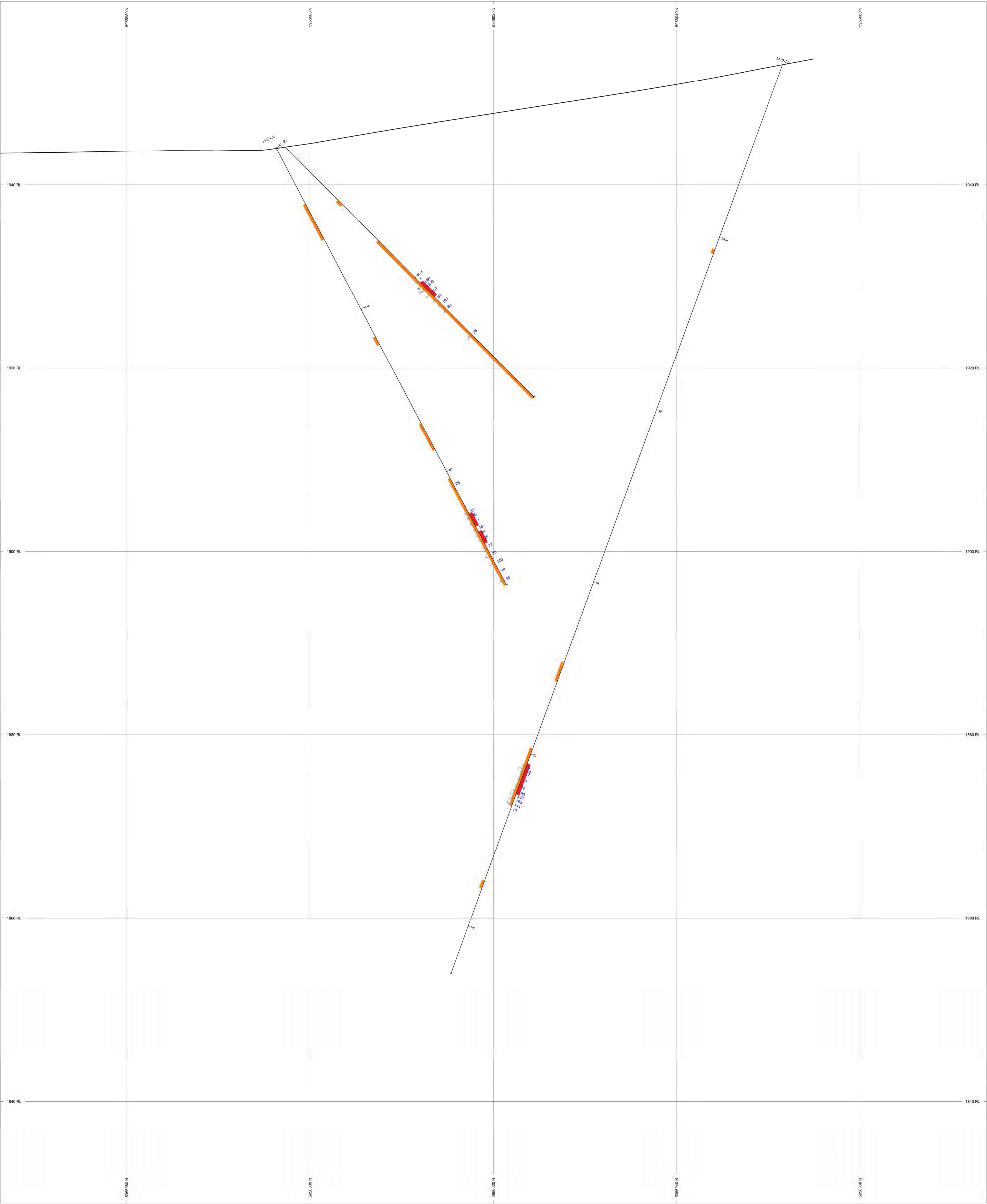
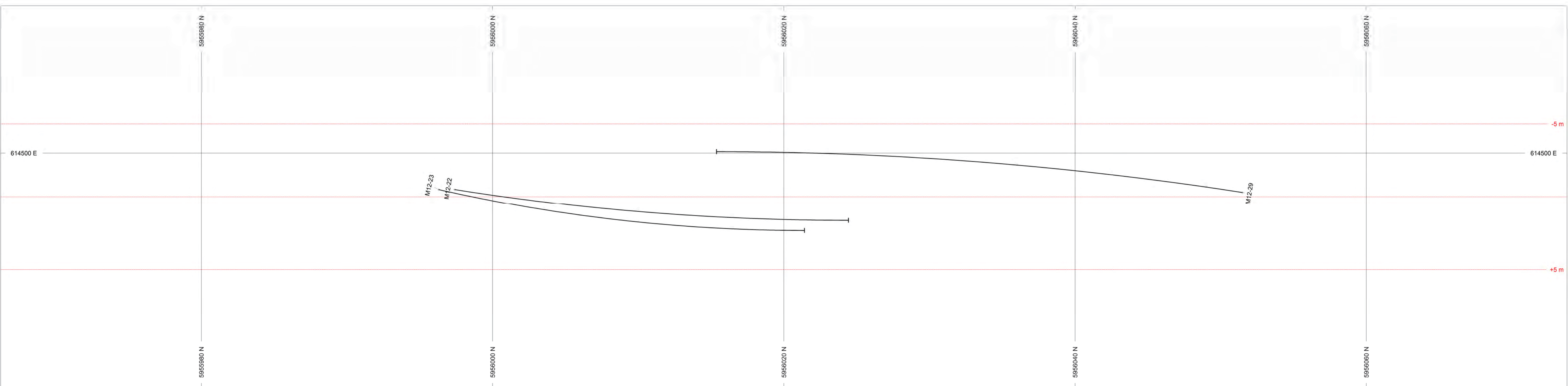
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Holes Plotted

TOTAL 3

M12-22M12-23M12-29

TOPOGRAPHY

Topo Line GRD

BAR GRAPHS

L/R

COL

VEN

R

COL

Bleached/Altered Zone

R

COL

ASSAYS

L/R

TEXT

Ag PPM

L

TEXT

Au PPM

R

TEXT

SECTION SPECS:

REF. PT. E, N

614503 m 5950020 m

EXTENTS

107.6 m 131.1 m

SECTION TOP, BOT

1960 m 1820 m

TOLERANCE +/-

5 m

SCALE 1 : 150

(m)

0 2 4 6

unknown

AZIMUTH = 0°

N

W

E

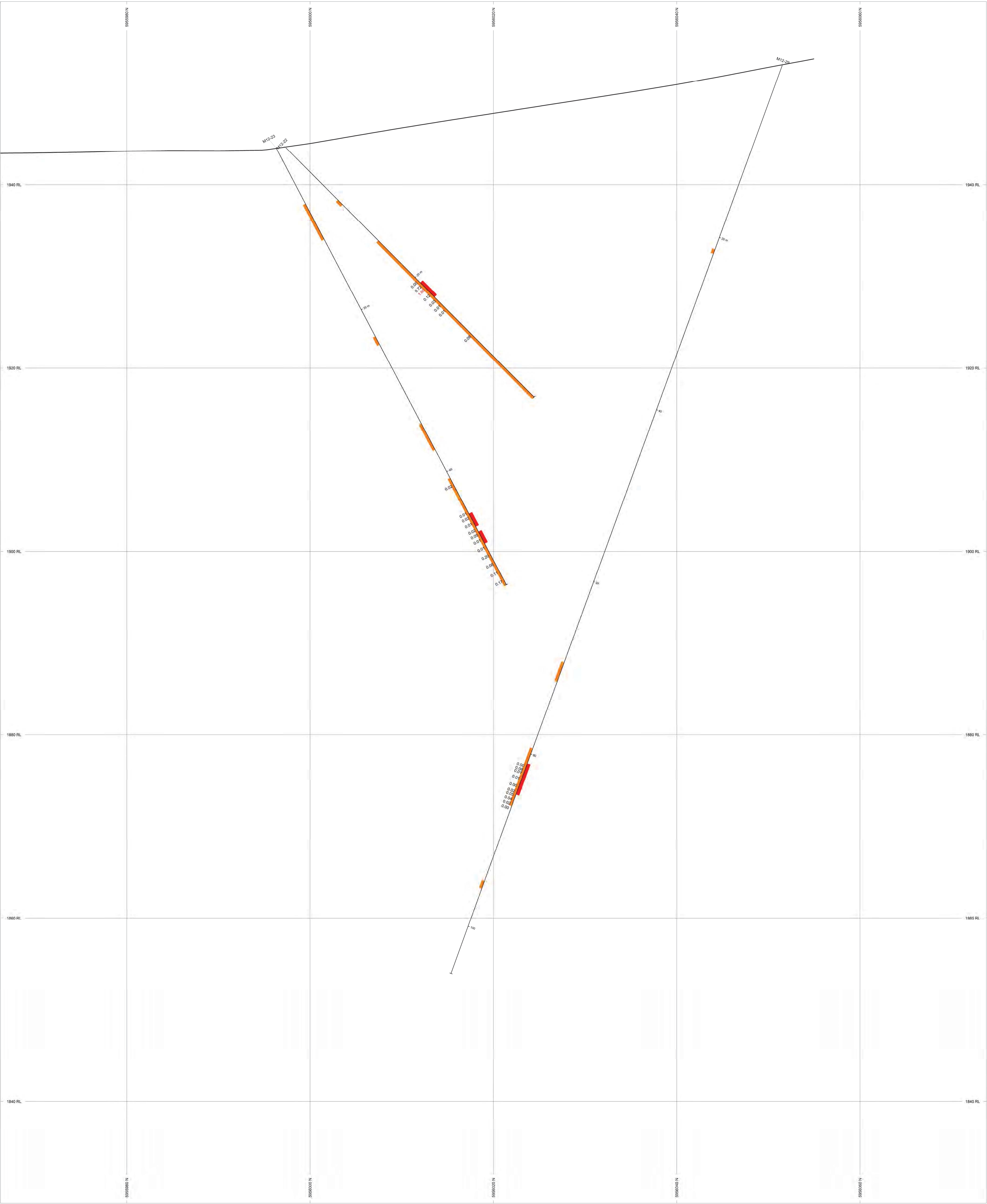
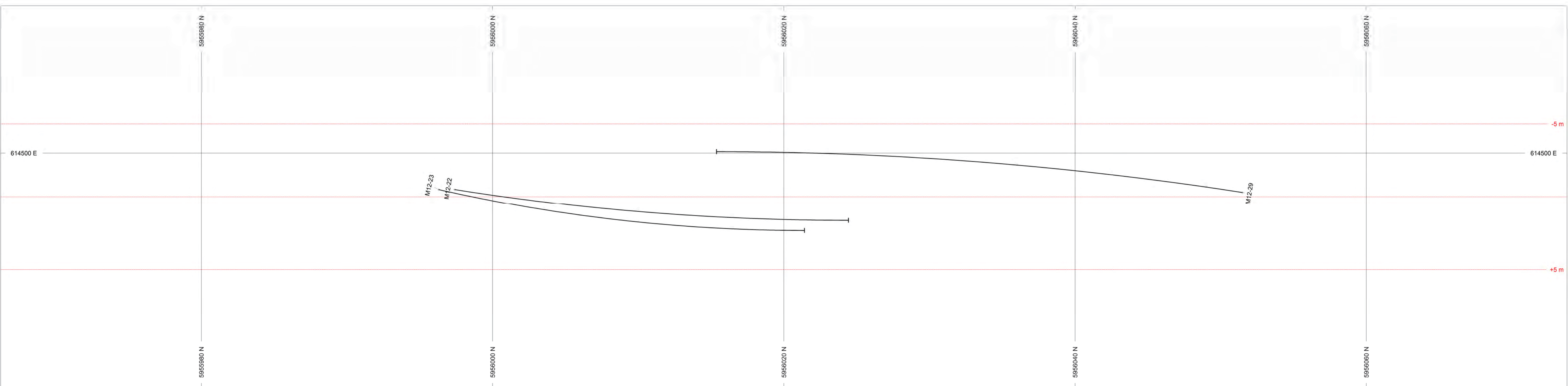
S

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HOLES PLOTTED

TOTAL 3

M12-22    M12-23    M12-29

TOPOGRAPHY

Topo Line GRD

BAR GRAPHS    LIR    COL

VEIN    P

Bleached/Altered Zone

VALUES    LIR    COL    RANGE

Cu%    L

SECTION SPECS:  
REF. PT. E, N    614503 m 5956020 m  
EXTENTS    107.6 m    131.1 m  
SECTION TOP, BOT    1960 m    1829 m  
TOLERANCE +/-    5 m

SCALE 1 : 150

(m)

-2

0

2

4

6

Unknown

AZIMUTH = 0°

N

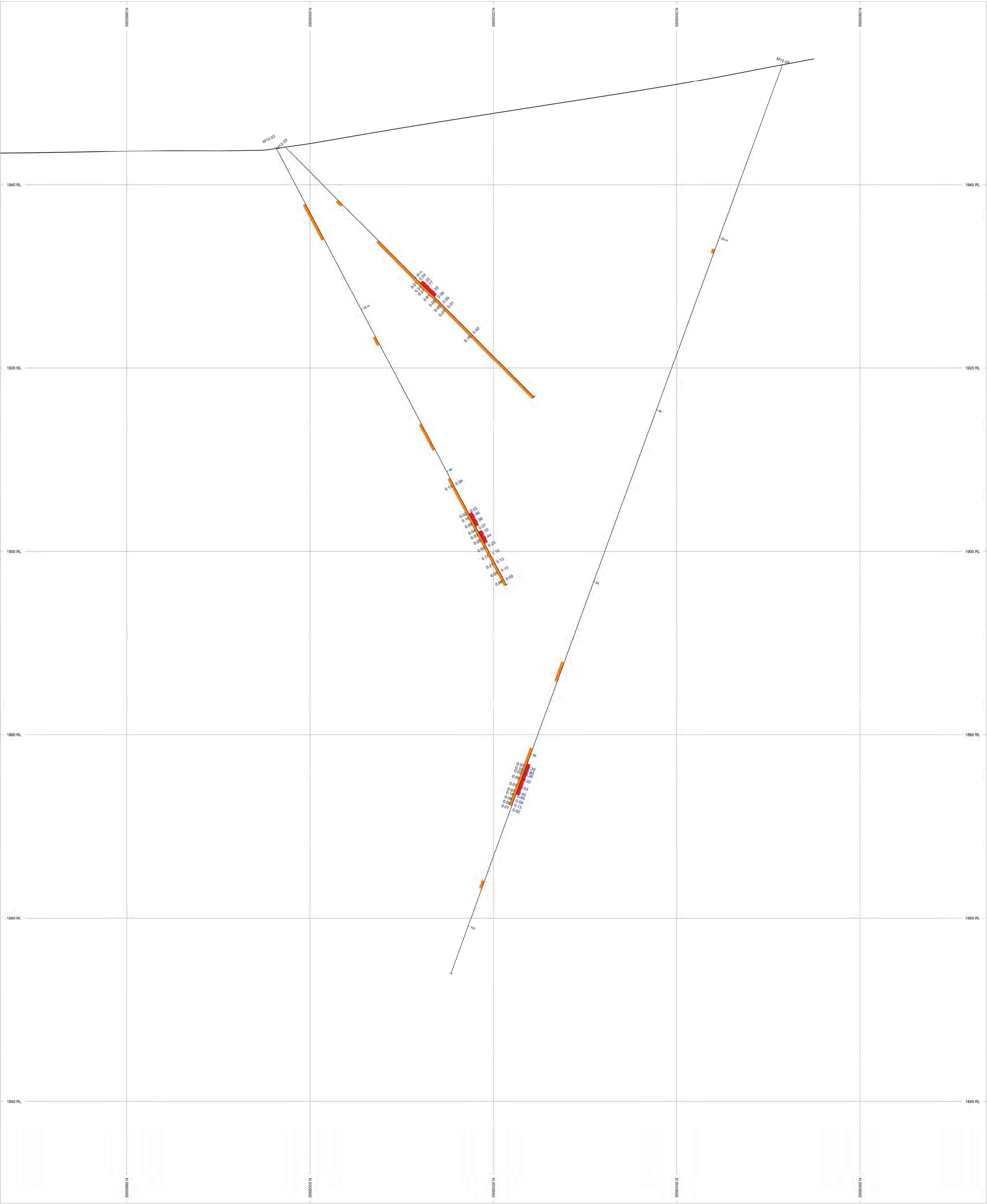
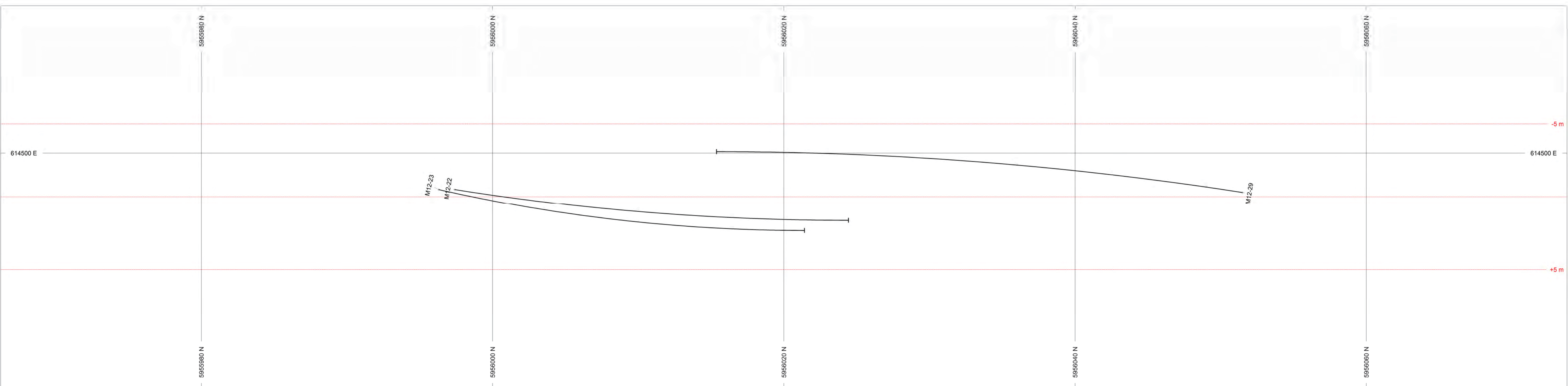
E

S

W

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HOLES PLOTTED

TOTAL 3

M12-22   M12-23   M12-29

TOPOGRAPHY

— Type Line GRD

BAR GRAPHS   L/R   COL

VEIN   R   █

Bleached\_Altered Zone   █

VALUES   L/R   COL   RANGE

Zn%   R   █   1

VALUES   L/R   COL   RANGE

Pb%   L   █   1

SECTION SPECS:

REF. PT. E. N   614503 m 5956020 m

EXTENTS   107.6 m   131.1 m

SECTION TOP, BOT   1960 m   1829 m

TOLERANCE +/-   5 m

SCALE 1 : 150

(m)

— 2   0   2   4   6

unknown

AZMUTH = 0°

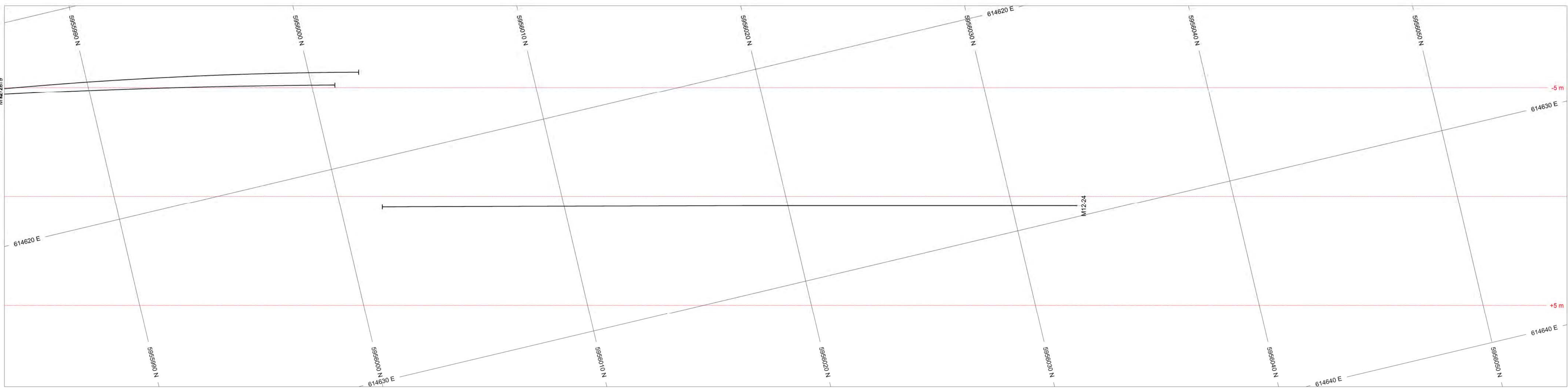
N

W   E

S

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2012 Drillhole Cross-Sections

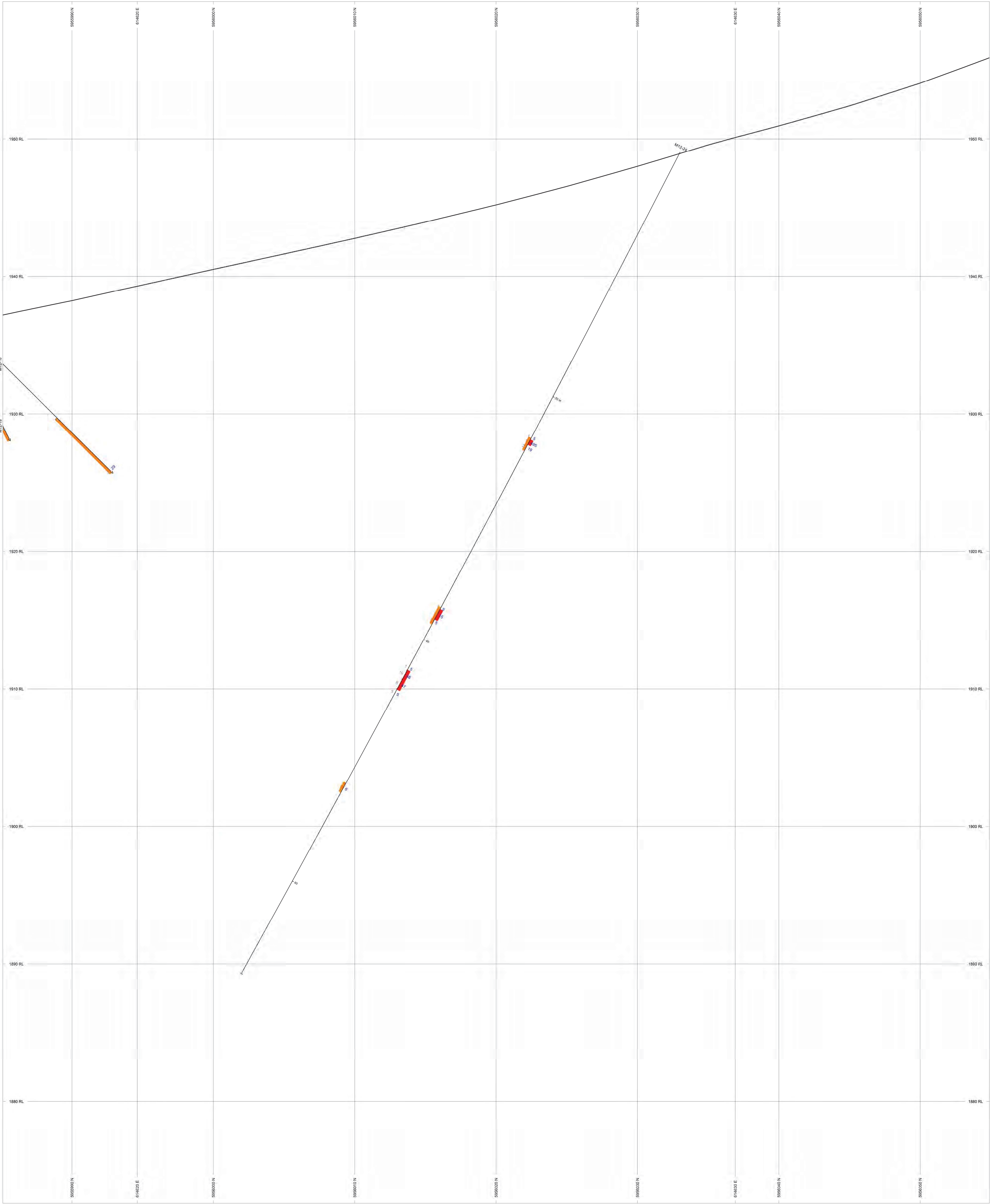




# HOLES PLOTTED

TOTAL 3

M12-18 M12-19 M12-24



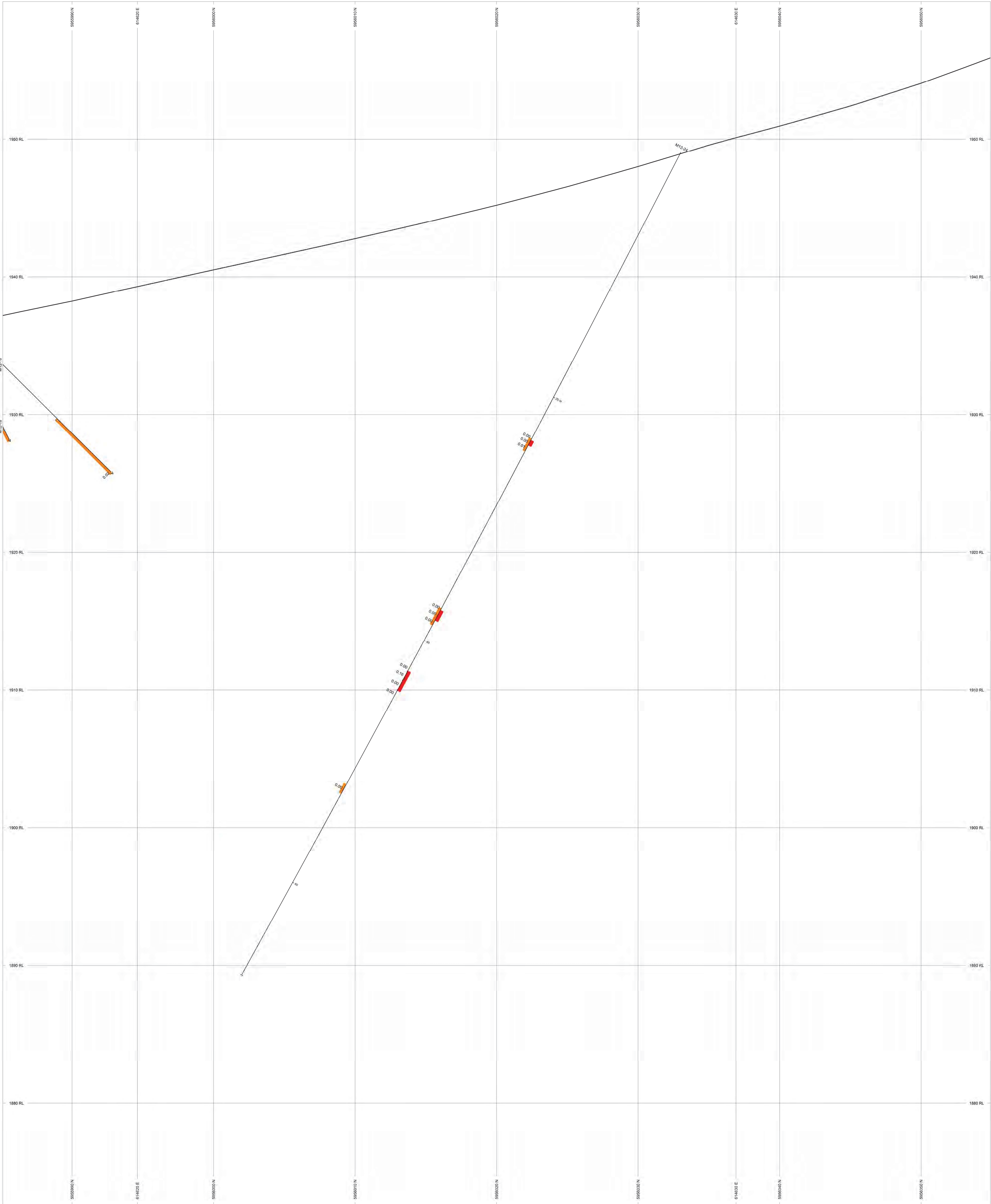
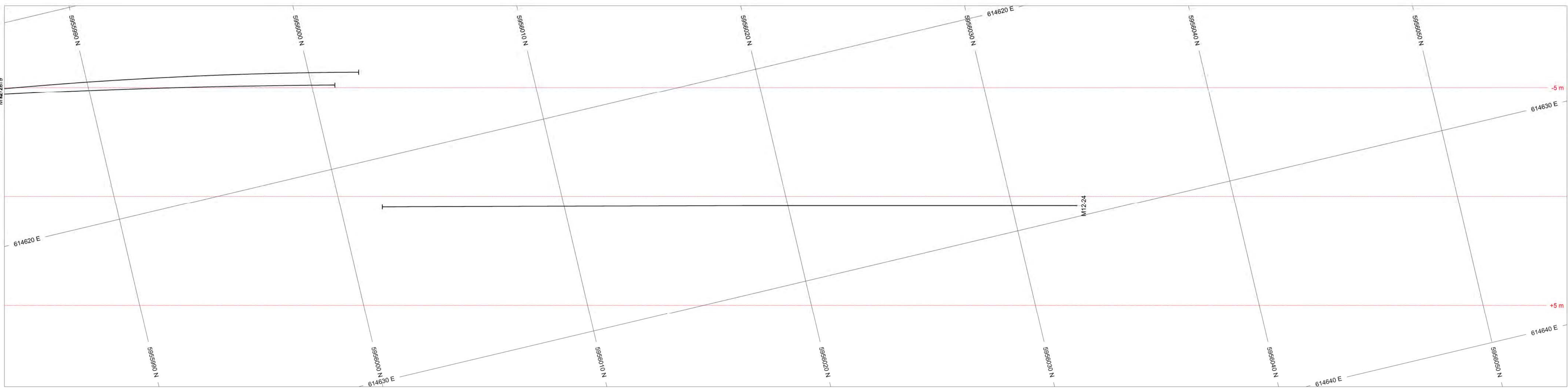
TOPOGRAPHY /  
Topo Line GRD  
BAR GRAPHS L/R COL  
VEN R R  
Bleached\_Altered Zone  
ASSAYS L/R TEXT  
Ag PPM L  
Au PPM R  
SECTION SPECS:  
REF. PT. E, N 614620 m 5956020 m  
EXTENTS 71.71 m 87.42 m  
SECTION TOP, BOT 1960 m 1813 m  
TOLERANCE +/- 5 m

SCALE 1 : 100  
(m)  
-1 0 1 2 3 4  
"unknown"



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HOLES PLOTTED

TOTAL 3

M12-18    M12-19    M12-24

TOPOGRAPHY

Topo Line.GRD

BAR GRAPHS    LIR    COL

VEIN    P    COL

Bleached\_Altered Zone    COL    RANGE

VALUES    LIR    COL    RANGE

Cu%    L    COL    RANGE

SECTION SPECS:

REF. PT. E, N    614620 m 5956020 m

EXTENTS    71.71 m 87.42 m

SECTION TOP, BOT    1960 m 1813 m

TOLERANCE +/-    5 m

SCALE 1 : 100

(m)

-1 0 1 2 3 4

unknown

AZMUTH = 13.3°

N

W

E

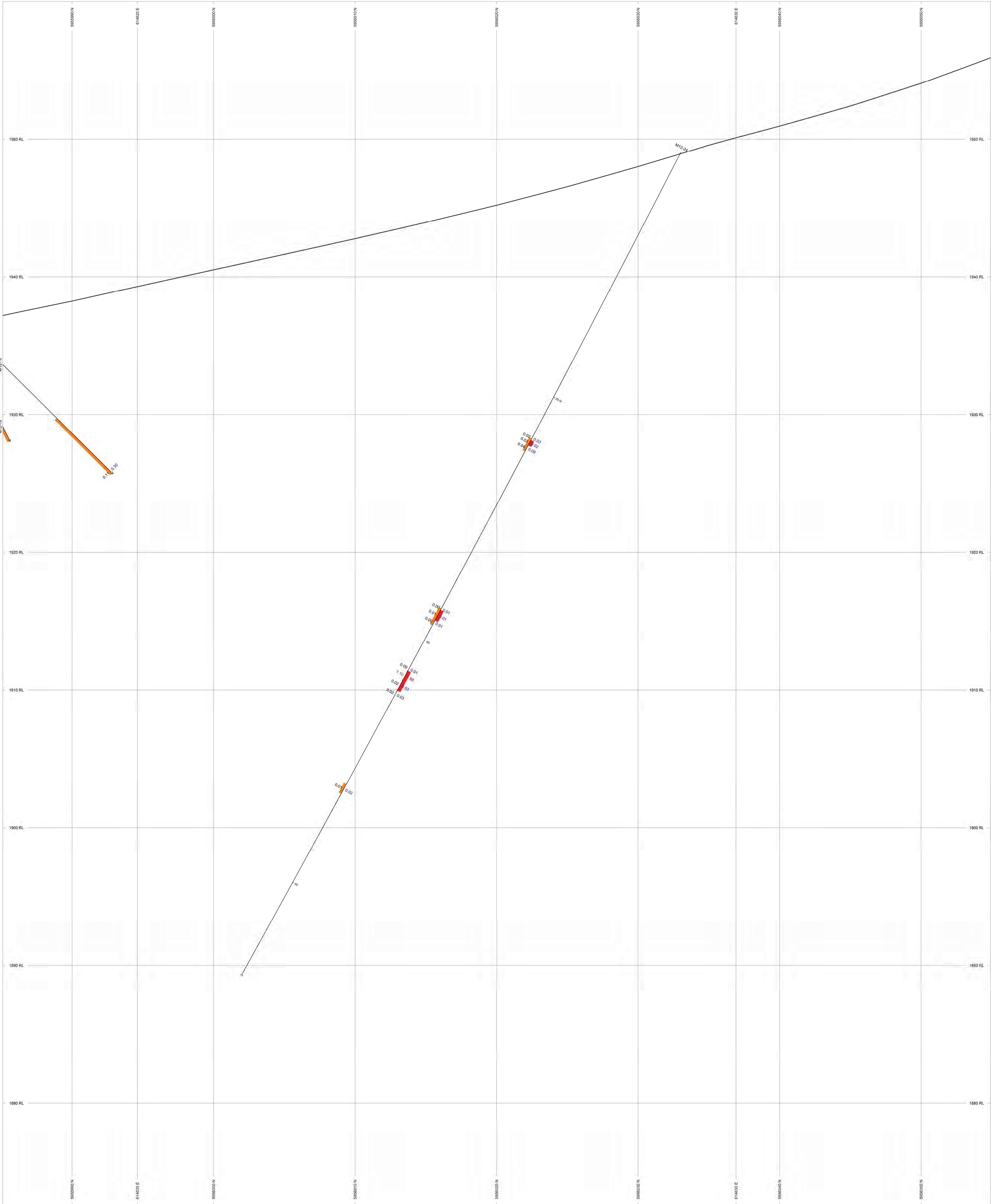
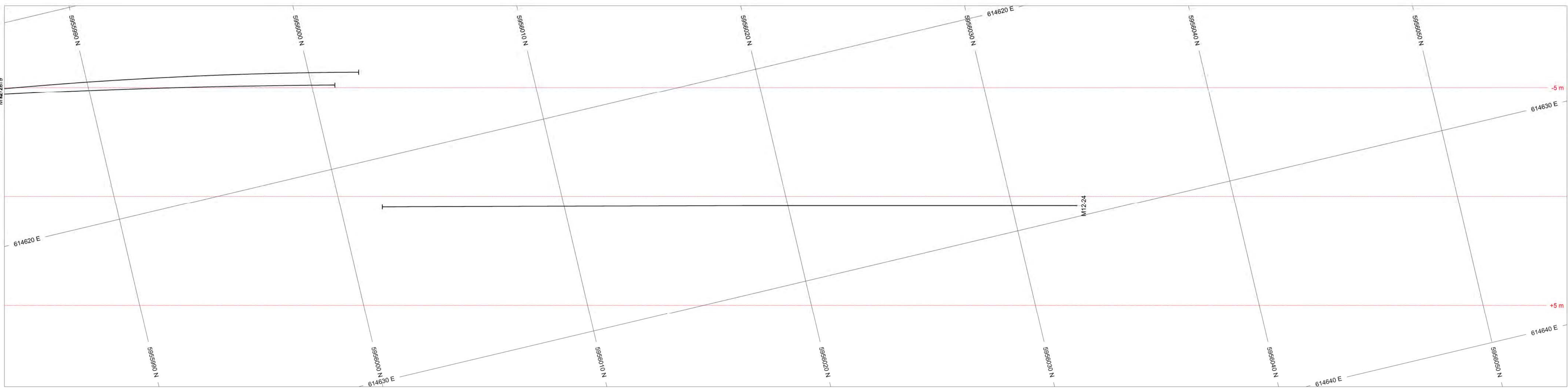
S

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2012 Drillhole Cross-Sections





HOLES PLOTTED

TOTAL 3

M12-18 M12-19 M12-24

TOPOGRAPHY

— Type Line GRD

BAR GRAPHS L/R COL

VEIN R

Bleached\_Altered Zone

VALUES L/R COL RANGE

Zn% R

VALUES L/R COL RANGE

Pb% L

SECTION SPECS:

REF. PT. E. N 614620 m 9565020 m

EXTENTS 71.71 m 87.42 m

SECTION TOP, BOT 1960 m 1873 m

TOLERANCE +/- 5 m

SCALE 1 : 100

(m)

-1 0 1 2 3 4

unknown

AZIMUTH = 13.3°

N

W

E

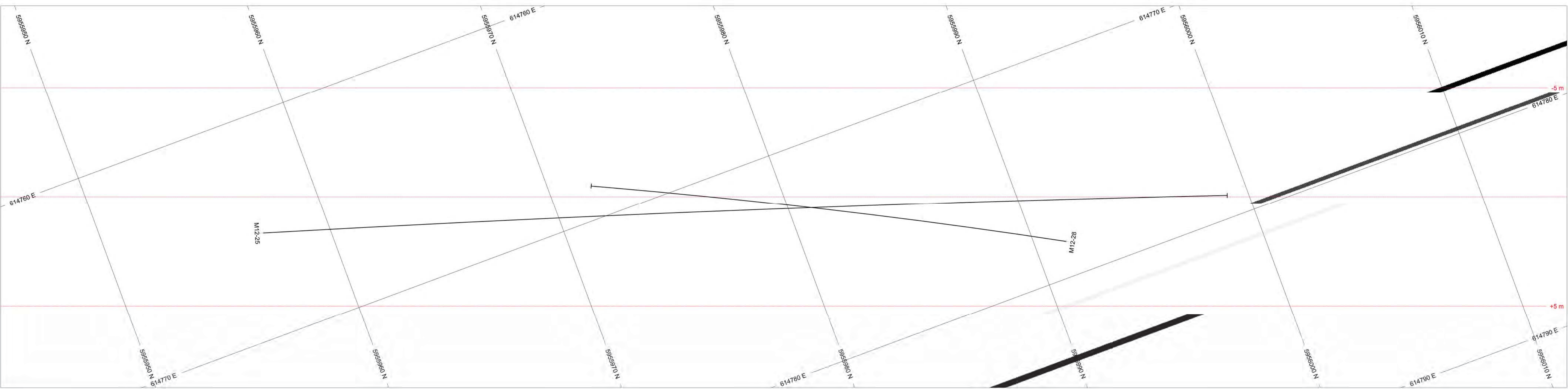
S

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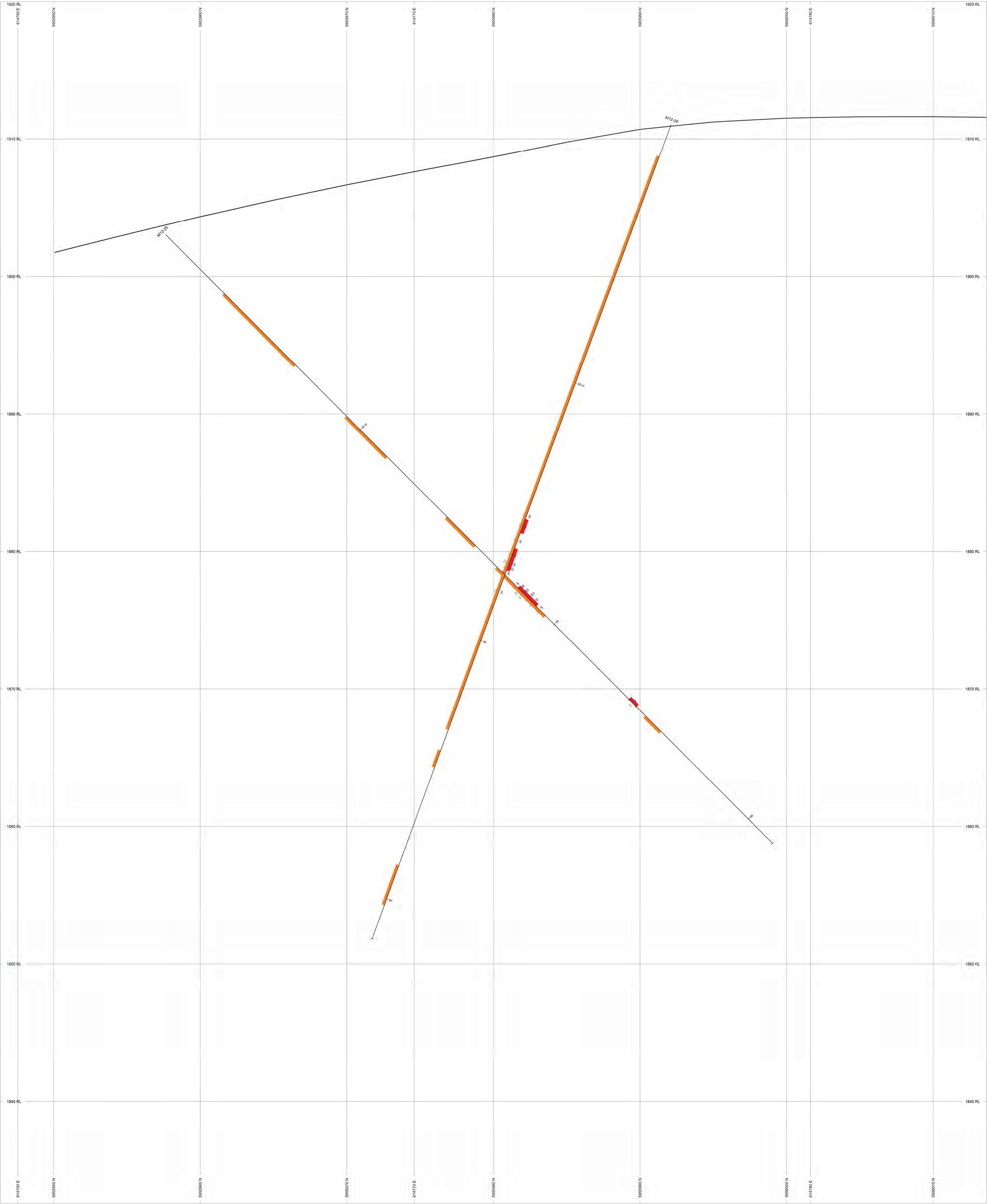
2012 Drillhole Cross-Sections





HOLES PLOTTED

TOTAL 2  
M12-25 M12-28



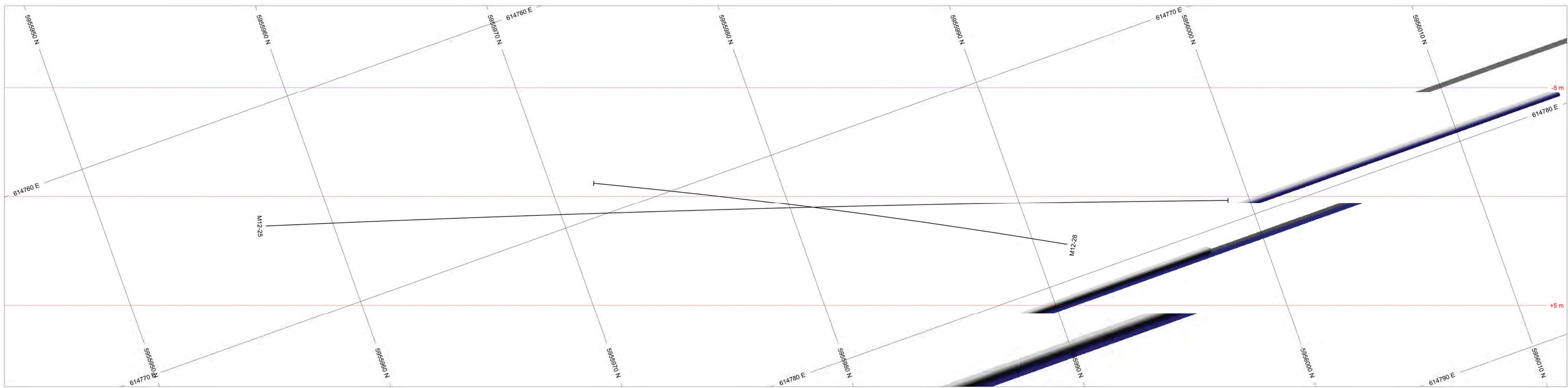
TOPOGRAPHY /  
Topo Line GRD  
BAR GRAPHS L/R COL  
VEN R  
Bleached\_Altered Zone  
ASSAYS L/R TEXT  
Ag PPM L  
Au PPM R  
SECTION SPECS:  
REF. PT. E, N 614772 m 5955980 m  
EXTENTS 71.71 m 87.42 m  
SECTION TOP, BOT 1820 m 1833 m  
TOLERANCE +/- 5 m

SCALE 1 : 100  
(m)  
-1 0 1 2 3 4  
\*unknown



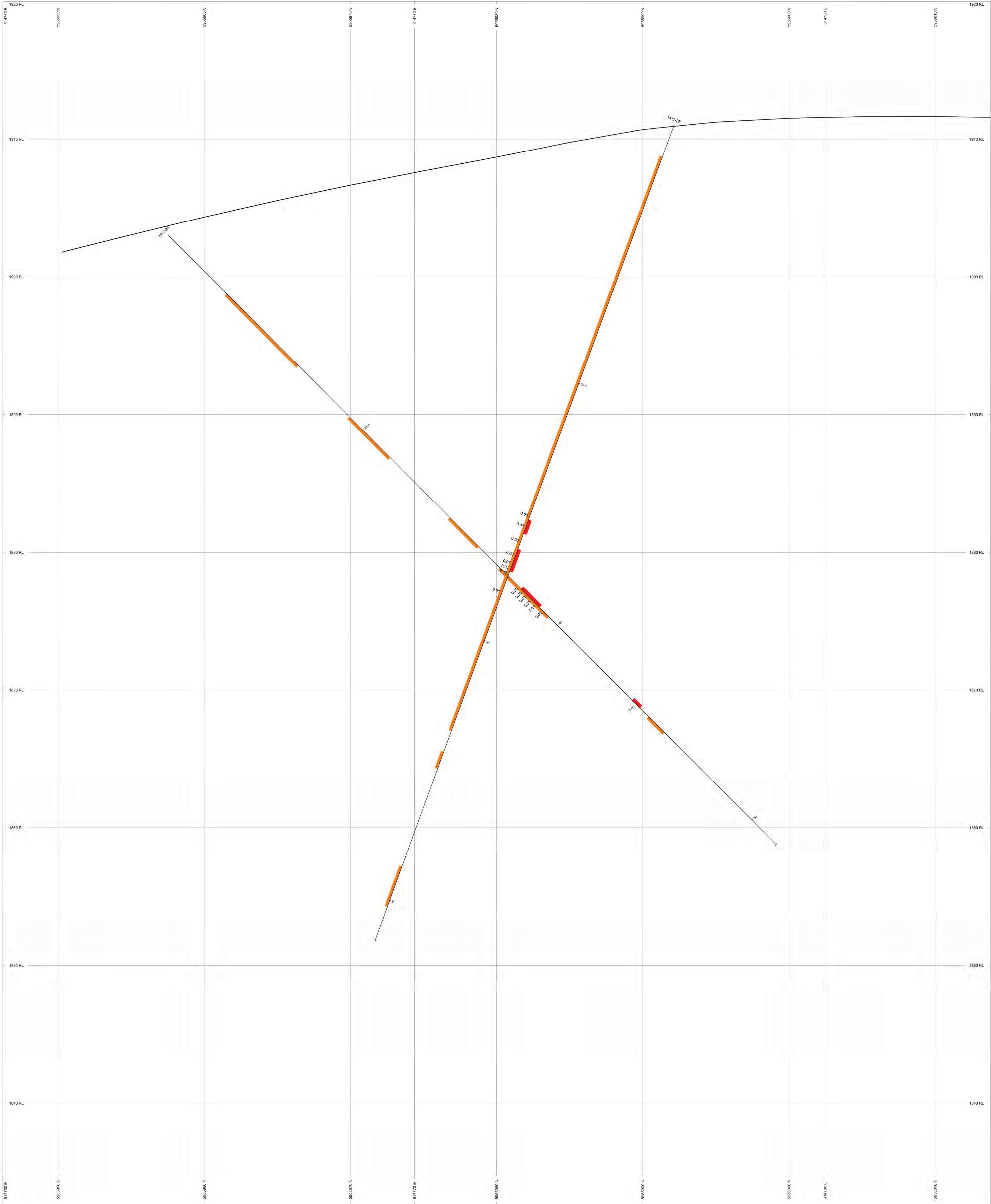
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Miya Property  
2012 Drillhole Cross-Sections





HOLES PLOTTED

TOTAL 2  
M12-25 M12-28



TOPOGRAPHY

Topo Line GRD

BAR GRAPHIS LIR COL

VEIN P

Bleached\_Altered Zone

VALUES LIR COL RANGE

Cu% L

SECTION SPECS:

REF. PT. E, N 614772 m 5955980 m

EXTENTS 71.71 m 87.42 m

SECTION TOP, BOT 1820 m 1833 m

TOLERANCE +/- 5 m

SCALE 1 : 100

(m)

1 0 1 2 3 4

unknown

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Miya Property

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

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2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

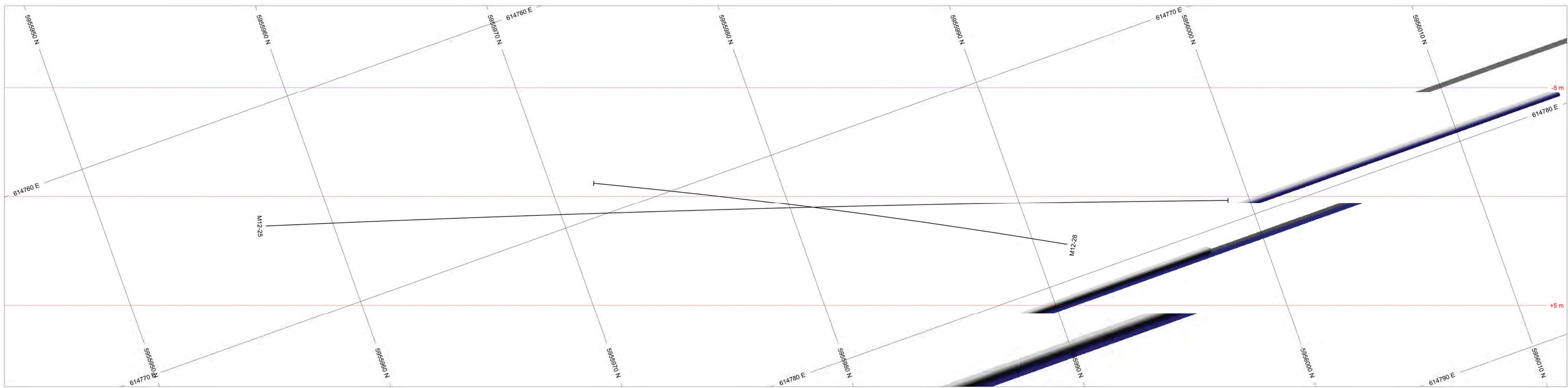
2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections

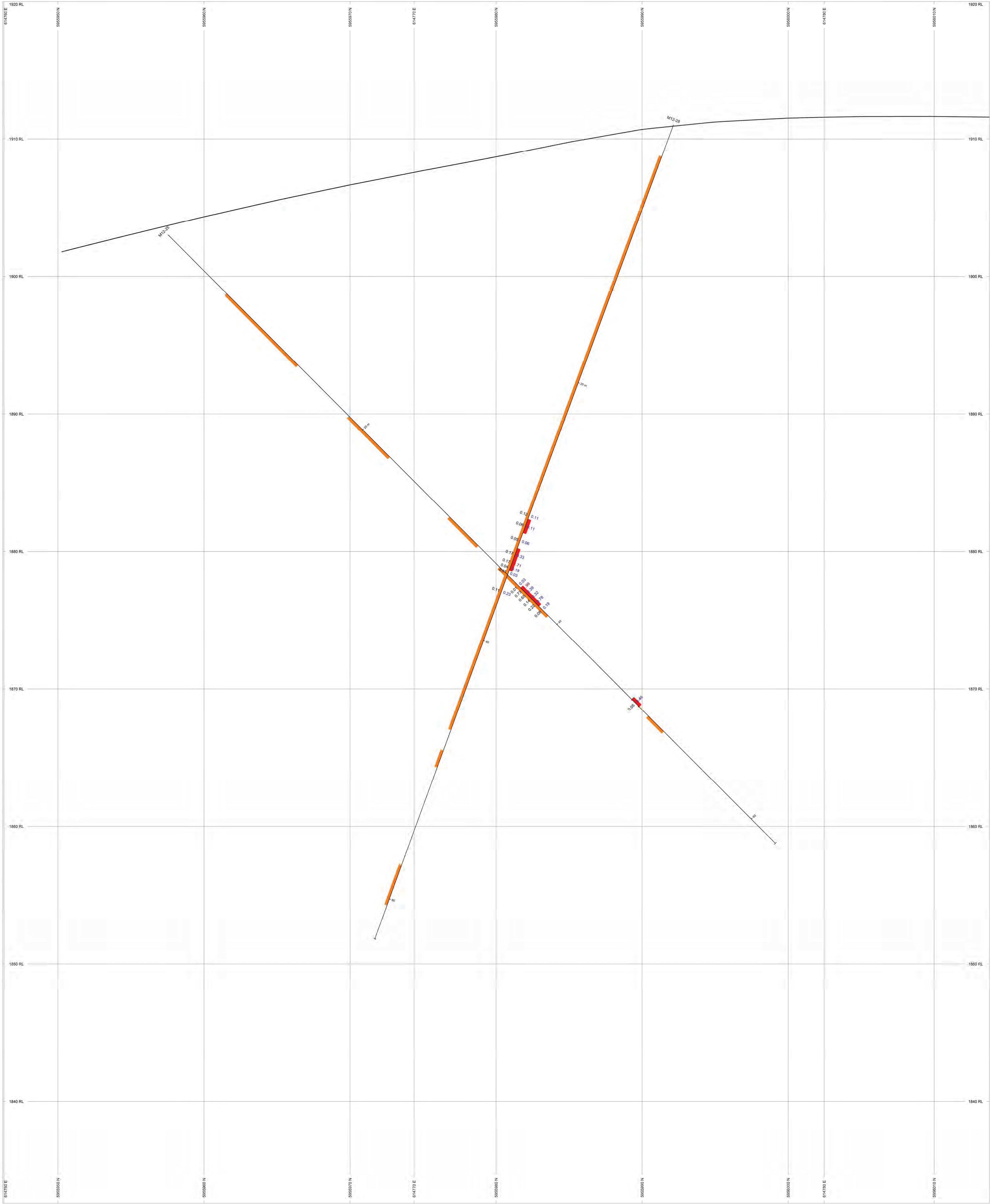
2012 Drillhole Cross-Sections

2012 Drillhole Cross-Sections





HOLES PLOTTED  
TOTAL 2  
M12-28 M12-28



TOPOGRAPHY

Topo Line GRD

BAR GRAPHS L/R COL

VEIN R

Bleached\_Altered Zone

VALUES L/R COL RANGE

Zn% R

VALUES L/R COL RANGE

Py% L

SECTION SPECS:

REF. PT. E, N 614772 m 5955980 m

EXTENTS 71.71 m 87.42 m

SECTION TOP, BOT 1920 m 1853 m

TOLERANCE +/- 5 m

SCALE 1 : 100

(m)

1 0 1 2 3 4

unknown

AZIMUTH = 19.6°

N

W E

S

Lowprofile Ventures Ltd

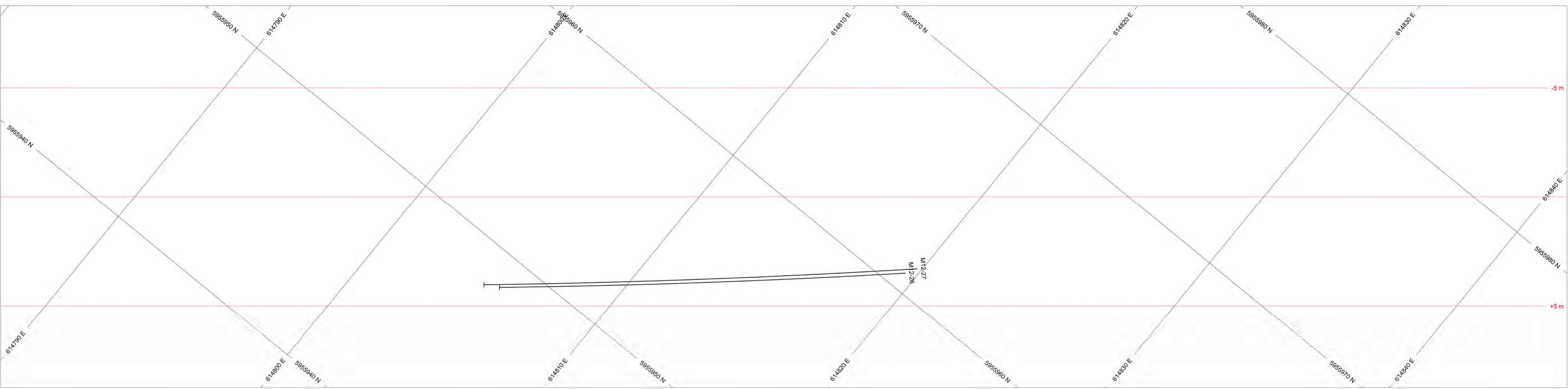
Miya Property

2012 Drillhole Cross-Sections

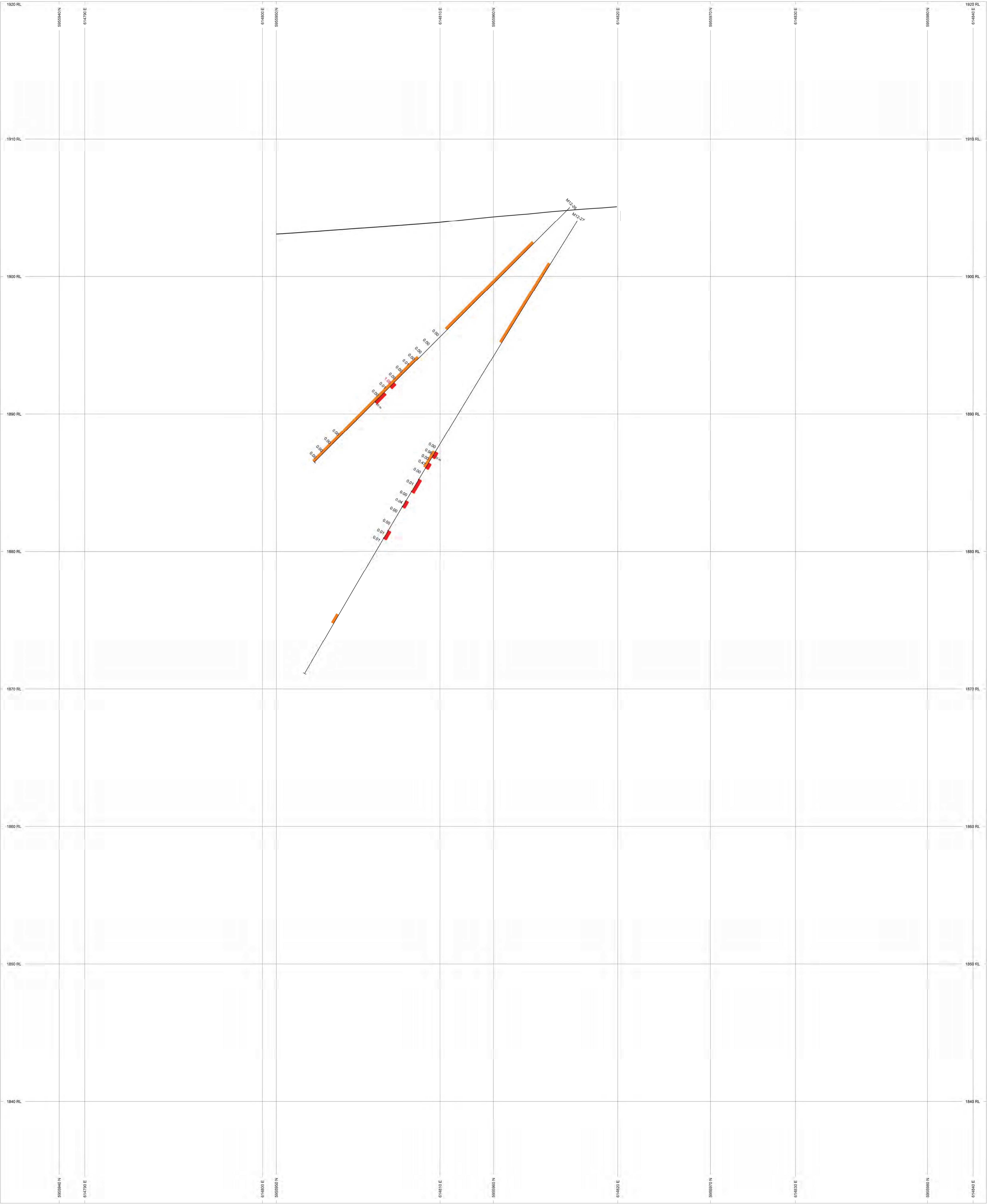











HOLES PLOTTED  
TOTAL 2  
M12-26 M12-27



TOPOGRAPHY  
Top Line GRD

BAR GRAPHS L R C%  
VEIN P.   
Bleached/Altered Zone 

VALUES L R C% RANGE  
Cv% L  1

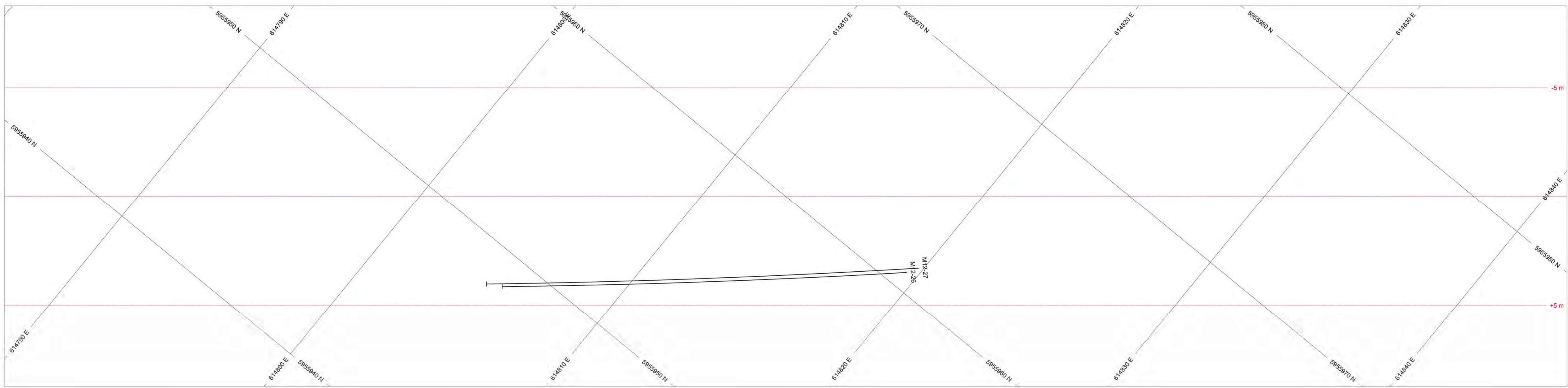
SECTION SPECS:  
REF. PT. E. N 614813 m 5955960 m  
EXTENTS 71.71 m 87.42 m  
SECTION TOP BOT 1820 m 1853 m  
TOLERANCE +/- 5 m

SCALE 1 : 100  
(m)  
-1 0 1 2 3 4  
\*unknown

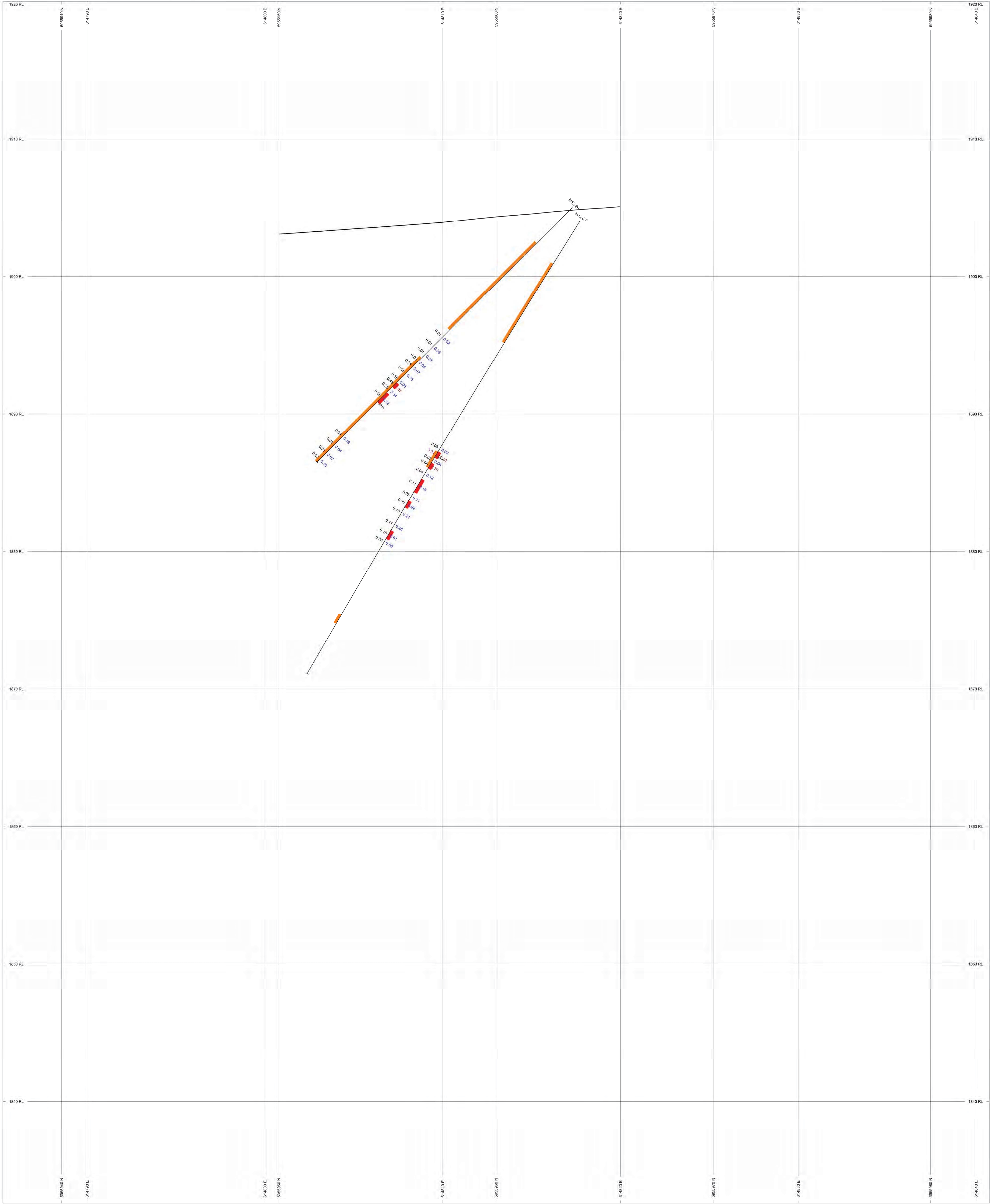
AZIMUTH = 90.7°  
N  
W E  
S

Lowprofile Ventures Ltd  
Miya Property  
2012 Drillhole Cross-Sections





HOLES PLOTTED  
TOTAL 2  
M12-26 M12-27



TOPOGRAPHY

Topo Line GRD

BAR GRAPHS L/R COL

VEN R

Bleached\_Altered Zone

VALUES L/R COL RANGE

Zn% R

VALUES L/R COL RANGE

Pb% L

SECTION SPECS:

REF. PT. E. N 614813 m 5955960 m

EXTENTS 71.71 m 87.42 m

SECTION TOP BOT 1920 m 1853 m

TOLERANCE +/- 5 m

SCALE 1 : 100

(m)

1 0 1 2 3 4

unknown

AZIMUTH = 90.7°

N

W

E

S

Lowprofile Ventures Ltd  
Miya Property  
2012 Drillhole Cross-Sections



## APPENDIX IV: CORE LOGS

<b>Company: Low Profile Ventures</b>					<b>Project: Miya</b>		<b>DDH Number: M12-01</b>		
					<b>NTS: 093E/11</b>				
<b>UTM:</b>	9U NAD83	<b>Length:</b>	26.21	<b>Collar Elev:</b>	1911.80	<b>Core Size:</b>	HQ	<b>Surveyed by:</b>	Tyhee
<b>E:</b>	614671.30	<b>Azimuth:</b>	25	<b>Start Date:</b>	2-Sep-2012	<b>Contractor:</b>	Titan	<b>Units:</b>	Metres
<b>N:</b>	5955967.70	<b>Dip:</b>	-45	<b>End Date:</b>	2-Sep-2012	<b>Date Logged:</b>	3-Sep-2012	<b>Logged by:</b>	R Boyce
Comments: First hole drilled, from Pad "U"; veins found closer than target depth, fault at target depth.									
Summary: Veins scattered 7.3 - 8.97m and 18.0 - 19.22m, with fault gouge at downhole end (Miya Vein 18.75 - 19.22m)									
<b>Metres</b>		<b>%</b>	<b>%</b>						
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>			
0.00	1.22					Overburden			
1.22	4.88			3	orange-brown	Intermediate Fragmental Volcanic (Lapilli Tuff). Sections feldspar-porphyritic (possibly large Moderate-intense weathered/oxidized to 4.0m, weak-moderate to 4.88m.			
						Well-fractured at 55 degrees to core axis, less often at 20 degrees			
						Rubbly/gougy sections with spots/dendrites pyrolusite, fragments quartz-carbonate-sphalerite-pyrite			
						Alteration moderate argillic, with disseminated pyrite, local chlorite			
5.22	19.22			4	grey-buff	4.3 - 4.4m: stockwork quartz-pyrite-galena			
						Fragmental Andesite(?) as above, with porphyritic sections to 15cm			
						Patchy moderate weathered/oxidized near frcs, approx 15% of unit			
						weak-moderate argillic alteration, propylitic sections, increasing silica near veins			
						Moderate fractured at 55 degrees to core axis (rarely 20 degrees)			
						Veins at 55 degrees or irregular, 2mm - 2cm, locally vuggy/drusy			
						Common quartz-sphalerite-pyrite(galena), locally with sphalerite to 15% of vein			
						Later crosscutting white quartz-(carbonate)			
						6.65 - 6.95m sheeting to 3cm			
						7.30 - 7.90m stockwork to 2cm, 10% of section, including fault gouge			
						8.92 - 8.97m vein: sphalerite blebs 5% in quartz, + minor carbonate-pyrite-(chalcopyrite)			
						9.70 - 10.00m multiphase vein at 40 degrees, vuggy with bleb chalcopyrite, blebby sphalerite-pyrite			
						18.0 - 19.22m stockwork: 10% veins up to 3cm, fine sulphides to 30%, sphalerite-pyrite-galena,			
						18.75 - 19.22m grey-black breccia vein with very fine-grained sulphides - <b>Miya Vein</b>			
19.22	19.62			1	grey-green	Clay Fault Gouge 40 degrees to core axis; grey-green with minor quartz-carbonate fragments			
19.62	26.21				green-grey	Lapilli-tuff with shear/foliation at 35 degrees to core axis or irregular			
						Moderate-weak clay-chlorite alteration with increasing hematite 23.5m - EOH			
						26.4 - 26.6m rubbly gouge with stringers carbonate, carbonate-chlorite or carbonate-chlorite-			
						26.05 - 26.25m silica(+ hematite) altered with epidotized phenocrysts			
26.21						EOH			

Drillhole Number: M12-01										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	4.00	0.00	1.22	1.22						4' (1.22m) OVB			
4.00	16.00	1.22	4.88	3.66	3.37	92%	1.02	28%	20+	rubble 4.88 - 5.0m			
16.00	26.00	4.88	7.92	3.05	2.56	84%	1.68	55%	20+				
26.00	36.00	7.92	10.97	3.05	3.05	100%	1.21	40%	20+				
36.00	46.00	10.97	14.02	3.05	3.01	99%	1.70	56%	20+				
46.00	56.00	14.02	17.07	3.05	3.05	100%	1.19	39%	20+				
56.00	66.00	17.07	20.12	3.05	3.00	98%	0.98	32%	20+	gouge 19.0 - 19.34m			
66.00	76.00	20.12	23.16	3.05	2.89	95%	2.19	72%	15				
76.00	86.00	23.16	26.21	3.05	2.96	97%	1.45	48%	20+	rubble 25.6 - 25.9m			
			Total	26.21		96%		46%					



<b>DDH No</b>	<b>M12-01</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			19	-45			
26.21	Downhole	Reflex Easy-shot	357.9	16	-45.6	5657	y	

DDH No	M12-01							
Metres			%					
From	To	Interval	Rec	Sample Number	Comment (Blank, Std, Dup?)			
5.22	6.08	0.86		1-68301				
6.08	6.76	0.68		1-68302				
6.76	7.04	0.28		1-68303	Veins			
7.04	7.72	0.68		1-68304				
7.72	8.90	1.18		1-68305	Veins			
8.90	9.55	0.65		1-68306				
9.55	9.95	0.40		1-68307	Veins			
9.95	10.97	1.02		1-68308	Veins			
					68309 removed			
16.08	16.80	0.72		1-68310				
18.00	18.62	0.62		1-68311				
				1-68312	blank			
18.62	19.22	0.60		1-68313	Miya Vein			
19.22	19.62	0.40		1-68314	Gouge			
19.62	20.05	0.43		1-68315				
		0.00						
		0.00						
		0.00						
		0.00						

Company:		Low Profile Ventures				Project:		Miya		DDH Number:		M12-02			
						NTS:		093E/11							
UTM:	9U NAD83		Length:		41.76		Collar Elev:	1911.10		Core Size:	HQ		Surveyed by:	Tyhee	
E:	614671.30		Azimuth:		25		Start Date:	3-Sep-2012		Contractor:	Titan		Units:	Metres	
N:	5955966.60			Dip:	-64		End Date:	3-Sep-2012		Date Logged:	4-Sep-2012		Logged by:	R Boyce	
Comments: Drilled from Pad "U"															
Summary: Vein/breccia 14.79 - 15.31m; stringers 20.55 - 26.70m, fault on downhole side; hi-sulphide vein 35.2-35.35m (Miya Vein?)															
Metres		%	%												
From	To	Rec	RQD	Hard	Colour	Description									
0.00	1.22					OVB									
1.22	10.70			3	buff-gray (orange)	Fragmental Rock, texture obscured									
						moderate to intense weathering/oxidation, with pyrolusite coatings, patches & dendrites									
						well-fractured, mainly at 30 degrees, gougy fractures at 60 degrees or subparallel to core axis									
						rare quartz-carbonate-sulphide veins (obscured by weathering)									
						late quartz-(carbonate) veins to 4cm at 70 degrees to core axis									
10.70	14.79			3	green-buff	Fragmental Volcanic - lapilli to ash tuff									
						local weathered/oxidized with pyrolusite rims to 1cm on fractures									
						patchy argillic altered, local sericite, bleaching (silicification near veins) increasing downhole									
						11.67 - 14.79m: irregular stringers/breccia to 6cm at 30 - 50 degrees to core axis									
						sphalerite-quartz-(galena-carbonate) with drusy core									
14.79	15.31			5	white-grey	Quartz-Carbonate drusy, multiphase Vein/Breccia at 45 degrees to core axis									
						2% blebby/band sulphides, concentrated at downhole end: sphalerite + trace pyrite & galena									
15.31	28.76			3	pale green-buff	Lapilli Tuff - local oxidized rinds on fracture surfaces									
						weak clay-sericite alteration with local silicification									
						few quartz-carbonate-pyrite-chlorite stringers and disseminated pyrite									
						20.55m: 2cm quartz-sphalerite-(galena-pyrite) vein at 60 degrees to core axis									
						25.10 - 25.41m: stockwork quartz-chlorite-sericite with local blebs pyrite-galena									
						26.48-26.70m: porphyritic andesite dyke at 70 degrees to core axis - medium green									
28.76	29.64			2	grey	Fault; fractured/rubble/gouge zone at 35 degrees to core axis									
						quartz-carbonate-pyrite stringers and silica-sericite alteration									
29.64	41.76			3	pale green-buff	Intermediate Lapilli Tuff with porphyritic sections									
						weak sericite-chlorite alteration									
						29.64 - 34.0m: few irregular fractured zones with gouge and quartz-(carbonate) stringers									
						35.2 - 35.35m: milky quartz vein at 25 degrees to core axis with minor pyrite and sphalerite (Miya									
						36.05 - 37.28m: tiny irregular stringers (max 2mm) sphalerite-galena									
						37.88 - EOH: crackle breccia with pinkish carbonate matrix 3%									
41.76						EOH									



Drillhole Number: M12-02										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	4.00	0.00	1.22	1.22									
4.00	7.00	1.22	2.13	0.91	0.72	79%	0.13	14%	20+				
7.00	17.00	2.13	5.18	3.05	2.97	97%	1.19	39%	20+	2.5 - 2.9 rubbly			
17.00	27.00	5.18	8.23	3.05	3.06	100%	1.10	36%	20+	5.2 - 8.8m rubbly sections			
27.00	37.00	8.23	11.28	3.05	2.92	96%	1.08	35%	20+				
37.00	47.00	11.28	14.33	3.05	3.04	100%	2.41	79%	14				
47.00	57.00	14.33	17.37	3.05	3.04	100%	2.24	73%	20				
57.00	67.00	17.37	20.42	3.05	3.00	98%	2.51	82%	20+				
67.00	77.00	20.42	23.47	3.05	3.04	100%	2.81	92%	15				
77.00	87.00	23.47	26.52	3.05	2.92	96%	1.13	37%	20+				
87.00	97.00	26.52	29.57	3.05	3.10	102%	2.44	80%	20+	28.5 - 29.3m: rubbly & gouge			
97.00	107.00	29.57	32.61	3.05	3.01	99%	1.71	56%	20+				
107.00	117.00	32.61	35.66	3.05	3.06	100%	2.48	81%	20				
117.00	127.00	35.66	38.71	3.05	3.05	100%	2.57	84%	8				
127.00	137.00	38.71	41.76	3.05	3.05	100%	2.55	84%	13	EOH			
		0.00	0.00	0.00									
			Total	41.76		98%		62%					

[illegible]

<b>DDH No</b>	<b>M12-02</b>							
Metres			%					
From	To	Interval	Rec	Sample Number	Comment (Blank, Std, Dup?)			
11.00	11.67	0.67		<b>1-68316</b>				
11.67	12.65	0.98		<b>1-68317</b>				
12.65	13.73	1.08		<b>1-68318</b>				
13.73	14.79	1.06		<b>1-68319</b>				
14.79	15.31	0.52		<b>1-68320</b>				
15.31	15.90	0.59		<b>1-68321</b>				
24.37	25.41	1.04		<b>1-68322</b>				
		0.00		<b>1-68323</b>	Standard FCM-6			
28.76	29.64	0.88		<b>1-68324</b>				
34.70	35.13	0.43		<b>1-68325</b>				
35.13	35.42	0.29		<b>1-68326</b>	Miya Vein?			
35.42	36.30	0.88		<b>1-68327</b>				
		0.00						
		0.00						
		0.00						
		0.00						
		0.00						
		0.00						



<b>Company:</b> Low Profile Ventures		<b>Project:</b> Miya		<b>DDH Number:</b> M12-03			
				<b>NTS:</b> 093E/11			
<b>UTM:</b>	9U NAD83	<b>Length:</b>	26.21	<b>Collar Elev:</b>	1934.20	<b>Core Size:</b>	HQ
<b>E:</b>	614529.20	<b>Azimuth:</b>	360	<b>Start Date:</b>	4-Sep-2012	<b>Contractor:</b>	Titan
<b>N:</b>	5956001.40	<b>Dip:</b>	-45	<b>End Date:</b>	4-Sep-2012	<b>Date Logged:</b>	5-Sep-2012
Comments: Drilled from Pad "A"							
Summary: Vein/breccia 18.38 - 18.70m with fault/lost core downhole (Miya Vein), vein subparallel core 20.45 - 21.5m, & minor vein 23.05 - 23.17m							
<b>Metres</b>		<b>%</b>	<b>%</b>				
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>	
0.00	1.22					Overburden	
1.22	3.64			3	brown-green	Intermediate Feldspar-Pyroxene Porphyry	
						weak propylitic to clay-altered	
						top & bottom sections strongly weathered and rubbly	
						well-fractured at 30 & 60 degrees to core axis	
3.64	4.22					Lost	
4.22	4.72			2	rusty brown	Fault - deep-weathered angular rubble and clay gouge	
4.72	11.86			4	brown-green	Intermediate feldspar-pyroxene porphyry with 2-4mm phenocrysts, local brecciation	
						moderate fractured at 35 degrees to core axis, and rubble/breccia/gouge zones	
						weak chlorite alteration	
						downhole contact irregular (obscured by oxidation)	
11.86	16.60			3	pale green (rusty)	Intermediate Lapilli Tuff grading downhole to Ash Tuff	
						11.86 - 13.7m: well-fractured, clay (+chlorite (hematite)) altered, with oxidized gougy fractures	
						13.7 - 15.38m: moderate-strong clay alteration, minor carbonate stringers	
						15.38 - 16.60m: ash tuff, dark green, few fractures	
16.60	18.38			3	buff	Ash tuff - appears felsic, with matrix appearing glassy to welded; grades downhole to crystal tuff	
						increasing quartz-carbonate stockwork downhole to 10%	
						moderate clay-sericite altered to local chlorite, increasing shearing downhole	
18.38	18.70			4	grey	Quartz-(Carbonate) Vein Breccia with disseminated/stringer pyrite, rubbly & local oxidized - <b>Miya Vein</b>	
18.70	18.85			2	orange-brown	Rusty, sandy gouge with fragments quartz vein	
18.85	19.30					LOST	
19.30	20.07			3	buff	Felsic Ash Tuff, with apparent glassy/welded matrix	
						clay alteration with silica overprint	
						local quartz-(carbonate) stockwork	
20.07	20.45			1	buff	Fault - clay gouge with disseminated pyrite cubes, oriented 60 degrees to core axis	
20.45	23.26			2	buff-grey	Felsic/Rhyolitic ash/crystal tuff, with welded/glassy matrix	
						strong sericite alteration with chlorite and clay, shared at 40 degrees to core axis	
						22.5m: 5cm gouge at 40 degrees to core axis	
						23.0m: 10cm gouge at 40 degrees to core axis	
						23.05 - 23.17m: quartz-(carbonate-pyrite) banded vein	
						20.45 - 21.5m: irregular vein/breccia subparallel core	
						drusy quartz to 4mm with infill pinkish carbonate and cube/disseminated pyrite	
						downhole contact irregular/gradational	
23.26	26.21			4	dark green	Intermediate Lapilli Tuff, local crystal tuff	
						feldspar or pyroxene phenocrysts to 3mm	

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
26.21						patchy weak chlorite alteration (local hematite or sericite)					
						EOH					

Drillhole Number:		M12-03								RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	4.00	0.00	1.22	1.22									
4.00	6.00	1.22	1.83	0.61	0.28	46%	0.00	0%	20+				
6.00	16.00	1.83	4.88	3.05	2.47	81%	0.82	27%	20+				
16.00	26.00	4.88	7.92	3.05	2.91	95%	1.47	48%	20+				
26.00	36.00	7.92	10.97	3.05	2.98	98%	2.24	73%	20+				
36.00	46.00	10.97	14.02	3.05	2.98	98%	0.97	32%	20+				
46.00	56.00	14.02	17.07	3.05	3.00	98%	2.62	86%	20+				
56.00	66.00	17.07	20.12	3.05	2.52	83%	1.12	37%	20+				
66.00	76.00	20.12	23.16	3.05	2.85	94%	1.02	33%	20+				
76.00	86.00	23.16	26.21	3.05	3.03	99%	1.83	60%	19				
					EOH								
			Total	26.21		88%		44%					



[illegible]

<b>DDH No</b>	<b>M12-03</b>							
<b>Metres</b>			<b>%</b>					
<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>			
17.24	18.38	1.14	90	<b>1-68328</b>				
18.38	18.85	0.47	90	<b>1-68329</b>	Miya Vein			
19.30	20.07	0.77	90	<b>1-68330</b>				
20.07	20.45	0.38	90	<b>1-68331</b>				
20.45	21.50	1.05	100	<b>1-68332</b>				
21.50	21.90	0.40	100	<b>1-68333</b>				
22.50	22.95	0.45	100	<b>1-68334</b>				
22.95	23.20	0.25	100	<b>1-68335</b>				
23.20	23.60	0.40	100	<b>1-68336</b>				
		0.00						

<b>Company:</b> Low Profile Ventures		<b>Project:</b> Miya		<b>DDH Number:</b> M12-04			
				<b>NTS:</b> 093E/11			
<b>UTM:</b>	9U NAD83	<b>Length:</b>	41.76	<b>Collar Elev:</b>	1934.70	<b>Core Size:</b>	HQ
<b>E:</b>	614529.20	<b>Azimuth:</b>	360	<b>Start Date:</b>	4-Sep-2012	<b>Contractor:</b>	Titan
<b>N:</b>	5956000.50	<b>Dip:</b>	-63	<b>End Date:</b>	4-Sep-2012	<b>Date Logged:</b>	5-Sep-2012
Comments: Drilled from Pad "A"							
Summary: 3 strong quartz-sulphide veins spanning 7 metres, separated by altered rock/gouge: 23.80 - 24.50m, 28.62 - 29.57m & 29.72 - 30.74m - aggregates Miya Vein							
<b>Metres</b>		<b>%</b>	<b>%</b>				
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>	
0.00	1.22					Overburden	
1.22	6.06			4	green	Intermediate Feldspar-Porphyry with phenocrysts to 3mm (5mm)	
						weak propylitic alteration	
						moderate-fractured with minor oxidation at 40 and 70 degrees to core axis	
						downhole contact at 40 degrees on rusty surface	
6.06	9.25			3	buff-brown	Feldspar-porphyritic Intermediate Volcanic - texture obscured by alteration/weathering	
						phenocrysts and pheno-aggregates to 5mm	
						moderate-well fractured, dark brown envelopes on fractures	
						feldspar and radiating clusters replaced by chlorite	
						clayey alteration	
						few irregular quartz-carbonate (albite?) stringers	
9.25	11.32			2	pale green	Feldspar-porphyritic Intermediate Volcanic - similar texture to previous unit, slightly coarser	
						sericite (chlorite) alteration and strongly sheared, with clay gouge	
						9.83 - 10.04m: fault with fragments banded quartz (chalcedony?) carbonate vein with minor pyrite	
11.32	13.10			1	light grey	Fault Zone - clay gouge with rounded fragments sericitized (chloritized)	
						few fragments quartz(albite?) pink carbonate vein	
13.10	15.80			3	pink-green	Lapilli-Crystal Tuff - obscured by alteration	
						texture appears like lapilli of porphyritic unit in matrix of ash and abundant feldspar phenocrysts	
						alteration moderate sericite and minor chlorite+hematite	
						irregular stringers quartz-carbonate-gypsum	
15.80	17.37			1	gray-buff	Fault gouge with fragments of previous unit, sheared at 20 degrees to core axis	
17.37	23.80			3	pale olive	Intermediate Lapilli Tuff with 40cm porphyritic dyke	
						patchy moderate alteration chlorite-sericite (+hematite and silica)	
						few gouge zones, but otherwise few fractures	
23.80	24.50			5	grey-black	Quartz-Sulphide-(Carbonate) Vein, irregular and brecciated	
						uphole contact on minor fault @ 65 degrees to core axis	
						downhole contact very irregular on fault	
						sulphides fine-grained 10 - 30% overall; 10% sphalerite (brown to black), 3% pyrite, 2% galena, 1%	
24.50	26.70			1	grey	Clay Fault Gouge with sericitized fragments and locally blackish with sulphides	
26.70	28.62			4	olive-grey	Lapilli Tuff - strongly altered/bleached/sericitized, with silica overprint increasing downhole	
						fracturing healed by quartz - pink carbonate 5%	
						27.1 - 28.62m: irregular veins pyrite-galena or sphalerite-(galena)	
						27.32 - 27.45m: vein 10% pyrite, 3% chalcopryite, 2% galena	
28.62	29.57			5	grey-black	Semi-massive Sulphide Vein - ~ 30 degrees to core axis, zoned	
						20% pyrite, 15% sphalerite, 10% galena, 5% chalcopryite	



Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						quartz-carbonate gangue					
						bornite (+covellite?) crusts/patches to 6mm on fracture surfaces, covers 50% of some fracture					
						downhole contact is rusty rubble/gouge					
29.57	29.72					Lost					
29.72	30.74			5	grey-black	Quartz-Carbonate-Sulphide Vein - crudely banded					
						massive sulphide at downhole end					
						overall 20% sphalerite, 10% galena, 5% chalcopyrite, 5% pyrite					
						downhole contact irregular at 10 degrees to core axis					
30.74	31.10			3	pink-grey	Carbonate-Vein Stockwork in Sericitized Tuff					
31.10	32.20			3	grey	Ash Tuff, sericitized with weak silica overprint					
						30% is quartz-carbonate-pyrite-chalcopyrite-galena, sulphide content 4% overall					
						occur as stringers/stockwork subparallel to core axis					
32.20	41.76			3	olive-grey	Intermediate Lapilli-Tuff with porphyritic fragments					
						variable alteration sericite-chlorite-clay, locally rubbly					
						carbonate + quartz-carbonate stringers common					
						32.2 - 33.75m: rare stringers to 2mm quartz-sphalerite-galena					
						34.45m: 5cm vein banded quartz-carbonate-coarse pyrite (rare galena-chalcopyrite) at 20 degrees					
						EOH					

Drillhole Number: M12-04										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	4.00	0.00	1.22	1.22									
4.00	7.00	1.22	2.13	0.91	0.55	60%	0.26	28%	20+				
7.00	17.00	2.13	5.18	3.05	3.00	98%	1.93	63%	20+				
17.00	27.00	5.18	8.23	3.05	2.90	95%	1.60	52%	20+				
27.00	37.00	8.23	11.28	3.05	2.91	95%	2.20	72%	20+				
37.00	47.00	11.28	14.33	3.05	2.91	95%	0.00	0%	20+				
47.00	57.00	14.33	17.37	3.05	2.80	92%	1.52	50%	20+				
57.00	67.00	17.37	20.42	3.05	2.98	98%	1.21	40%	20+				
67.00	77.00	20.42	23.47	3.05	2.90	95%	2.11	69%	20+				
77.00	87.00	23.47	26.52	3.05	2.77	91%	0.66	22%	20+				
87.00	97.00	26.52	29.57	3.05	2.95	97%	1.31	43%	20+				
97.00	107.00	29.57	32.61	3.05	2.88	94%	1.01	33%	20+				
107.00	117.00	32.61	35.66	3.05	2.99	98%	2.23	73%	20+				
117.00	127.00	35.66	38.71	3.05	2.99	98%	2.11	69%	20+				
127.00	137.00	38.71	41.76	3.05	2.97	97%	2.16	71%	19				
			Total	41.76		93%		49%					

<b>DDH No</b>	<b>M12-04</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			360	-64			
41.76	Downhole	Reflex Easy-shot	339.2	357.3	-63.7	5714	Y	



<b>DDH No</b>	<b>M12-04</b>							
Metres			%					
From	To	Interval	Rec	Sample Number	Comment (Blank, Std, Dup?)			
12.62	13.04	0.42	90	1-68337	Gouge			
15.80	16.79	0.99	90	1-68338				
23.35	23.80	0.45	94	1-68339				
23.80	24.24	0.44	100	1-68340	Vein			
23.80	24.24	0.44		1-68341	Duplicate			
24.24	24.53	0.29	85	1-68342	Vein			
		0.00		1-68343	Blank			
24.53	25.00	0.47	98	1-68344	Gouge & sulphides			
25.00	25.97	0.97	85	1-68345				
25.97	26.70	0.73	100	1-68346	Gouge & sulphides			
26.70	27.13	0.43	90	1-68347	Gouge			
27.13	28.20	1.07	99	1-68348				
28.20	28.62	0.42	100	1-68349	Stockwork			
28.62	29.57	0.95	90	1-68350	Massive Sulphide			
29.72	30.15	0.43	100	1-68351	Vein			
30.15	30.74	0.59	95	1-68352	Massive Sulphide			
		0.00		1-68353	Blank			
30.74	31.16	0.42	100	1-68354				
31.16	32.20	1.04	100	1-68355	Vein			
32.20	33.26	1.06	100	1-68356				
33.26	33.67	0.41	100	1-68357				
34.80	35.05	0.25	100	1-68358	Vein			
		0.00						
		0.00						
		0.00						

<b>Company:</b> Low Profile Ventures			<b>Project:</b> Miya			<b>DDH Number:</b> M12-05			
					<b>NTS:</b> 093E/11				
<b>UTM:</b>	9U NAD83	<b>Length:</b>	87.17	<b>Collar Elev:</b>	1928.70	<b>Core Size:</b>	HQ	<b>Surveyed by:</b>	Tyhee
<b>E:</b>	614531.60	<b>Azimuth:</b>	360	<b>Start Date:</b>	5-Sep-2012	<b>Contractor:</b>	Titan	<b>Units:</b>	Metres
<b>N:</b>	5955975.00	<b>Dip:</b>	-46	<b>End Date:</b>	11-Sep-2012	<b>Date Logged:</b>	Sep 9-12, 2012	<b>Logged by:</b>	R Boyce
Comments: Pad "B"; hole re-entered, and extended from 62.79m									
Summary: Minor veining 47.55 - 57.33m, low-sulphide vein/breccia 61.22 - 61.64m (Miya Vein?), minor veining 65.70 - 77.16m									
<b>Metres</b>		<b>%</b>	<b>%</b>						
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>			
0.00	1.83					Overburden			
1.83	3.91			3	grey-brown	Intermediate Feldspar-Porphyry, phenocrysts to 4mm			
						weak-moderate chlorite alteration, with chlorite locally replacing feldspars			
						well-fractured, fractures at various orientations, with rubbly sections			
						moderately-weathered, with oxidized surfaces, and local pyrolusite rinds			
3.91	4.30					Lost			
4.30	4.70			2	brown-black	Fault Gouge and angular rubble			
						deep-weathered and oxidized, with pyrolusite coatings			
4.70	16.23			4	grey-green	Intermediate Ash Tuff, with weak chlorite alteration			
						local sericite on fractures			
						local hematitic gouge on fractures			
						few fractures, with local concentrations at 25 degrees to core axis			
16.23	18.26			4	medium green	Andesite Feldspar Porphyry Dyke - similar composition to tuff noted above			
						weak chlorite alteration			
						few fractures, with rusty surfaces, at 60 degrees to core axis			
						16.72 - 17.02m: internal subunit of tuff, as above			
						contacts sharp, at 50 degrees to core axis			
18.26	34.62			4	med-dark green	Intermediate Ash Tuff; locally variable to lapilli tuff, especially 32.5 - 34.3m			
						weak chlorite alteration, local hematite +- epidote			
						local crude banding (ash layers? variable alteration? shearing?) at 50 degrees to core axis			
						rare carbonate veinlets to 2mm, at 30 to 50 degrees to core axis			
34.62	42.50			4	med-dark green	Intermediate Feldspar-Porphyry			
						moderately fractured at 45 degrees or random, commonly with limonite coating on surfaces			
						weak to moderate pervasive chlorite alteration, epidote in phenocrysts and fractures			
						rare quartz-carbonate veinlets at 45 degrees to core axis			
						37.65m: 2cm drusy quartz vein with uphole contact on minor rusty structure			
						downhole side 4 to 7mm semi-massive pyrite-sphalerite, with chloritic and weakly bleached rim			
						gradational downhole contact			
42.50	57.40			3	buff	Feldspar Porphyry with weak-moderate clay alteration (+ hematite + chlorite), local hard silica			
						carbonate stockwork, hairline to 5mm veins, at 20 to 50 degrees to core axis, make up 2% of rock			
						moderately fractured with limonitized surface, especially the uphole half			
						43.18 - 47.22m: Feldspar porphyry, weak chlorite alteration with minor hematite			
						carbonate veinlets show bleached envelopes			
						48.35 - 49.33m: weak-moderate chlorite alteration			
						47.55 - 47.67m: stockwork quartz-carbonate-pyrite with blebby sphalerite, at 30 degrees to core axis			

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						patchy sericite-chlorite in vein envelopes					
						49.65 - 50.35m: irregular carbonate-(quartz-pyrite-chlorite) stockwork					
						52.95 - 53.64m: stockwork 4% of rock, locally banded or vuggy					
						carbonate, quartz-carbonate, with trace sphalerite					
						56.07 - 56.78m: moderately chloritized, with hematized surfaces					
						abrupt downhole contact at 20 degrees to core axis					
						56.78 - 57.40m: moderate clay alteration with chloritized phenocrysts					
						few quartz-carbonate stringers					
						57.24 - 57.33m: quartz vein with drusy uphole side, intergrown with tan, non-carbonate mineral					
						0.5% blebby pyrite (+ sphalerite, chalcopyrite)					
57.40	57.56			1	gray	Fault - clay gouge, with 35 degree uphole contact, 15 degree downhole contact					
57.56	61.22			3	olive-grey	Intermediate Ash Tuff; texture obscure, especially at uphole end					
						variably-altered, weak-moderate sericite-clay, patchy chlorite + silica + hematite					
						moderately fractured at 65 degrees to core axis					
						gougy zones 58.26 - 58.32m and 58.83 - 59.05m					
						crudely banded near downhole end at 35 degrees to core axis					
						irregular stockwork quartz-carbonate (+albite? + chlorite?), locally with sphalerite-(pyrite-galena)					
61.22	61.64			5	grey-white	Quartz Breccia Vein, with pinkish carbonate, blebby pyrite <1% and altered wallrock fragments					
						sericitized, with some silica overprint, and drusy sections filled with carbonate - <b>Miya Vein</b>					
61.64	62.00			3	light olive	Ash Tuff: sheared/gouged, chalky sericite/clay-altered					
62.00	63.05					Lost					
63.05	66.48			4	buff-green	Ash Tuff, with lapilli locally dominant					
						variably altered/bleached with chlorite and clay					
						irregular carbonate stringers					
						65.70 - 65.98m: sheeting at 65 degrees to core axis.					
						larger veins feature coarse sphalerite-pyrite-(galena) with core of quartz-(carbonate)					
66.48	86.30			4	medium grey-green	Intermediate Ash Tuff, with sections Lapilli Tuff and Feldspar-Porphyry					
						variably altered, local variation comments below					
						weak pervasive chlorite alteration with weak disseminated pyrite					
						carbonate locally as stringers at 60 degrees, lenses and pheno-replacement					
						fracturing weak to strong					
						69.44 - 72.82m: moderate carbonate alteration as stringers, and disseminated with minor hematite on					
						patchy harder, weak, possibly potassic alteration; pale salmon-colour					
						76.75 - 77.16m: pale green, sheared at 60 degrees to core axis					
						sericite (chlorite) alteration, inter banded with central 13cm quartz-carbonate stringers/lenses					
						minor cube/bleb pyrite					
						78.95 - 79.16m: well-fractured with carbonate stringers					
						81.6 - 86.3m: weak, patchy potassic (hard) alteration with chlorite and weak sericite alteration					
						83.12 - 83.48m: moderate sericite (+ clay) alteration with disseminated pyrite					
86.30	86.44					Lost					
86.44	87.17			3	dark green	Ash Tuff, moderate chloritized with minor disseminated pyrite					
						weak-fractured at 15 degrees to core axis					
87.17						EOH					





Drillhole Number: M12-05										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	6.00	0.00	1.83	1.83									
6.00	16.00	1.83	4.88	3.05	2.35	77%	0.00	0%	20+				
16.00	26.00	4.88	7.92	3.05	3.06	100%	2.38	78%	14				
26.00	36.00	7.92	10.97	3.05	3.04	100%	2.36	77%	20				
36.00	46.00	10.97	14.02	3.05	3.01	99%	2.85	94%	12				
46.00	56.00	14.02	17.07	3.05	2.92	96%	2.40	79%	11				
56.00	66.00	17.07	20.12	3.05	2.94	96%	1.77	58%	20+				
66.00	76.00	20.12	23.16	3.05	3.02	99%	2.04	67%	15				
76.00	86.00	23.16	26.21	3.05	2.93	96%	1.77	58%	19				
86.00	96.00	26.21	29.26	3.05	3.01	99%	2.10	69%	17				
96.00	106.00	29.26	32.31	3.05	3.05	100%	1.78	58%	20+				
106.00	116.00	32.31	35.36	3.05	3.04	100%	2.57	84%	12				
116.00	126.00	35.36	38.40	3.05	2.98	98%	1.70	56%	14				
126.00	136.00	38.40	41.45	3.05	3.00	98%	1.36	45%	20+				
136.00	146.00	41.45	44.50	3.05	2.82	93%	1.70	56%	20+				
146.00	156.00	44.50	47.55	3.05	3.00	98%	1.67	55%	20+				
156.00	166.00	47.55	50.60	3.05	3.04	100%	2.15	71%	17				
166.00	176.00	50.60	53.64	3.05	2.92	96%	1.42	47%	20+				
176.00	186.00	53.64	56.69	3.05	2.99	98%	1.31	43%	20+				
186.00	196.00	56.69	59.74	3.05	2.95	97%	1.36	45%	20+				
196.00	206.00	59.74	62.79	3.05	2.42	79%	1.36	45%	20+				
206.00	216.00	62.79	65.84	3.05	2.78	91%	2.55	84%	10				
216.00	226.00	65.84	68.88	3.05	3.10	102%	2.55	84%	17				
226.00	236.00	68.88	71.93	3.05	3.05	100%	1.37	45%	18				
236.00	246.00	71.93	74.98	3.05	2.90	95%	1.93	63%	20+				
246.00	256.00	74.98	78.03	3.05	3.06	100%	1.27	42%	20+				
256.00	266.00	78.03	81.08	3.05	2.99	98%	2.05	67%	20+				
266.00	276.00	81.08	84.12	3.05	3.04	100%	1.13	37%	20+				
276.00	286.00	84.12	87.17	3.05	2.78	91%	0.90	30%	20+				
			Total	87.17		96%		58%					

[illegible]



DDH No	M12-05							
Metres			%					
From	To	Interval	Rec	Sample Number	Comment (Blank, Std, Dup?)			
47.43	47.67	0.24	100	1-68359	vein			
				1-68360	Standard FCM-6			
57.10	57.40	0.30	90	1-68361	vein			
57.40	58.15	0.75	95	1-68362	vein			
58.15	58.94	0.79	95	1-68363				
58.94	59.83	0.89	90	1-68364	vein			
59.83	60.83	1.00	100	1-68365				
60.83	61.22	0.39	90	1-68366				
61.22	61.64	0.42	100	1-68367	Miya Vein?			
61.64	62.00	0.36	90	1-68368	gouge			
63.05	63.36	0.31	100	1-68369				
65.28	65.67	0.39	100	1-68370				
65.67	66.03	0.36	100	1-68371	vein			
				1-68372	Blank			
66.03	66.48	0.45	100	1-68373				
71.52	71.93	0.41	100	1-68374				
71.93	72.83	0.90	100	1-68375				
76.75	77.16	0.41	100	1-68376				
83.12	83.48	0.36	100	1-68377				
		0.00						
		0.00						
		0.00						
		0.00						
		0.00						
		0.00						
		0.00						
		0.00						
		0.00						
		0.00						







Metres			%					
From	To	Interval	Rec	Sample Number	Comment (Blank, Std, Dup?)			
		0.00						
		0.00						
		0.00						

Company:		Low Profile Ventures				Project:		Miya		DDH Number:		M12-06						
						NTS:		093E/11										
UTM:	9U NAD83		Length:		108.81		Collar Elev:		1929		Core Size:		HQ		Surveyed by:		Tyhee	
E:	614531.60		Azimuth:		360		Start Date:		6-Sep-2012		Contractor:		Titan		Units:		Metres	
N:	5955974.40			Dip:	-53		End Date:		7-Sep-2012		Date Logged:		12-Sep-2012		Logged by:		R Boyce	
Comments: Pad "B". Hole extended from planned 75m, due to vein beyond target																		
Summary: Moderate-sulphide breccia/vein 74.82 - 77.32m (Miya Vein) in bleached zone; low-sulphide sheeting in altered zone 105.11 - 105.55m																		
Metres		%	%															
From	To	Rec	RQD	Hard	Colour	Description												
0.00	1.83					Overburden												
1.83	14.92			4	dark grey-green	Intermediate Ash Tuff - fragments to 5mm in aphanitic matrix. Locally appears as lapilli tuff or crystal												
						crude banding at 40 degrees to core axis												
						weak fractured at 5 - 30 degrees to core axis												
						weakly chloritized, limonitized fracture surfaces, local epidotized fragments												
						rare carbonate stringers												
						1.83 - 4.87m: well-fractured to rubbly, strongly weathered/oxidized, pyrolusite on surfaces												
						2.41m: 1 - 2cm thick Quartz Vein with 6% sphalerite-pyrite (carbonate-chlorite)												
14.92	28.70			3	grey-green	Intermediate Ash Tuff - weak-moderate fractured at low angle to core axis												
						weak-moderate chlorite alteration with local epidotized fragments and fracture envelopes												
						minor carbonate stringers												
						minor hematite and pyrite in matrix												
28.70	40.78			3	grey-green	Intermediate Feldspar-Porphyry with 2 - 3mm phenocrysts												
						locally banded/sheared at 35 degrees to core axis												
						carbonate as uncommon stringers/fracture fracture surfaces and local patches												
						weak-moderate chlorite alteration with local epidotized phenocrysts and fracture envelopes												
						31.29 - 31.58m: moderate chlorite-epidote-carbonate-hematite alteration (+ potassic?)												
						+ cubic pyrite <1%												
						33.67 - 33.87m: moderate chlorite-epidote-carbonate-hematite alteration, shrd at 50 degrees to												
						32.0 - 33.67m: lim + carbonate in matrix gives orange colour												
40.78	45.07			4	grey-green	Intermediate Ash Tuff - weak-moderate chlorite alteration, few carbonate stringers												
						bleaching near limonite-coated fractures												
						3 veins quartz-coarse sphalerite-pyrite, without significant alteration:												
						42.64m: 1cm at 25 degrees to core axis												
						42.88m: 4mm at 40 degrees to core axis												
						42.98m: 3mm at 40 degrees to core axis												
						44.93 - 45.07m: bleached, hard (silica after sericite?)												
						irregular coarse-grained quartz-(hematite) stringers at 80 degrees to core axis												
45.07	45.52					Lost												
45.52	45.66			2	grey	Fault Gouge												
45.66	47.56			3	grey-buff	Intermediate Feldspar-Porphyry, variably bleached, with broken cystals in places												
						moderate sericitized (clay?) + weak silica (minor hematite)												
						Carbonate-quartz stringers 2%												
						45.65m: 16mm quartz-carbonate banded vein, drusy with intergrown carbonate												
						46.89 - 47.16m: Gouge with carbonate stockwork at 50 degrees to core axis												

Metres		%	%							
From	To	Rec	RQD	Hard	Colour	Description				
47.56	50.49			4	grey-green	Intermediate Feldspar-Porphyry, variably bleached and hardess chlorite-carbonate (hematite-sericite-silica) altered				
50.49	53.36			4	buff-olive	Intermediate Feldspar-Porphyry, variably bleached, with silica after sericite quartz-carbonate stockwork/stringers & crackle breccia, dominant at 50 degrees to core axis 15% veins content 50.49 - 52.3m				
53.36	55.67			3	grey-green	Intermediate Feldspar-Porphyry, weak chlorite-altered; weak banding at 65 degrees to core axis rare quartz-carbonate stringers at 35 degrees to core axis, perpendicular to banding obscured downhole contact				
55.67	60.51			3	buff	Intermediate Lapilli-Tuff, generally bleached, hardness variable 2 to 5 local weak banding at 79 degrees to core axis colour varies from buff to off-white to pale maroon alteration variable chlorite-sericite-silica-hematite-clay, weak to moderate fracturing moderate, with gougy sections at 58.2 - 58.5 and 58.9m Carbonate or quartz-carbonate stockwork throughout (minor hematite) commonest at 60 - 80 58.5 -58.77m: quartz-(carbonate-sericite-hematite) brecciated vein at 75 degrees to core axis 57.15m: 5cm banded quartz-(carbonate) vein at 80 degrees to core axis 57.65m: 3cm banded quartz-(pyrite(sphalerite)) vein at 65 degrees to core axis				
60.51	62.98			4	dark grey-green	Intermediate Lapilli-Tuff, fragment size max 8cm uphole to 2cm downhole 1% carbonate stringers and fracture-fill weak chlorite alteration				
62.98	64.65			4	dark grey-green	Intermediate Ash Tuff, similar to previous unit minor epidote in fragments gradational downhole contact				
64.65	74.82			4	buff-green	Intermediate Ash Tuff - variable alteration and colour quartz-carbonate or carbonate stockwork/stringers rarely with hematite 2% alteration weak chlorite, varied to moderate clay in centre sharp downhole contact at 35 degrees to core axis 64.65 - 67.05m: strong clay + silica alteration multiphase quartz-carbonate-(pyrite) stockwork/stringers irregular orientation 4% disseminated pyrite cubes, altered to hematite 66.83 - 66.95m: 10% stockwork at 35 and 80 degrees to core axis, 2% pyrite-sphalerite-galena 68.63 - 69.09m: strong clay (silica) alteration with quartz-(carbonate-pyrite) 10% sharp downhole contact at 40 degrees to core axis tiny hairline quartz-sphalerite stringers				
74.82	77.32			3	olive-grey	Multiphase Quartz-Carbonate-Sulphide Breccia/Vein with drusy quartz - <b>Miya Vein</b> irregular orientation, some at 10 and 30 degrees to core axis veins generally white-grey (pink-olive) 60% of unit brecciated altered wall rock sections/fragments intense clay to moderate siliceous buff-green - 40% sulphides variable very fine-grained (gray in quartz) to blebs 3mm 2 - 3% over unit sphalerite>pyrite>>galena-chalcopryite 75.25 - 75.5m: sulphides 4% detailed photos taken in this section				
77.32	78.07			1	light grey	Fault Gouge - white clay with pale green-tan altered rock fragments + few quartz vein fragments				



Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
78.07	79.40			4	buff-grey	Fragmental rock broken and brecciated, with quartz-chalcedony-carbonate stockwork/breccia fill 25% trace pyrite-sphalerite-hematite silica after clay alteration					
79.40	80.78			2	olive-grey	Intermediate Ash Tuff - rubbly, few hematitized fragments strongly clay-altered, local silica, chlorite in downhole part					
						81.38 - 81.75m: mostly gouge, few quartz-carbonate-(sphalerite) fragments					
						80.12 - 80.15m: massive blackjack sphalerite vein, with marginal pyrite @ 70 degrees to core axis					
80.78	81.94					Lost					
81.94	82.97			1	grey	Fault - 60 % gouge, rubbly chloritized Lapilli Tuff quartz-carbonate stockwork in fragments					
						82.15m: fragment massive sphalerite 6x4x3 cm					
82.97	83.18			5	white	Quartz Vein - irregular at 30 degrees to core axis, crosscutting carbonate marginal bleb sphalerite-(pyrite) 4%					
83.18	87.48			3	grey-green	Intermediate Feldspar-Porphyry, gouged and fractured over various orientations, rubbly sections alteration weak-moderate chlorite, local clayey					
						few 2mm quartz-carbonate-(sphalerite) stringers					
						84.91 - 85.69m: sheeting/stockwork quartz-(bleb sphalerite-(pyrite)) at 35 and 70 degrees to core					
87.48	95.83			4	medium green	Ash Tuff - weak chlorite-altered locally bleached, harder, local hematite					
						quartz-carbonate stringers common at 35 degrees to core axis					
						downhole contact minor fault at 30 degrees tca					
95.83	99.50			3	pale green-grey	Intermediate Lapilli-Tuff weak-moderate sericite alteration, locally silicified, few hematite patches					
						fractures uncommon, but gougy zones 97.3 - 97.6m					
						Carbonate and quartz-carbonate stringers common					
						stockwork 97.9 - 98.40m - 25%					
						stronger silicification 98.8 - 99.5m with local jasperoid					
						99.14 - 99.18m: clay fault with hematized sandy fragments @ 75 degrees to core axis					
99.50	104.82			4	dark green	Intermediate Lapilli-Tuff, uncommon fractures variable chlorite-epidote-carbonate-hematite alteration					
						carbonate as strs and patches 5%					
104.82	106.05			4	buff	Intermediate Lapilli-Tuff, bleached, weak fracturing weak-moderate clay alteration					
						hematite in uphole end, epidote and silica central and downhole					
						105.11 - 105.55m: quartz-carbonate-sphalerite-(pyrite) sheeting, at 35 and 60 degrees to core axis					
						sheeting is 40% of section, sphalerite 2% overall					
106.05	108.81			3	green-buff	Intermediate Lapilli-Tuff - variable alteration, chlorite or clay-silica-(hematite)					
						few milky quartz-carbonate stringers/pods to 1cm					
108.81						EOH					

Drillhole Number:		M12-06								RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	6.00	0.00	1.83	1.83									
6.00	17.00	1.83	5.18	3.35	3.04	91%	0.36	11%	20+				
17.00	27.00	5.18	8.23	3.05	3.03	99%	2.74	90%	17				
27.00	37.00	8.23	11.28	3.05	3.02	99%	2.66	87%	12				
37.00	47.00	11.28	14.33	3.05	2.86	94%	2.28	75%	18				
47.00	57.00	14.33	17.37	3.05	3.04	100%	2.78	91%	10				
57.00	67.00	17.37	20.42	3.05	2.84	93%	2.06	68%	20+				
67.00	77.00	20.42	23.47	3.05	3.03	99%	2.27	74%	20+				
77.00	87.00	23.47	26.52	3.05	2.98	98%	2.58	85%	20+				
87.00	97.00	26.52	29.57	3.05	3.01	99%	2.52	83%	20+				
97.00	107.00	29.57	32.61	3.05	3.03	99%	2.23	73%	20+				
107.00	117.00	32.61	35.66	3.05	2.95	97%	2.46	81%	16				
117.00	127.00	35.66	38.71	3.05	2.97	97%	2.20	72%	20+				
127.00	137.00	38.71	41.76	3.05	2.98	98%	1.58	52%	20+				
137.00	147.00	41.76	44.81	3.05	3.06	100%	2.04	67%	20+				
147.00	157.00	44.81	47.85	3.05	2.68	88%	1.43	47%	20+	missing core			
157.00	167.00	47.85	50.90	3.05	3.01	99%	2.45	80%	20+				
167.00	177.00	50.90	53.95	3.05	3.04	100%	2.48	81%	20+				
177.00	187.00	53.95	57.00	3.05	3.02	99%	2.05	67%	20+				
187.00	197.00	57.00	60.05	3.05	2.77	91%	2.24	73%	20+	missing core			
197.00	207.00	60.05	63.09	3.05	3.03	99%	2.61	86%	20+				
207.00	217.00	63.09	66.14	3.05	3.00	98%	2.35	77%	20+				
217.00	227.00	66.14	69.19	3.05	2.95	97%	2.22	73%	20+				
227.00	237.00	69.19	72.24	3.05	3.02	99%	2.84	93%	17				
237.00	247.00	72.24	75.29	3.05	3.01	99%	2.43	80%	20+				
247.00	257.00	75.29	78.33	3.05	2.90	95%	2.00	66%	20+				
257.00	267.00	78.33	81.38	3.05	2.18	72%	0.21	7%	20+				
267.00	277.00	81.38	84.43	3.05	2.41	79%	0.51	17%	20+				
277.00	287.00	84.43	87.48	3.05	3.13	103%	0.88	29%	20+				
287.00	297.00	87.48	90.53	3.05	2.96	97%	1.27	42%	20+				
297.00	307.00	90.53	93.57	3.05	2.89	95%	1.37	45%	20+				
307.00	317.00	93.57	96.62	3.05	3.05	100%	2.08	68%	20+				
317.00	327.00	96.62	99.67	3.05	3.02	99%	2.11	69%	20+				
327.00	337.00	99.67	102.72	3.05	3.00	98%	2.56	84%	20+				
337.00	347.00	102.72	105.77	3.05	3.03	99%	1.40	46%	20+				

347.00	357.00	105.77	108.81	3.05	2.95	97%	1.61	53%	20+	
		0.00	0.00	0.00						
			Total	108.81		96%		65%		



[illegible]

<b>DDH No</b>	<b>M12-06</b>							
<b>Metres</b>			<b>%</b>					
<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>			
51.11	51.86	0.75		<b>1-68378</b>				
51.86	52.38	0.52		<b>1-68379</b>				
55.86	56.75	0.89		<b>1-68380</b>				
				<b>1-68381</b>	Standard FCM-6			
56.75	57.13	0.38		<b>1-68382</b>				
57.13	57.79	0.66		<b>1-68383</b>				
57.79	58.50	0.71		<b>1-68384</b>				
58.50	58.77	0.27		<b>1-68385</b>	Vein			
58.77	59.48	0.71		<b>1-68386</b>				
65.20	65.80	0.60		<b>1-68387</b>				
65.80	66.72	0.92		<b>1-68388</b>				
66.72	67.05	0.33		<b>1-68389</b>				
74.35	74.82	0.47		<b>1-68390</b>				
74.82	75.56	0.74		<b>1-68391</b>	Vein/Breccia			
74.82	75.56	0.74		<b>1-68392</b>	Duplicate			
75.56	76.20	0.64		<b>1-68393</b>	Vein/Breccia - Miya Vein			
76.20	77.02	0.82		<b>1-68394</b>	Vein/Breccia - Miya Vein			
77.02	77.42	0.40		<b>1-68395</b>				
				<b>1-68396</b>	Blank			
77.42	78.07	0.65		<b>1-68397</b>	Gouge			
78.07	78.59	0.52		<b>1-68398</b>				
78.59	79.40	0.81		<b>1-68399</b>				
79.40	80.02	0.62		<b>1-68400</b>	Gouge			
80.02	80.78	0.76		<b>1-68401</b>	Rubble and sphalerite vein			
				<b>1-68402</b>	Standard FCM-6			
81.94	82.70	0.76		<b>1-68403</b>	Gouge + sphalerite vein			
82.70	83.18	0.48		<b>1-68404</b>	Vein			
84.91	85.60	0.69		<b>1-68405</b>				
98.80	99.50	0.70		<b>1-68406</b>				

Metres			%					
From	To	Interval	Rec	Sample Number	Comment (Blank, Std, Dup?)			
104.82	105.11	0.29		<b>1-68407</b>				
105.11	105.55	0.44		<b>1-68408</b>	Veins			
105.11	105.55			<b>1-68409</b>	Duplicate			
105.55	106.05	0.50		<b>1-68410</b>				



<b>Company: Low Profile Ventures</b>					<b>Project: Miya</b>		<b>DDH Number: M12-07</b>			
					<b>NTS: 093E/11</b>					
<b>UTM:</b>	9U NAD83	<b>Length:</b> 66.14		<b>Collar Elev:</b>	1935.30	<b>Core Size:</b>	HQ	<b>Surveyed by:</b>	Tyhee	
<b>E:</b>	614558.40	<b>Azimuth:</b> 360		<b>Start Date:</b>	11-Sep-2012	<b>Contractor:</b>	Titan	<b>Units:</b>	Metres	
<b>N:</b>	5956005.30		<b>Dip:</b> -45	<b>End Date:</b>	13-Sep-2012	<b>Date Logged:</b>	14-Sep-2012	<b>Logged by:</b>	R Boyce	
Comments: Drilled from Pad "E"										
Summary: Minor veins 12.3 - 20.2m, in weak-alteration zones ( <b>Miya Vein 13.38 - 13.98m</b> ); hydrothermal breccia 56.0 - 57.1m										
<b>Metres</b>		<b>%</b>	<b>%</b>							
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>				
0.00	1.22					Overburden				
1.22	4.30			4	brown-green	Brecciated Intermediate Feldspar-Porphyry (with porphyritic xenoliths)				
						weak chlorite altered, and weathered rind on fractures				
						moderate-well fractured at 70 and 25 degrees to core axis				
						3.05 - 4.30m: bleached clay-altered (+ chloritized phenocrysts)				
						well-fractured and limonitized				
						downhole contact on rubble				
4.30	4.83					Lost				
4.83	12.27			4	buff	Brecciated Feldspar-Porphyry - fragments and matrix porphyritic				
						weak-moderate clay alteration + minor silica and chloritized phenocrysts				
						weak-fractured @ 40 degrees to core axis, limonitized rinds				
						fragments subrounded to angular, max 8cm				
						few stringers banded quartz-carbonate veins and breccia				
						10.50m: 4cm banded quartz-carbonate (galena-sphalerite) with pyrolusite, at 40 degrees to core				
						8.0 - 8.8m and 9.6 - 10m: dominant chlorite alteration, hardness = 4				
						11.6 - 12.27m: hardness = 5, same colour, but more silica?				
						irregular 3mm quartz-pyrite-sphalerite stringers				
12.27	12.38			2	brown-black	Quartz-Sulphide Vein - rusty, pyrolusite coating, broken				
						5% blebby galena-sphalerite-chalcopryrite-pyrite				
						55 degrees to core axis				
12.38	12.68			3	olive-buff	Clay-chlorite altered Ash Tuff with rusty fracture coating				
12.68	13.08			1	olive-buff	Clay Gouge with fragments quartz vein and black smears (crushed sulphides)				
13.08	13.38					Lost				
13.38	13.98			2	grey-brown	Vein/Fault - 30% clay gouge with carbonate vein fragments - <b>Miya Vein</b>				
						veins coarse white to pink calcite, lesser quartz and bleb/fracture-fill pyrite-galena-(chalcopryrite-				
						massive galena lens 1cm x 11cm at 20 degrees to core axis				
						downhole contact at 30 degrees to core axis				
13.98	19.81			3	brown-green	Intermediate Lapilli Tuff, fragments common 0.5 cm (max 5cm)				
						fragments commonly porphyritic; locally appears as ash tuff with isolated subrounded fragments				
						alteration mostly weak chlorite-(epidote-hematite); local clay-(hematite)				
						weak-moderate fractured, with limonitized rims				
						fracturing and limonitization decrease downhole				
						local weak banding/shearing at 35 degrees to core axis				
						16.0m: quartz-(chlorite) vein with altered fragments				
						FW side blebby band sphalerite with cubic pyrite 2.5-4cm at 30 degrees to core axis				

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						18.53 - 18.58m: brecciated/lensy, rusty quartz-carbonate-pyrite-(sphalerite-galena) vein at 75					
						18.47 - 18.83m: moderate clay-(hematite)altered					
						buff-coloured, appears like crystal tuff					
						19.60 - 19.81m: moderate clay-altered					
						broken downhole contact					
19.81	20.00					Lost					
20.00	20.24			4	brown-grey	Quartz-Sulphide Vein - rusty					
						uphole end 5cm gouge					
						banded/brecciated drusy quartz-carbonate-sphalerite-galena vein 8cm thick at 70 degrees to core					
						downhole end siliceous breccia with veinlets and blebs sphalerite-galena					
						contact at 35 degrees to core axis, rusty					
						section overall 2% sphalerite, 2% galena, 2% pyrite					
20.24	41.44			4	green	Intermediate Lapilli Tuff, fragments common 1 - 3cm					
						subrounded to angular fragments with alteration contrast, in ashy matrix					
						local isolated 15cm rounded porphyritic fragments in ash matrix					
						weak chlorite alteration - consistent					
						weak fractured, few oxidation surfaces					
						rare carbonate or quartz-carbonate stringers					
						downhole contact sharp at 50 degrees to core axis					
41.44	43.55			4	green-grey	Crowded Andesitic Feldspar-Porphyry - fairly fresh					
						sharp downhole contact at 50 degrees to core axis					
43.55	44.87			3	buff	Intermediate Lapilli Tuff					
						moderate-strong clay alteration with silica and local epidote-hematite					
						sheeting of quartz-chalcedony-(carbonate with minor sphalerite-pyrite) at 40 degrees to core					
						quartz fine-grained and gray to white, drusy in centres					
						vein size 2 to 4mm, with one 4cm					
						partly rubbly/gouge					
						downhole contact irregular at 40 degrees to core axis					
44.87	45.19			4	dark green	Feldspar-Porphyry dyke parallel to previous zone					
45.19	51.78			4	dark green	Intermediate Lapilli Tuff/Tuff Breccia with complex of Porphyry Dykes and fragments					
						contact subparallel core axis and irregular					
						fragments to 10cm					
51.78	56.05			4	dark green	Feldspar Porphyry weakly brecciated, with finer porphyritic matrix					
						weak chlorite altered, epidote commonly replaced phenocrysts					
						weak fractured					
						gradational downhole contact					
56.05	57.10			3	medium grey-green	Hydrothermal breccia with green porphyry fragments showing obscure boundaries					
						grey matrix silica-(carbonate-clay) with local chlorite					
						fracturing and alteration increasing downhole					
						white carbonate stringers to 1 cm common					
						56.50 - 56.75m: strong sericite-altered					
						56.92 - 57.10m: pale grey clay-chlorite altered					
						stockwork white carbonate, with 2.5 cm vein white to pale pink carbonate and trace galena-					

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
57.10	57.28			2	rusty brown	Sandy/rubbly Fault Gouge					
57.28	57.50					Lost					
57.50	58.75			2	medium grey-green	Altered intermediate rock brecciated, gouged and fractured with rusty surface at 65 degrees to core					
						patchy alteration chlorite with strong sericite sections					
						few carbonate stringers					
58.75	61.85			5	dark green-grey	Feldspar-Porphyry - brecciated and hydrothermal brecciated					
						weak chlorite alteration, local carbonate and epidote, patchy overprinted by silica (hard!)					
						61.56 - 61.85m: partly sericitized					
61.85	62.13			2	medium green-grey	Fault Zone: rubble and gouge					
						strongly chlorite-sericite altered, with carbonate stockwork					
						downhole contact 40 degrees to core axis					
62.13	62.30					Lost					
62.30	66.14			4	dark green	Porphyry/Lapilli Tuff Complex (similar to 45.19 - 51.78m), with irregular contacts and fragment shapes					
						variable alteration; weak-moderate chlorite pervasive and fracture surfaces					
						local moderate epidote patches/fragments/phenocrysts					
						local silica overprint					
						moderate fractured at 40 and 60 degrees to core axis					
						65.30m: 1cm quartz (carbonate) vein with 2% marginal pyrite					
66.14						EOH					

Drillhole Number: M12-07										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
4.00	7.00	1.22	2.13	0.91	0.93	102%	0.52	57%	20+				
7.00	17.00	2.13	5.18	3.05	2.33	76%	1.23	40%		core loss			
17.00	27.00	5.18	8.23	3.05	2.97	97%	2.53	83%					
27.00	37.00	8.23	11.28	3.05	3.02	99%	2.62	86%					
37.00	47.00	11.28	14.33	3.05	2.55	84%	0.72	24%		core loss			
47.00	57.00	14.33	17.37	3.05	3.06	100%	1.97	65%					
57.00	67.00	17.37	20.42	3.05	2.83	93%	1.46	48%					
67.00	77.00	20.42	23.47	3.05	2.76	91%	1.31	43%					
77.00	87.00	23.47	26.52	3.05	3.35	110%	2.09	69%		excess core			
87.00	97.00	26.52	29.57	3.05	2.45	80%	1.00	33%		core loss			
97.00	107.00	29.57	32.61	3.05	2.96	97%	2.02	66%					
107.00	117.00	32.61	35.66	3.05	2.90	95%	1.69	55%					
117.00	127.00	35.66	38.71	3.05	2.78	91%	1.93	63%					
127.00	137.00	38.71	41.76	3.05	3.30	108%	2.13	70%		excess core			
137.00	147.00	41.76	44.81	3.05	2.77	91%	1.54	51%					
147.00	157.00	44.81	47.85	3.05	3.04	100%	1.62	53%					
157.00	167.00	47.85	50.90	3.05	3.00	98%	1.40	46%					
167.00	177.00	50.90	53.95	3.05	2.98	98%	1.54	51%					
177.00	187.00	53.95	57.00	3.05	2.86	94%	1.82	60%					
187.00	197.00	57.00	60.05	3.05	2.88	94%	1.71	56%					
197.00	207.00	60.05	63.09	3.05	2.76	91%	1.63	53%					
207.00	217.00	63.09	66.14	3.05	2.90	95%	1.43	47%		EOH			
			Total	64.92		95%		55%					



[illegible]

<b>DDH No</b>	<b>M12-07</b>							
<b>Metres</b>			<b>%</b>					
<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>			
12.27	12.68	0.41		<b>1-68411</b>				
12.68	13.08	0.40		<b>1-68412</b>	Gouge			
13.38	13.98	0.60		<b>1-68413</b>	Miya Vein			
13.98	14.83	0.85		<b>1-68414</b>				
15.77	16.16	0.39		<b>1-68415</b>	Vein			
19.25	19.81	0.56		<b>1-68416</b>				
20.00	20.24	0.24		<b>1-68417</b>	Vein			
				<b>1-68418</b>	Blank			
20.24	20.53	0.29		<b>1-68419</b>				
43.55	44.18	0.63		<b>1-68420</b>				
44.18	44.87	0.69		<b>1-68421</b>				
56.05	56.82	0.77		<b>1-68422</b>	Breccia			
56.82	57.28	0.46		<b>1-68423</b>	Breccia			

<b>Company: Low Profile Ventures</b>					<b>Project: Miya</b>		<b>DDH Number: M12-08</b>			
					<b>NTS: 093E/11</b>					
<b>UTM:</b>	9U NAD83	<b>Length:</b> 41.76		<b>Collar Elev:</b>	1935.60	<b>Core Size:</b>	HQ	<b>Surveyed by:</b>	Tyhee	
<b>E:</b>	614558.40	<b>Azimuth:</b> 360		<b>Start Date:</b>	13-Sep-2012	<b>Contractor:</b>	Titan	<b>Units:</b>	Metres	
<b>N:</b>	5956004.90		<b>Dip:</b> -54	<b>End Date:</b>	13-Sep-2012	<b>Date Logged:</b>	16-Sep-2012	<b>Logged by:</b>	R Boyce	
Comments: Drilled from Pad "E"										
Summary features brecciation from 16.75m to EOH; hi-sulphide vein/breccia 17.13 - 18.10m (Miya Vein), and banded vein 20.68 - 20.9m										
<b>Metres</b>		<b>%</b>	<b>%</b>							
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>				
0	1.22					Overburden				
1.22	13.50			4	buff-green	Intermediate Lapilli Tuff with porphyritic sections, rounded to angular fragments				
						patchy alteration varies from weak chlorite to bleached weak-moderate clay				
						mostly solid core (few fractures)				
						broken sections have rusty rind to 10cm on fractures				
						8.42 - 8.68m: 2cm quartz-blebby galena-sphalerite vein at 15 degrees to core axis				
						downhole contact on 50 degrees rusty fault, with 4mm quartz-fine-grained galena-sphalerite vein				
13.50	13.72					Lost				
13.72	13.80			2	brown	Fault Zone, sandy, rusty, at 60 degrees to core axis				
						fragments are rounded: altered wall rock & quartz-sulphide vein				
13.80	15.05			3	buff	Ash Tuff, clay-altered; local siliceous sections				
						moderate-fractured with limonitized surfaces				
						14.6-14.95m: a few stockwork veins to 1cm, drusy quartz-carbonate-sphalerite at 40 degrees to core				
15.05	16.66			3	green-buff	Feldspar-Porphyry - clay-altered (+chlorite-hematite-carbonate)				
						few carbonate-quartz-stringers with envelopes sericite-silica altered				
						16.03m: 3cm vein at 40 degrees - chalcedony core, coarse-grained carbonate rim with disseminated				
						16.64m: quartz micro-breccia at 35 degrees to core axis on downhole contact				
16.30	17.13			3	grey	Fault Zone, gouge at uphole and downhole end, breccia centre				
						uphole end 5cm thick clay with rounded fragments				
						16.75 - 16.98m: grey angular fragments in cream-colour matrix				
						hydrothermal breccia, clay-altered + later silica ("porcellanite")				
						16.98 - 17.13m: clay gouge				
						downhole contact 5 degrees to core axis				
17.13	18.10			4	black-buff	Vein Breccia - multiphase				
						15% black quartz (very fine-grained sulphides) + 15% coarse-grained sulphides:				
						sphalerite>galena>pyrite>chalcopryite				
						heavy! possible barite?				
						sulphide bands oriented 20-40 degrees to core axis				
						downhole contact gouge at 40 degrees to core axis				
18.10	20.68			3	buff	Intermediate Fragmental Rock (+ brecciated)				
						moderate-strong clay-altered (+chlorite + silica) with disseminated pyrite				
						few 1 - 2mm quartz-galena veinlets				
						19.1 - 20.68m: stockwork quartz-(carbonate-pyrite-galena-(chalcopryite)) +black chalcedony				
						stockwork is 20% of rock in this section, subparalleling core axis				
						broken downhole contact				

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
20.68	20.90			5	white-black	Quartz-Carbonate-Sulphide Vein - banded and brecciated					
						8% blebby/cubic pyrite, 3% sphalerite, 2% galena, 1% chalcopyrite					
						broken and rusty					
						downhole contact on rusty minor gouge zone					
20.90	21.25			2	buff-grey	Altered Breccia Unit -matrix and some fragments strongly clay-altered					
						some fragments chloritized					
						few quartz stringers					
						downhole contact at 20 degrees to core axis					
21.25	41.76			4	green	Brecciated Feldspar-Porphyry unit					
						fragments rounded to subangular, to 10cm					
						non-brecciated sections porphyritic, up to 30cm (dykes?)					
						matrix variable: fragmental or porphyritic					
						weak-moderate chlorite-altered					
						22.72 - 22.77m: rusty, sandy fault gouge at 65 degrees to core axis					
						contains 3cm vein quartz-pyrite-sphalerite-galena					
41.76						EOH					



<b>Drillhole Number: M12-08</b>										RQD Rating			
<b>Run Interval</b>		<b>Run Interval</b>								0-25%	very poor	75-90%	good
<b>feet</b>		<b>meters</b>		<b>Run</b>	<b>Recovery</b>	<b>Recovery</b>	<b>RQD</b>	<b>RQD</b>	<b>Fractures</b>	25-50%	poor	90-100%	excellent
<b>From</b>	<b>To</b>	<b>From</b>	<b>To</b>	<b>meters</b>	<b>Measured</b>	<b>%</b>	<b>Measured</b>	<b>%</b>	<b>per run</b>	50-75%	fair		
										<b>Comments</b>			
4.00	7.00	1.22	2.13	0.91	0.88	96%	0.60	66%	20+				
7.00	17.00	2.13	5.18	3.05	2.70	89%	1.21	40%	20+				
17.00	27.00	5.18	8.23	3.05	3.03	99%	2.98	98%	10				
27.00	37.00	8.23	11.28	3.05	3.05	100%	2.38	78%	20+				
37.00	47.00	11.28	14.33	3.05	2.99	98%	1.17	38%	20+				
47.00	57.00	14.33	17.37	3.05	3.03	99%	1.35	44%	20+				
57.00	67.00	17.37	20.42	3.05	2.92	96%	1.30	43%	20+				
67.00	77.00	20.42	23.47	3.05	2.68	88%	0.91	30%	20+	Core loss			
77.00	87.00	23.47	26.52	3.05	3.01	99%	1.24	41%	20+				
87.00	97.00	26.52	29.57	3.05	2.85	94%	1.64	54%	20+				
97.00	107.00	29.57	32.61	3.05	2.94	96%	2.09	69%	20+				
107.00	117.00	32.61	35.66	3.05	3.00	98%	1.40	46%	20+				
117.00	127.00	35.66	38.71	3.05	2.93	96%	1.54	51%	20+				
127.00	137.00	38.71	41.76	3.05	2.82	93%	1.16	38%	20+	EOH			
			Total	40.54		96%		52%					

[illegible]

<b>DDH No</b>	<b>M12-08</b>							
<b>Metres</b>			<b>%</b>					
<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>			
16.66	17.14	0.48		<b>1-68424</b>	gouge/porcellanite			
17.14	17.67	0.53		<b>1-68425</b>	vein - Miya Vein			
17.67	18.10	0.43		<b>1-68426</b>	vein - Miya Vein			
18.10	19.10	1.00		<b>1-68427</b>				
19.10	19.88	0.78		<b>1-68428</b>	vein			
19.88	20.63	0.75		<b>1-68429</b>	vein			
20.63	20.90	0.27		<b>1-68430</b>	vein			
20.90	21.25	0.35		<b>1-68431</b>				
				<b>1-68432</b>	Standard FCM-6			

<b>Company:</b> Low Profile Ventures		<b>Project:</b> Miya		<b>DDH Number:</b> M12-09			
				<b>NTS:</b> 093E/11			
<b>UTM:</b>	9U NAD83	<b>Length:</b>	41.76	<b>Collar Elev:</b>	1935.80	<b>Core Size:</b>	HQ
<b>E:</b>	614558.30	<b>Azimuth:</b>	360	<b>Start Date:</b>	13-Sep-2012	<b>Contractor:</b>	Titan
<b>N:</b>	5956004.70	<b>Dip:</b>	-64	<b>End Date:</b>	14-Sep-2012	<b>Date Logged:</b>	16-Sep-2012
Comments: Drilled from Pad "E"							
Summary: Brecciation and faulting in centre section; strong alteration, and hi-sulphide veins 23.82 - 24.07 and 25.42 - 25.49m (aggregate Miya Vein)							
<b>Metres</b>		<b>%</b>	<b>%</b>				
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>	
0.00	0.61					Overburden	
0.61	1.88			4	green	Lapilli Tuff -rounded to angular fragments to 6cm, commonly porphyritic	
						weak chlorite alteration	
						limonite rims on fractures	
						gradational downhole contact	
1.88	5.25			5	brown-buff	Pale Lapilli Tuff with deep weathering/oxidation rims to 2cm, local pyrolusite	
						apparent clay alteration with later silica (hard)	
						chloritized phenocryst aggregates	
						rubbly gouge, rusty brown: 2.30 - 2.43m and 3.05 - 3.54m, 10 - 20 degrees to core axis	
						contains vein material quartz-pyrite at 3.15m	
5.25	11.10			4	green	Lapilli Tuff - fragments max 3cm, mostly angular	
						few chalcedony-carbonate veinlets to 3mm	
						few fractures; weak chlorite alteration	
11.10	20.66			3	buff-grey	Lapilli Tuff - bleached, medium-soft; some porphyritic sections (dyke?)	
						clay-altered, with chloritic sections (and phenocrysts) patchy sericite	
						local hard grey silica alteration	
						moderate-fractured with oxidized rims to 4cm, decreasing downhole	
						14.4 - 15.5m: chloritic sections, largely porphyritic	
						18.5 - 20.0m: stronger sericitized zone, pale green	
						banding/shearing at 70 - 80 degrees to core axis, with interleaved siliceous sections	
						17.2 - 18.4m: 1-4mm grey quartz-carbonate-pyrite-sphalerite stringers at 10 degrees to core axis	
20.66	21.76			4	pale green	downhole contact on rusty minor fault at 65 degrees to core axis	
						Largely porphyritic rock with intervening fragmental	
						weak-moderate sericite alteration with most overprinted by silica	
						hardness varying 3 to 5	
						downhole contact irregular	
21.76	22.00			5	pale green-grey	Hydrothermal Breccia - angular pale green fragments chlorite-sericite altered, up to 2 cm	
						cream-colour matrix quartz (part drusy), chalcedony, carbonate and trace pyrite-sphalerite;	
22.00	23.03			2	grey-buff	Fault Zone - uphole and downhole ends clay gouge with silicified or clay-altered fragments (<1cm)	
						central part clay-altered (chlorite phenocrysts) with common orange-brown rusty zones on gouge	
						internal fault angles 55 degrees to core axis	
						downhole contact 35 degrees to core axis 10 cm core loss	
23.03	23.82			3	buff	Strongly bleached Feldspar-Porphyry, brecciated uphole and downhole ends	
						alteration clay +- silica, with chlorite phenocrysts	
						thin limonite coating on fractures	



[illegible]

<b>Drillhole Number:</b>		<b>M12-09</b>								RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
2.00	7.00	0.61	2.13	1.52	1.14	75%	0.53	35%	20+				
7.00	17.00	2.13	5.18	3.05	2.70	89%	1.15	38%	20+				
17.00	27.00	5.18	8.23	3.05	2.91	95%	2.47	81%	20+				
27.00	37.00	8.23	11.28	3.05	2.96	97%	2.72	89%	20+				
37.00	47.00	11.28	14.33	3.05	2.97	97%	1.93	63%	20+				
47.00	57.00	14.33	17.37	3.05	2.84	93%	1.67	55%	20+				
57.00	67.00	17.37	20.42	3.05	2.92	96%	1.35	44%	20+				
67.00	77.00	20.42	23.47	3.05	2.87	94%	1.64	54%	20+				
77.00	87.00	23.47	26.52	3.05	2.71	89%	0.75	25%	20+	Moved block 87(26.52)1.3m back			
87.00	97.00	26.52	29.57	3.05	2.99	98%	1.27	42%	20+				
97.00	107.00	29.57	32.61	3.05	3.02	99%	1.95	64%	17				
107.00	117.00	32.61	35.66	3.05	2.86	94%	1.72	56%	20+				
117.00	127.00	35.66	38.71	3.05	2.89	95%	1.53	50%	20+				
127.00	137.00	38.71	41.76	3.05	2.90	95%	1.35	44%	20+	EOH			
			Total	41.15		93%		53%					

[illegible]

<b>DDH No</b>	<b>M12-09</b>							
<b>Metres</b>			<b>%</b>					
<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>			
21.76	22.00	0.24		<b>1-68433</b>	porcellanite			
22.00	22.44	0.44		<b>1-68434</b>	gouge			
22.44	23.03	0.59		<b>1-68435</b>	gouge			
23.03	23.82	0.79		<b>1-68436</b>				
23.82	24.07	0.25		<b>1-68437</b>	vein - Miya Vein			
24.07	24.81	0.74		<b>1-68438</b>				
25.10	25.60	0.50		<b>1-68439</b>	gouge/vein - Miya Vein			
25.60	26.14	0.54		<b>1-68440</b>				





Drillhole Number: M12-10										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
4.00	6.00	1.22	1.83	0.61	0.41	67%	0.12	20%	20+				
6.00	16.00	1.83	4.88	3.05	2.20	72%	0.28	9%	20+				
16.00	26.00	4.88	7.92	3.05	2.14	70%	0.56	18%	20+				
26.00	36.00	7.92	10.97	3.05	3.00	98%	1.50	49%	20+				
		0.00	Total	9.75		77%		24%					

<b>DDH No</b>	<b>M12-10</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			360	-45			
	No survey performed							

<b>DDH No</b>	<b>M12-10</b>							
<b>Metres</b>			<b>%</b>					
<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>			
9.36	9.81	0.45		<b>1-68441</b>	vein			
		0.00						
		0.00						
		0.00						



Company:		Low Profile Ventures				Project:		Miya		DDH Number:		M12-11			
						NTS:		093E/11							
UTM:	9U NAD83		Length:		50.60		Collar Elev:	1951.00		Core Size:	HQ		Surveyed by:	Tyhee	
E:	614562.00		Azimuth:		180		Start Date:	15-Sep-2012		Contractor:	Titan		Units:	Metres	
N:	5956036.00			Dip:	-64		End Date:	16-Sep-2012		Date Logged:	17-Sep-2012		Logged by:	R. Boyce	
Comments: Pad "BB", drilling southward from north side of trench															
Summary: Quartz-sulphide Veins at 38.40 - 38.62m and 41.5 - 41.78m (Miya Vein), with altered rock, fault gouge and rubble between															
Metres		%	%												
From	To	Rec	RQD	Hard	Colour	Description									
0.00	5.18					Overburden									
5.18	25.26			4	Maroon	Ash Tuff/Lapilli Tuff multiple sequences, 0.2 to 2.0m thick									
						strongly bedded/imbricated at 55 degrees to core axis; fining sequence upright									
						fragments subrounded to angular to cusped									
						fragments commonly aligned to flattened									
						coarse sequences more chaotic - fragments angular to rounded, max 3cm									
						except 23.9 - 25.26m: max 8cm									
						fragments show varied lithology/texture/colour									
						20.0 - 21.0m: possible slump									
						patchy weak chlorite-epidote alteration, clay in fine-grained sequences									
						moderate-well fractured with short rubbly/sandy gouge sections - cause core loss									
						20.99 - 21.53m: weakly bedded, tuffaceous siltstone/shale									
						22.0 - 25.66m: increasing coarse-grained chaotic, fragments more rounded									
						downhole contact gradational (alteration change)									
25.26	38.04			4	medium green	Intermediate Lapilli Tuff - rounded to angular fragments to 3cm (local to 6cm)									
						most large fragments porphyritic									
						bedding absent; locally appears as crystal tuff									
						local sheared appearance in matrix									
						pervasive chlorite alteration (weakening downhole)									
						matrix has minor hematite, local silicification									
						low fracture frequency, common at 40 degrees to core axis									
						hematized fracture surfaces increasing downhole									
						carbonate veinlets (+- quartz +- hematite) 1 - 4mm increasing downhole (to 20cm spacing)									
						downhole contact gradational									
38.04	38.40			3	grey-buff	Intermediate Ash Tuff - strongly bleached and clay-altered									
						visible phenocrysts - crystal tuff?									
						38.38m: 1cm quartz-carbonate-pyrite vein at 15 degrees to core axis									
						downhole contact on rusty black minor fault at 15 degrees to core axis									
38.40	38.62			4	white-black	Quartz-Sulphide Vein, banded at 15 to 30 degrees to core axis, 6cm thick									
						drusy quartz with 2cm band massive sphalerite, plus blebby sphalerite-pyrite									
						band on uphole end carbonate-pyrite									
						sphalerite content overall 50%									
						downhole contact rusty gouge at 15 degrees to core axis									
38.62	38.73			1	rusty grey	Clay fault gouge -rusty uphole end; contains few fragments altered rock									
38.73	41.10			3	green-buff	Feldspar-Porphyry - locally brecciated									

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						Alteration: uphole end moderate clay + chlorite; downhole end moderate clay + silicification in					
						well-fractured with limonitized sfcs					
						few quartz veinlets and fracture-fill					
						broken downhole contact					
41.10	41.30					Lost					
41.30	41.50			2	brown-black	Black-surfaced, fragile, porous rubble - limonite, pyrite + pyrolusite					
41.50	41.78			5	white-grey	Quartz-Carbonate-Sulphide Vein, crudely banded, including multiphase breccia (Miya Vein)					
						70% grey and milky quartz, 15% altered rock fragments, 10% marginal coarse-grained pinkish					
						2% chalcopyrite, 2% galena, 2% pyrite					
						downhole contact rusty break at 50 degrees to core axis					
41.78	42.45			2	buff	Strong clay-altered Lapilli Tuff rubble					
						local silicified near 1-4mm quartz-carbonate stringers containing trace sulphides					
42.45	43.35					Lost					
43.35	44.68			2	pale green-grey	Fault Zone intense clay-altered gouge and rubble with disseminated pyrite cubes					
						local silicification after clay ("porcellanite" fragments)					
						local rubble quartz-sulphide vein 5mm					
44.68	47.07			3	green-buff	Crackled Feldspar-Porphyry					
						moderate clay-altered with weak chloritization and disseminated pyrite					
						3 - 5mm quartz-carbonate-(sphalerite) veinlets spaced 20 cm, 30 - 50 degrees to core axis					
						44.68 - 44.78m: 1 - 5 cm thick drusy quartz vein with pink carbonate infill; brecciated					
						46.12 - 46.48m: banded vein quartz-carbonate-sphalerite (3% sphalerite) + 30% wall rock					
						15cm thick at 30 degrees to core axis					
47.07	50.60			4	grey-green	Feldspar-Porphyry - weak chlorite-altered					
50.60						EOH					

Drillhole Number: M12-11										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	17.00	0.00	5.18	5.18									
17.00	26.00	5.18	7.92	2.74	1.51	55%	0.39	14%	20+				
26.00	36.00	7.92	10.97	3.05	3.00	98%	0.89	29%	20+				
36.00	46.00	10.97	14.02	3.05	2.71	89%	0.35	11%	20+				
46.00	56.00	14.02	17.07	3.05	3.00	98%	1.27	42%	20+				
56.00	66.00	17.07	20.12	3.05	2.80	92%	0.66	22%	20+				
66.00	76.00	20.12	23.16	3.05	3.05	100%	1.20	39%	20+				
76.00	86.00	23.16	26.21	3.05	3.05	100%	1.89	62%	20+				
86.00	96.00	26.21	29.26	3.05	2.72	89%	1.28	42%	20+				
96.00	106.00	29.26	32.31	3.05	2.98	98%	1.29	42%	20+				
106.00	116.00	32.31	35.36	3.05	2.84	93%	1.73	57%	20+				
116.00	126.00	35.36	38.40	3.05	3.01	99%	1.21	40%	20+				
126.00	136.00	38.40	41.45	3.05	2.79	92%	0.86	28%	20+				
136.00	146.00	41.45	44.50	3.05	1.95	64%	0.14	5%	20+				
146.00	156.00	44.50	47.55	3.05	2.98	98%	1.62	53%	20+				
156.00	166.00	47.55	50.60	3.05	2.97	97%	2.28	75%	20+				
			Total	50.60		91%		37%					

[illegible]



<b>DDH No:</b>	<b>M12-11</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>		
M12-11	37.96	38.40	0.44		<b>1-68442</b>			
M12-11	38.40	38.62	0.22		<b>1-68443</b>	vein		
<b>M12-11</b>					<b>1-68444</b>	Blank		
M12-11	38.62	39.12	0.50		<b>1-68445</b>			
M12-11	41.30	41.50	0.20		<b>1-68446</b>	rubble		
M12-11	41.50	41.78	0.28		<b>1-68447</b>	vein - Miya Vein		
M12-11	41.78	42.45	0.67		<b>1-68448</b>			
M12-11	46.12	46.48	0.36		<b>1-68449</b>	vein		
M12-11								
M12-11								

<b>Company:</b> Low Profile Ventures		<b>Project:</b> Miya		<b>DDH Number:</b> M12-12			
				<b>NTS:</b> 093E/11			
<b>UTM:</b>	9U NAD83	<b>Length:</b>	75.29	<b>Collar Elev:</b>	1942.20	<b>Core Size:</b>	HQ
<b>E:</b>	614560.50	<b>Azimuth:</b>	180	<b>Start Date:</b>	16-Sep-2012	<b>Contractor:</b>	Titan
<b>N:</b>	5956041.80	<b>Dip:</b>	-64	<b>End Date:</b>	17-Sep-2012	<b>Date Logged:</b>	20-Sep-2012
Comments: Drilling south from north side of trench (Pad "BB")							
Summary: Quartz-sulphide breccia vein 69.9 - 72.45m, sandwiching internal intensely-altered wallrock - Miya Vein							
<b>Metres</b>		<b>%</b>	<b>%</b>				
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>	
0.00	1.22					Overburden	
1.22	13.68			3	maroon	Intermediate Ash Tuff - local variation to dust tuff/siltstone or lapilli tuff	
						strongly bedded to weakly aligned or flattened fragments	
						fragments angular to rounded, 1 - 4mm	
						bedding at 65 degrees, locally rolling	
						weak chlorite alteration in fragments (locally medium green)	
						matrix hematized, along with some fragments	
						moderate-fractured parallel bedding, at low angle to core axis; local rubble	
						11.0 - 13.68m: Lapilli Tuff, not bedded	
						downhole contact gradational	
13.68	35.66			4	medium green	Intermediate Lapilli Tuff (possibly Agglomerate) - chaotic, no bedding (locally Ash Tuff)	
						fragments <5cm, rounded to subangular, locally angular	
						pervasive chlorite alteration; sections have significant hematite in matrix	
						local silicification and sericite in matrix	
						17.93 - 18.32m: porphyry dyke at 40 degrees to core axis	
						24.3 - 24.6m: sheared at 75 degrees to core axis	
						weakly fractured, but locally rubbly	
						generally harder (silicified?) 26.0 - 35.66m	
35.66	36.55			4	medium green	Intermediate crowded feldspar-augite porphyry	
						weak chlorite alteration in matrix, few fractures	
						uphole contact at 70 degrees, downhole contact broken	
36.55	38.00			4	medium green	Lapilli Tuff - 5cm fragments rounded, various other sizes angular to rounded	
38.00	43.27			4	medium green	Feldspar-Augite Porphyry - chloritized matrix, epidote-replaced mafics and some feldspars	
						brecciated/crackled with colour contrast by alteration variation	
						porphyritic within matrix	
						rare carbonate stringer	
43.27	52.15			4	dark grey-green	Agglomerate/Lapilli Tuff - rounded fragments up to 15cm (large fragments porphyritic)	
						fine-grained sections have more angular fragments	
						variable alteration: pervasive chloritized, moderate hematized especially in matrix	
						silica in matrix, increasing downhole	
						weakly fractured at low angle to core axis	
						gradational downhole contact with increasing silicification	
52.15	53.59			5	buff-green	Breccia: mix of all size fragments - green, grey, maroon, buff	
						small fragments angular, larger to 3cm rounded, hematite-chlorite altered	
						matrix buff in central part to green on margins	



Drillhole Number: M12-12										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	12.00	0.00	3.66	3.66									
12.00	17.00	3.66	5.18	1.52	1.66	109%	0.31	20%	20+				
17.00	27.00	5.18	8.23	3.05	2.69	88%	1.72	56%	20+				
27.00	37.00	8.23	11.28	3.05	2.64	87%	1.60	52%	20+				
37.00	47.00	11.28	14.33	3.05	2.88	94%	1.04	34%	20+				
47.00	57.00	14.33	17.37	3.05	2.94	96%	1.60	52%	20+				
57.00	67.00	17.37	20.42	3.05	2.91	95%	1.05	34%	20+				
67.00	77.00	20.42	23.47	3.05	3.00	98%	1.69	55%	20+				
77.00	87.00	23.47	26.52	3.05	2.97	97%	2.02	66%	20+				
87.00	97.00	26.52	29.57	3.05	2.94	96%	0.78	26%	20+				
97.00	107.00	29.57	32.61	3.05	3.05	100%	2.02	66%	20+				
107.00	117.00	32.61	35.66	3.05	3.00	98%	1.31	43%	20+				
117.00	127.00	35.66	38.71	3.05	3.01	99%	2.23	73%	20+				
127.00	137.00	38.71	41.76	3.05	3.01	99%	2.32	76%	17				
137.00	147.00	41.76	44.81	3.05	3.01	99%	2.78	91%	11				
147.00	157.00	44.81	47.85	3.05	2.93	96%	2.40	79%	19				
157.00	167.00	47.85	50.90	3.05	2.90	95%	1.50	49%	20+				
167.00	177.00	50.90	53.95	3.05	2.97	97%	1.70	56%	20+				
177.00	187.00	53.95	57.00	3.05	2.89	95%	0.95	31%	20+				
187.00	197.00	57.00	60.05	3.05	3.05	100%	2.66	87%	20+				
197.00	207.00	60.05	63.09	3.05	3.00	98%	2.55	84%	14				
207.00	217.00	63.09	66.14	3.05	3.05	100%	2.85	94%	17				
217.00	227.00	66.14	69.19	3.05	2.93	96%	2.21	73%	20+				
227.00	237.00	69.19	72.24	3.05	2.96	97%	1.54	51%	20+				
237.00	247.00	72.24	75.29	3.05	3.05	100%	2.54	83%	20				
			Total	75.29		97%		60%					



[illegible]

<b>DDH No:</b>	<b>M12-12</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box#</b>	
M12-12	69.08	69.90	0.82		<b>1-68450</b>		21	
M12-12	69.90	70.59	0.69		<b>1-68451</b>	vein - Miya Vein	21	
M12-12	70.59	71.39	0.80		<b>1-68452</b>	stockwork - Miya Vein	21	
M12-12					<b>1-68453</b>	Standard FCM-6	22	
M12-12	71.39	72.18	0.79		<b>1-68454</b>	vein - Miya Vein	22	
M12-12	71.39	72.18	0.79		<b>1-68455</b>	Duplicate	22	
M12-12	72.18	72.45	0.27		<b>1-68456</b>	stockwork - Miya Vein	22	

<b>Company:</b> Low Profile Ventures		<b>Project:</b> Miya		<b>DDH Number:</b> M12-13			
				<b>NTS:</b> 093E/11			
<b>UTM:</b>	9U NAD83	<b>Length:</b>	75.29	<b>Collar Elev:</b>	1943.20	<b>Core Size:</b>	HQ
<b>E:</b>	614548.90	<b>Azimuth:</b>	215	<b>Start Date:</b>	18-Sep-2012	<b>Contractor:</b>	Titan
<b>N:</b>	5956044.50	<b>Dip:</b>	-58	<b>End Date:</b>	19-Sep-2012	<b>Date Logged:</b>	21-Sep-2012
Comments: Drilling southwest from north side of trench							
Summary: Strong Quartz-Sulphide Veins over short distance: 63.98 - 64.54m. Alteration/stockwork near bottom of hole reminiscent of mesothermal/orogenic veins system							
<b>Metres</b>		<b>%</b>	<b>%</b>				
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>	
0.00	3.66					Overburden	
3.66	35.97			3	maroon	Fragmental volcanic sequence comprising (most to least frequent): Ash Tuff, Agglomerate, Lapilli Tuff and tuffaceous siltstone fragments angular (especially ash) to rounded (especially agglomerate) 25% of unit strongly to crudely bedded (or aligned fragments), commonly at 50 degrees to core axis graded sections indicate tops up 12.3 - 23.0m: dominantly bedded pervasive hematite alteration, local chlorite, especially in fragments and patches, stonger downhole fine-grained units particularly soft and friable (clay-altered?) very broken 3.66 - 9.0m, with about 50% recovery, and rusty 12.40 - 12.68m: fault gouge 24.20 - 30.60m: weaker hematization (mainly in matrix) vs chlorite alteration diffuse downhole contact - gradational increase chlorite vs hematite	
35.97	42.81			3	medium green	Lapilli Tuff/Agglomerate with ash matrix large fragments to 6cm commonly rounded small fragments angular to rounded moderate fractured irregular pattern carbonate stringers near downhole end chlorite alteration weak to moderate, local sericite 41.81 - 42.1m: silicified, grey	
42.81	45.24			3	buff-grey	Feldspar-Porphyry - crackled, altered and oxidized grey where fresh (+ silicified) to orange-buff where weathered clay-carbonate alteration + disseminated pyrite cut by banded quartz-calcite stringers and veins to 12mm, 40 degrees to core axis rusty gouge sections 43.65 - 43.7m (at 40 degrees) and 44.81 - 45.10m (at 10 degrees to core axis) gradational downhole contact	
45.24	57.10			4	medium grey	Lapilli Tuff/Agglomerate - chaotic, no bedding, porphyritic sections weak chlorite alteration, decreasing downhole vs increasing silica/clay silicified fragments in uphole end, to patches toward downhole end, of clay, usually with silica banded quartz-carbonate veins uncommon, increasing downhole gradational downhole contact - alteration change	
57.10	58.50			4	grey-tan	Feldspar-Porphyry - moderate-strong altered with clay and/or silica silica-dominated sections hard, with stockwork crosscutting/multiphase quartz-chalcedony-carbonate veins 5%, with very fine-grained pyrite	
58.50	58.70					Lost	

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
58.70	58.91			2	pale grey	Fault Gouge - clay with angular fragments of surrounding unit					
58.91	59.76			4	grey-tan	Feldspar-Porphyry - moderate-strong altered with clay and/or silica, with stockwork					
						downhole contact minor fault at 20 degrees to core axis					
59.76	63.98			5	green-grey	Feldspar-Porphyry - texture largely erased by silica-sericite-clay alteration (silicification decreasing					
						local chlorite fracture-fill					
						few fractures, rare quartz-carbonate veinlet to 5mm					
						62.25 - 63.28m: rare veinlets quartz-carbonate-sphalerite-galena with trace chalcopyrite					
63.98	64.54			4	olive-brown	Banded Quartz-Sulphide Veins with 55% altered wall rock interleaved - <b>Miya Vein</b>					
						20% sphalerite, 15% quartz, 7% pyrite, 3% carbonate, 0.5% galena					
64.54	65.75			2	green-grey	Fault Zone - 50% chlorite-clay gouge with disseminated pyrite					
						fragments largely angular chloritized rock with quartz-carbonate-stringers with minor sphalerite-					
65.75	66.04					Lost					
66.04	66.72			2	green-grey	Fault Zone - chlorite-clay gouge with fragments chloritized rock and stringers quartz-carbonate					
66.72	74.58			5	buff-green	Porphyritic rock, brecciated and strongly altered variably by clay, sericite and silica, hematized					
						silicification weaker downhole (softer)					
						moderate-fractured					
						68.38 - 74.58m: stockwork quartz-chalcedony, with possibly albite and red spots (hematite?)					
						immediate wall rock has increased clay-sericite, hematite rims, and spots chrome-mica (?)					
						- this alteration style is more characteristic of mesothermal or orogenic vein system					
						69.94 - 71.83m: brecciated/fragmental, stronger chlorite (+hematite), still silicified and stockworked					
74.58	75.29			5	dark green	Porphyritic Rock, crackled; chlorite-sericite-silica altered					
						moderate-fractured, with hematized sfcs					
75.29						EOH					



Drillhole Number: M12-13										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	12.00	0.00	3.66	3.66									
12.00	17.00	3.66	5.18	1.52	0.48	31%	0.00	0%	20+				
17.00	27.00	5.18	8.23	3.05	1.84	60%	0.26	9%	20+				
27.00	37.00	8.23	11.28	3.05	2.96	97%	1.33	44%	20+				
37.00	47.00	11.28	14.33	3.05	2.92	96%	1.10	36%	20+				
47.00	57.00	14.33	17.37	3.05	3.02	99%	1.02	33%	20+				
57.00	67.00	17.37	20.42	3.05	3.02	99%	1.00	33%	20+				
67.00	77.00	20.42	23.47	3.05	2.95	97%	2.00	66%	20+				
77.00	87.00	23.47	26.52	3.05	2.94	96%	1.85	61%	20+				
87.00	97.00	26.52	29.57	3.05	2.93	96%	2.02	66%	20+				
97.00	107.00	29.57	32.61	3.05	3.08	101%	1.61	53%	20+				
107.00	117.00	32.61	35.66	3.05	2.93	96%	2.36	77%	16				
117.00	127.00	35.66	38.71	3.05	3.03	99%	2.30	75%	20+				
127.00	137.00	38.71	41.76	3.05	2.89	95%	2.12	70%	20+				
137.00	147.00	41.76	44.81	3.05	2.95	97%	1.08	35%	20+				
147.00	157.00	44.81	47.85	3.05	3.04	100%	2.09	69%	20+				
157.00	167.00	47.85	50.90	3.05	3.07	101%	2.34	77%	20+				
167.00	177.00	50.90	53.95	3.05	3.03	99%	2.90	95%	7				
177.00	187.00	53.95	57.00	3.05	2.99	98%	2.30	75%	15				
187.00	197.00	57.00	60.05	3.05	2.88	94%	1.88	62%	20+				
197.00	207.00	60.05	63.09	3.05	3.04	100%	2.68	88%	20+				
207.00	217.00	63.09	66.14	3.05	2.77	91%	1.17	38%	20+				
217.00	227.00	66.14	69.19	3.05	2.92	96%	1.02	33%	20+				
227.00	237.00	69.19	72.24	3.05	3.00	98%	1.94	64%	20+				
237.00	247.00	72.24	75.29	3.05	2.95	97%	1.20	39%	20+				
			Total	75.29		93%		54%					

[illegible]

<b>DDH No:</b>	<b>M12-13</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-13	62.25	63.28	1.03		<b>1-68457</b>		18	
M12-13	63.28	63.98	0.70		<b>1-68458</b>		19	
M12-13	63.98	64.54	0.56		<b>1-68459</b>	Vein - Miya Vein	19	
M12-13	63.98	64.54	0.56		<b>1-68460</b>	DUPLICATE	19	
M12-13	64.54	65.50	0.96		<b>1-68461</b>	Gouge	19	
M12-13	66.14	66.72	0.58		<b>1-68462</b>	Gouge	20	
M12-13	66.72	67.20	0.48		<b>1-68463</b>		20	
M12-13	69.26	69.82	0.56		<b>1-68464</b>		21	
M12-13	72.24	73.08	0.84		<b>1-68465</b>		22	
M12-13					<b>1-68466</b>	BLANK		

Company:		Low Profile Ventures				Project:		Miya		DDH Number:		M12-14				1	
								NTS:		093E/11							
UTM:		9U NAD83		Length:		23.16		Collar Elev:		1932.90		Core Size:		HQ		Surveyed by: Tyhee	
E:		614568.70		Azimuth:		25		Start Date:		19-Sep-2012		Contractor:		Titan		Units: Metres	
N:		5955998.40		Dip:		-45		End Date:		19-Sep-2012		Date Logged:		22-Sep-2012		Logged by: R Boyce	
Comments: Drilled from Pad "F". Block error puts final depth at 23.16m; previously reported as 26.21m																	
Summary: Series of quartz-carbonate veins with semi-massive sulphides 16.94 - 21.08m, with intervening altered rock and fault zone (Miya Vein 16.94 - 20.68m))																	
Metres		% Rec		% RQD		Hard		Colour									
From	To									Description							
0.00	1.22									Overburden							
1.22	9.12					4		medium green		Intermediate Feldspar-Augite Porphyry - crackled moderate chloritized and sericitized (especially in matrix) patchy alteration pattern give pseudo-fragmental texture well-fractured, rubbly, weathered and oxidized 1.22 - 3.5m rest of section moderate-well fractured, with limonitized sfcs 6.04m: 12mm banded quartz-carbonate vein with trace pyrite							
9.12	16.94					4		buff-grey		Feldspar-Augite Porphyry texture as above, with varying alteration pervasive clay-altered, commonly with silica overprint, and weak pyrite patchy chloritization, in phenocrysts and patches: 9.5 - 10.6m and 11.35 - 11.8m moderate-fractured with 2cm limonite rind 10.58 - 12.13m: 1 - 5mm stringers quartz-carbonate with galena+sphalerite 1 - 5% of vein (5% of 10.97 - 11.05m: breccia-vein & stockwork with coarse-grained sphalerite-galena 3%; 30 - 60 5mm black quartz, pale buff matrix with silica (+ albite?) with angular wall rock fragments 12.84 - 12.98m: massive white quartz with rims carbonate and sphalerite-galena limonitized and vuggy surfaces; 60 degree contact 12.98 - 13.54m: stockwork/stringers as in 10.58 - 12.13m; vuggy quartz with carbonate infill & cube 16.0 - 16.5m: disseminated spots to 2mm galena-pyrite-sphalerite, <1% downhole contact at 25 degrees to core axis							
16.94	17.27					4		brassy-black		Massive Sulphide Vein/Breccia with 20% wall rock fragments (Miya Vein to 20.68m) coarse-grained: 35% sphalerite, 15% pyrite, 8% chalcopyrite, 2% galena; quartz 25%, carbonate downhole contact 50 degrees tca							
17.27	17.72					3		pale green		Altered, sheared, gouged, veined unit, original texture erased patchy alteration clay-sericite-silica-chlorite cut by very irregular stockwork (25% of unit) quartz-pink carbonate-(pyrite cubes/blebs) very fine-grained grey-black sulphide hairlines and spots (can identify some galena and downhole contact on fault							
17.72	17.97									Lost							
17.97	18.41					1		pale green-grey		Fault Zone - gritty clay and 25% fragments quartz-carbonate-pyrite vein material; 30% wallrock							
18.41	18.82					2		pale green-grey		Rubbly Fault, with clay gouge, and 25% fragments galena-sphalerite-quartz-carbonate-chalcopyrite							
18.82	19.93					4		pink-grey		Complex multiphase breccia/vein: coarse-grained pink carbonate-quartz with 16% sphalerite, 12% galena, 5% chalcopyrite, 4% pyrite, and 20% altered wallrock fragments banding common at 40 degrees to core axis downhole contact 60 degrees to core axis							
19.93	20.48					4		green-grey		Feldspar-Porphyry with chlorite & silica alteration							



Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						cut by irregular 1 - 3mm quartz-sphalerite-(pyrite) stringers at 2cm spacing					
						downhole contact sharp at 45 degrees to core axis					
20.48	20.68			4	grey-brown	Massive banded Sulphide-Silica Vein					
						20% sphalerite, 8% pyrite, 4% galena, 4% chalcopyrite					
						drusy quartz with pink carbonate infill off-centre					
						downhole contact sharp at 60 degrees to core axis					
20.68	23.16			4	tan-green	Feldspar-Porphyry - brecciated					
						weak-moderate alteration: clay +/- chlorite with silica overprint					
						scattered 1 - 3mm quartz-sphalerite-(pyrite-galena) stringers, irregular and cross-cutting					
						20.97 - 21.08m: complex H-shaped vein at 60 degrees to core axis					
						core is drusy quartz-carbonate with walls of coarse-grained sphalerite and trace pyrite					
23.16						EOH					

Drillhole Number: M12-14										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	4.00	0.00	1.22	1.22					20+				
4.00	6.00	1.22	1.83	0.61	0.64	105%	0.00	0%	20+				
6.00	16.00	1.83	4.88	3.05	2.66	87%	0.92	30%	20+				
16.00	26.00	4.88	7.92	3.05	2.84	93%	1.92	63%	20+				
26.00	36.00	7.92	10.97	3.05	3.12	102%	2.28	75%	20+				
36.00	46.00	10.97	14.02	3.05	2.96	97%	0.99	32%	20+				
46.00	56.00	14.02	17.07	3.05	2.90	95%	1.09	36%	20+				
56.00	66.00	17.07	20.12	3.05	2.90	95%	1.11	36%	20+	Gouge			
66.00	76.00	20.12	23.16	3.05	3.11	102%	2.67	88%	11				
			Total	23.16		97%		45%					

<b>DDH No</b>	<b>M12-14</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			25	-45			
26.21	Downhole	Reflex Easy-shot	8.8	26.9	-44.9	5763	Y	

<b>DDH No:</b>	<b>M12-14</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-14	16.00	16.94	0.94		<b>1-68467</b>		5	
M12-14	16.94	17.27	0.33		<b>1-68468</b>	Vein	6	
M12-14	17.27	17.72	0.45		<b>1-68469</b>		6	
M12-14	17.97	18.83	0.86		<b>1-68470</b>	Gouge & Vein	6	
M12-14	18.83	19.45	0.62		<b>1-68471</b>	Vein	6	
M12-14	19.45	19.93	0.48		<b>1-68472</b>	Vein	6	
M12-14	19.93	20.48	0.55		<b>1-68473</b>		7	
M12-14					<b>1-68474</b>	STANDARD FCM-6	7	
M12-14	20.48	21.08	0.60		<b>1-68475</b>	Vein	7	
M12-14	21.08	21.71	0.63		<b>1-68476</b>		7	
M12-14								
M12-14								



<b>Company: Low Profile Ventures</b>					<b>Project: Miya</b>		<b>DDH Number: M12-15</b>			
					<b>NTS: 093E/11</b>					
<b>UTM:</b>	9U NAD83	<b>Length:</b> 44.81		<b>Collar Elev:</b>	1932.90	<b>Core Size:</b>	HQ	<b>Surveyed by:</b>	Tyhee	
<b>E:</b>	614568.90	<b>Azimuth:</b> 25		<b>Start Date:</b>	20-Sep-2012	<b>Contractor:</b>	Titan	<b>Units:</b>	Metres	
<b>N:</b>	5955998.60		<b>Dip:</b> -63	<b>End Date:</b>	20-Sep-2012	<b>Date Logged:</b>	23-Sep-2012	<b>Logged by:</b>	R Boyce	
Comments: Drilled from Pad "F"										
Summary: Narrow high-sulphide veins 16.70 - 19.15m; banded vein with massive sulphides 24.44 - 25.70m (Miya Vein); few more narrow veins 25.70 - 31.0m										
<b>Metres</b>		<b>%</b>	<b>%</b>							
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>				
0.00	1.22					Overburden				
1.22	2.27			4	brown	Lapilli Tuff - broken, limonitized, core loss				
2.27	5.20			4	medium green	Ash Tuff, locally as Lapilli Tuff - angular fragments, few 1 - 3cm are rounded				
						weak alignment of fragments				
						weak chlorite alteration				
						moderate fractured, with limonitized surfaces				
5.20	10.67			4	grey-green	Feldspar-Porphyry, locally brecciated				
						moderate-well fractured, limonitized surfaces with 1cm rind				
						weak-moderate chlorite alteration patchy - gives sheared appearance				
						local hematite in matrix, local silicification (hard) or clay (softer)				
						gradational downhole contact				
10.67	15.45			4	pale green-buff	Feldspar-Porphyry, with local fragmental/breccia texture				
						complex alteration pattern; moderate clay (+-chlorite +- silica) - variable hardness				
						moderate fractured with up to 3cm of rusty rind				
						local irregular drusy quartz-carbonate-chlorite stringers				
15.45	20.48			4	pale green-buff	Strongly Altered Unit - original texture largely erased				
						shows both porphyritic and fragmental texture in places				
						alteration as strong clay, with patchy chlorite; local spots 2mm of apparent chrome-mica				
						less silicification than previous unit, mainly 19.35 - 20.35m				
						many tiny, crosscutting quartz-carbonate-(chlorite-pyrite) stringers with bleached envelopes				
						18.63 - 19.06m: sheeting (60% of unit) drusy quartz-carbonate, with minor pyrite+galena				
						with disseminated pyrite cubes in wallrock				
						broken downhole contact				
20.48	21.12			4	pale grey	Feldspar-Porphyry Dyke - looks fresh, but glassy and siliceous				
						weak chlorite-hematite alteration of mafics				
						few quartz-pyrite stringers and disseminated pyrite				
						well-fractured				
						sharp downhole contact at 50° to core axis				
21.12	24.44			3	pale green-grey	Feldspar-Augite Porphyry - chalky, intensely altered with clay, minor remnant chlorite and rare				
						few hard, silicified sections, look glassy				
						scattered drusy quartz-chalcedony stringers to 8mm				
						well-fractured, commonly at 65° to core axis				
						rubbly/gouge sections especially 22.6 - 23.5m; core loss 23.47 - 24.25m				
						downhole contact on rusty fracture at 25° to core axis				
24.44	25.70			4	pink-brassy	Banded Vein, locally brecciated, with quartz-carbonate rims and massive sulphide core, with 30%				

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						moderate-fractured, common subparallel banding at 50° to core axis ( <b>Miya Vein</b> )					
						24.44 - 24.80m: drusy quartz and salmon-colour carbonate, coarse-grained					
						2% pyrite, 3% chalcopyrite, trace galena and very fine-grained dark sulphide					
						24.88 - 24.96m: massive sulphide hooked vein 4 - 7cm thick at 50° to core axis					
						30% sphalerite, 25% pyrite, 12% chalcopyrite, 5% galena					
						25.12 - 25.33m: coarse-grained massive sulphide vein with 30° uphole contact and 70° downhole					
						30% sphalerite, 30% pyrite, 15% galena, 5% chalcopyrite					
						25.33 - 25.70m: multiphase quartz-chalcedony vein with blebby sphalerite-pyrite-(chalcopyrite)					
						entrained altered wallrock has coarse cubic pyrite					
25.70	32.72			3	green-buff	Feldspar-Porphyry, bleached; alteration pattern gives pseudo-fragmental appearance					
						moderate-strong clay alteration + weak chlorite					
						weakly fractured with limonitized surfaces and rinds					
						25.7 - 31.0m: 1 - 5mm quartz-(carbonate-sphalerite) stringers at 35° to core axis					
						larger veins show drusy quartz with carbonate fill and coarse-grained massive sphalerite rims:					
						26.3m: 2cm, 26.43m: 8cm, 28.05m: 2cm and 29.61m: 8cm					
						35.6 - 32.0m: stronger chlorite vs clay alteration					
32.72	42.52			4	buff-grey	Feldspar-Porphyry - alteration gives local pseudo-fragmental appearance					
						moderate clay alteration, with chlorite-(epidote) phenocrysts and patches + silica overprint					
						downhole half of unit has patchy purple-grey hematized blobs, giving mottled appearance					
						well-fractured, some limonitized sfcs					
						30.35 - 30.85m: rubble/gouge zone with core loss, and limonite/pyrolusite surfaces					
42.52	44.81			3	purple-grey	Feldspar-Porphyry, weak chlorite-(epidote) alteration with hematite; few carbonate stringers					
44.81						EOH					

Drillhole Number: M12-15										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	4.00	0.00	1.22	1.22									
4.00	7.00	1.22	2.13	0.91	0.51	56%	0.12	13%	20+				
7.00	17.00	2.13	5.18	3.05	2.96	97%	1.11	36%	20+				
17.00	27.00	5.18	8.23	3.05	2.95	97%	1.65	54%	20+				
27.00	37.00	8.23	11.28	3.05	3.04	100%	2.20	72%	20+				
37.00	47.00	11.28	14.33	3.05	2.97	97%	1.47	48%	20+				
47.00	57.00	14.33	17.37	3.05	3.00	98%	1.92	63%	20+				
57.00	67.00	17.37	20.42	3.05	3.12	102%	2.49	82%	17				
67.00	77.00	20.42	23.47	3.05	2.80	92%	0.69	23%	20+				
77.00	87.00	23.47	26.52	3.05	2.38	78%	1.86	61%	20+	core loss on fault			
87.00	97.00	26.52	29.57	3.05	3.05	100%	2.02	66%	19				
97.00	107.00	29.57	32.61	3.05	3.06	100%	2.62	86%	11				
107.00	117.00	32.61	35.66	3.05	3.05	100%	0.66	22%	20+				
117.00	127.00	35.66	38.71	3.05	2.93	96%	1.63	53%	20+				
127.00	137.00	38.71	41.76	3.05	2.86	94%	1.55	51%	20+				
137.00	147.00	41.76	44.81	3.05	2.90	95%	1.90	62%	20+				
			Total	44.81		94%		53%					

[illegible]



<b>DDH No:</b>	<b>M12-15</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-15	16.20	16.70	0.50		1-68477		5	
M12-15	16.70	17.24	0.54		1-68478	vein	5	
M12-15	17.24	18.56	1.32		1-68479		6	
M12-15	18.56	19.15	0.59		1-68480	vein	6	
M12-15					1-68481	BLANK	6	
M12-15	19.15	19.67	0.52		1-68482		6	
M12-15	24.25	24.44	0.19		1-68483		8	
M12-15	24.44	25.15	0.71		1-68484	vein	8	
M12-15	25.15	25.70	0.55		1-68485	massive sulphide vein	8	
M12-15	25.15	25.70	0.55		1-68486	DUPLICATE	8	
M12-15	25.70	26.27	0.57		1-68487		8	
M12-15	26.27	26.68	0.41		1-68488	vein	8	
M12-15	26.68	27.97	1.29		1-68489		9	
M12-15	27.97	28.60	0.63		1-68490	vein	9	
M12-15	28.60	29.57	0.97		1-68491		9	
M12-15	29.57	29.86	0.29		1-68492	vein	9	
M12-15								
M12-15								

<b>Company:</b> Low Profile Ventures		<b>Project:</b> Miya		<b>DDH Number:</b> M12-16			
				<b>NTS:</b> 093E/11			
<b>UTM:</b>	9U NAD83	<b>Length:</b>	62.79	<b>Collar Elev:</b>	1932.70	<b>Core Size:</b>	HQ
<b>E:</b>	614581.30	<b>Azimuth:</b>	25	<b>Start Date:</b>	21-Sep-2012	<b>Contractor:</b>	Titan
<b>N:</b>	5955989.80	<b>Dip:</b>	-45	<b>End Date:</b>	22-Sep-2012	<b>Date Logged:</b>	25-Sep-2012
Comments: Drilled from Pad "I"							
Summary: Four separated 20cm hi-sulphide veins: 22.06 - 33.3m (one is Miya vein?); second projected vein not found							
<b>Metres</b>		<b>%</b>	<b>%</b>				
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>	
0.00	1.22					Overburden	
1.22	9.68			3	green-brown	Feldspar-Porphyry - weak chlorite-(hematite) alteration; hard & dark green where not weathered	
						most of section well-fractured, weathered and limonitized	
						6.15-6.40m: fault gouge, rusty clay,	
						uphole contact 65°, downhole contact 40° to core axis	
9.68	10.97			4	dark green	Intermediate Fragmental, angular to rounded fragments to max 5cm	
						moderate fractured, limonitized surfaces	
10.97	12.05			4	dark green	Feldspar-Porphyry - moderate chloritized, but hard; clay alteration increasing downhole	
12.05	12.43					Lost	
12.43	18.28			4	green-buff	Feldspar-Porphyry - variable alteration chlorite+-clay+-silica,	
						increasing bleaching and hard/siliceous downhole	
						well-fractured to broken, decreasing downhole, limonitized rinds 5cm	
						few stringers carbonate or quartz-carbonate with some bleached envelopes	
						gradational downhole contact	
18.28	22.06			4	olive-grey	Feldspar-Porphyry - bleached, crackled, well-altered	
						well-fractured to broken, limonitized rinds 3cm	
						alteration: clay pervasive, increasing downhole, silica decreasing downhole	
						fine stockwork/fracture-fill quartz-(pyrite-sphalerite) increasing downhole, from minor to 5%	
22.06	22.55			3	pink-silver	Banded/Breccia Vein with quartz-carbonate (+ bleb sulphide) core; and coarse-grained sulphide rims	
						2 - 10cm wide - Miya Vein?	
						downhole end features fine breccia with carbonate/wallrock fragments in quartz-sulphide matrix	
						overall 30% sulphide: 15% sphalerite, 5% galena, 4% chalcopryite, 3% pyrite	
22.55	23.16			3	pale green	Intermediate Lapilli Tuff - moderate clay-sericite altered with disseminated pyrite	
						moderate fractured	
						small stockwork quartz-carbonate with very fine-grained sulphides - 6% of unit	
						broken downhole contact	
23.16	24.83			2	pale grey	Fault Zone: 50% clay-sericite gouge with milled fragments wallrock containing	
						10% quartz-carbonate-sphalerite-pyrite-galena vein	
						24.1 - 24.65m: broken/gouge, altered & oxidized porphyry with weak stockwork	
						faulted downhole contact at 70° to core axis	
24.83	25.18			3	brown-pink	Banded/Breccia Vein with 10cm uphole section breccia, adjacent 6cm massive carbonate-quartz,	
						5cm banded carbonate with blebs sulphide, 10cm banded sulphides at 70° - Miya Vein?	
						downhole contact at 20° to core axis	
25.18	33.43			3	pale green-grey	Feldspar-Porphyry, bleached, moderate clay-sericite altered; locally crackled (containing Miya Vein?)	
						chlorite in phenocrysts and patches, with disseminated pyrite	

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						moderate-fractured to broken					
						common quartz-carbonate stringers, hairline to 5mm +- pyrite, galena & sphalerite					
						spacing varies 2cm to 25cm; at 50° to 70° to core axis, some crosscutting					
						28.59 - 28.68m: stockwork quartz-chalcedony-carbonate (+pyrite-chalcopryite) at 55° to core axis					
						32.31 - 32.37m: 40° vein of drusy quartz + 8% sphalerite, 3% pyrite, trace galena as blebs or quartz					
						33.37 - 33.43m: vein with sulphide core containing 5% sphalerite, 3% pyrite, 2% galena, 1%					
						uphole contact 45°, downhole contact 35° to core axis					
33.43	37.40			5	pale green-grey	Feldspar-Porphyry similar to previous unit, but harder (silicified)					
						local hairline crosscutting stringers quartz+-carbonate+-chlorite					
						moderate fractured					
						gradational downhole contact					
37.40	40.98			5	pale purple-grey	Feldspar-Porphyry similar to previous unit, mottled due to added hematite in matrix, little clay-sericite					
						siliceous, hard					
						moderate fractured, pseudo-breccia appearance due to patchy alteration					
						40.4 - 40.98m: pale pink					
						broken downhole contact					
40.98	51.17			5	dark green	Intermediate Fragmental, ash to lapill-size fragments, porphyritic sections to 40cm (dyke?)					
						chlorite-hematite altered with disseminated pyrite, but hard (siliceous)					
						scattered quartz-chalcedony-carbonate-(hematite) stringers (max 1cm) with minor bleached					
						half-metre spacing					
51.17	62.79			5	medium green	Feldspar-Porphyry - weak altered chlorite-epidote-hematite					
						mottled, locally crackled, weakly fractured					
						few quartz-carbonate-chlorite-hematite stringers to 3mm, 20cm spacing					
						60.02 - 61.18m: weak bleached (clay+silica)					
						few carbonate or quartz-carbonate stringers					
						60.52 - 60.57m: banded quartz-carbonate-(pyrite) breccia/vein at 70° to core axis					
						61.57 - 61.91m: moderate sericite alteration, aligned at 80° to core axis					
						carbonate stockwork @ downhole end					
62.79						EOH					

Drillhole Number: M12-16										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	4.00	0.00	1.22	1.22									
4.00	6.00	1.22	1.83	0.61	0.55	90%	0.00	0%	20+				
6.00	16.00	1.83	4.88	3.05	3.00	98%	1.20	39%	20+				
16.00	26.00	4.88	7.92	3.05	2.91	95%	1.33	44%	20+				
26.00	36.00	7.92	10.97	3.05	2.98	98%	1.25	41%	20+				
36.00	46.00	10.97	14.02	3.05	2.30	75%	0.54	18%	20+				
46.00	56.00	14.02	17.07	3.05	2.92	96%	1.50	49%	20+				
56.00	66.00	17.07	20.12	3.05	3.00	98%	1.89	62%	20+				
66.00	76.00	20.12	23.16	3.05	3.00	98%	1.47	48%	20+				
76.00	86.00	23.16	26.21	3.05	2.84	93%	0.62	20%	20+				
86.00	96.00	26.21	29.26	3.05	3.10	102%	1.98	65%	20+				
96.00	106.00	29.26	32.31	3.05	3.06	100%	1.77	58%	20+				
106.00	116.00	32.31	35.36	3.05	3.03	99%	1.98	65%	20+				
116.00	126.00	35.36	38.40	3.05	2.90	95%	1.50	49%	20+				
126.00	136.00	38.40	41.45	3.05	2.93	96%	1.32	43%	20+				
136.00	146.00	41.45	44.50	3.05	3.07	101%	1.48	49%	20+				
146.00	156.00	44.50	47.55	3.05	3.04	100%	2.34	77%	18				
156.00	166.00	47.55	50.60	3.05	2.98	98%	2.54	83%	19				
166.00	176.00	50.60	53.64	3.05	3.00	98%	2.35	77%	14				
176.00	186.00	53.64	56.69	3.05	3.06	100%	2.83	93%	14				
186.00	196.00	56.69	59.74	3.05	3.07	101%	1.98	65%	20+				
196.00	206.00	59.74	62.79	3.05	2.83	93%	1.80	59%	20+				
			Total	62.79		97%		53%					



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<b>DDH No:</b>	<b>M12-16</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-16	21.29	22.06	0.77		<b>1-68493</b>	stringers	7	
M12-16	22.06	22.55	0.49		<b>1-68494</b>	vein - Miya Vein?	7	
M12-16	22.55	23.16	0.61		<b>1-68495</b>		8	
M12-16					<b>1-68496</b>	STANDARD FCM-6		
M12-16	23.16	24.00	0.84		<b>1-68497</b>	gouge	8	
M12-16	24.00	24.83	0.83		<b>1-68498</b>		8	
M12-16	24.83	25.18	0.35		<b>1-68499</b>	vein - Miya Vein?	8	
M12-16	25.18	25.51	0.33		<b>1-68600</b>		8	
M12-16	31.90	32.31	0.41		<b>1-68601</b>	note change to 68601, NOT 68501	11	
M12-16	32.31	32.56	0.25		<b>1-68602</b>	vein - Miya Vein?	11	
M12-16	32.56	33.23	0.67		<b>1-68603</b>		11	
M12-16	33.23	33.43	0.20		<b>1-68604</b>	vein - Miya Vein?	11	
M12-16					<b>1-68605</b>	BLANK		
M12-16	33.43	33.90	0.47		<b>1-68606</b>		11	
M12-16								
M12-16								

<b>Company:</b> Low Profile Ventures		<b>Project:</b> Miya		<b>DDH Number:</b> M12-17			
				<b>NTS:</b> 093E/11			
<b>UTM:</b>	9U NAD83	<b>Length:</b>	47.85	<b>Collar Elev:</b>	1932.50	<b>Core Size:</b>	HQ
<b>E:</b>	614581.10	<b>Azimuth:</b>	25	<b>Start Date:</b>	22-Sep-2012	<b>Contractor:</b>	Titan
<b>N:</b>	5955989.40	<b>Dip:</b>	-64	<b>End Date:</b>	22-Sep-2012	<b>Date Logged:</b>	26-Sep-2012
Comments: Drilled from Pad "I"							
Summary: strong stockwork and hi-sulphide vein 40.38 - 41.76m (Miya Vein?) and hi-sulphide vein 44.28 - 44.45m							
<b>Metres</b>		<b>%</b>	<b>%</b>				
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>	
0.00	1.22					Overburden	
1.22	11.50			5	dark green	Feldspar-Porphyry - weakly chlorite-altered, hard well-fractured, limonitized sfcs, commonly at 40° and subparallel to core axis	
						gradational downhole contact	
11.50	34.16			4	grey-buff	Feldspar-Porphyry - variably bleached by clay/sericite alteration, locally more chlorite locally silicified, and hematized as stringers or patches	
						commonly well-fractured, at 30° and other orientations, some solid core	
						rubbly 13.84 - 14.17m	
						stringers carbonate and quartz-carbonate 1 - 10mm thick, 30cm spacing	
						13.66 - 13.84m: massive white quartz with chlorite-sericite partings, <1% pyrite and trace galena	
						14.57 - 14.70m: silicified quartz-carbonate stockworked vein with 0.5% pyrite + galena + sphalerite	
						uphole contact fault at 30° to core axis	
						downhole contact broken	
34.16	34.64			2	grey-buff	Fault Zone - uphole side mainly rubble, downhole side mainly gritty gouge	
34.64	34.87			4	pale green	Feldspar-Porphyry - siliceous, with crosscutting quartz-(hematite) stockwork/sheeting	
34.87	40.10			2	pale grey-buff	Fault Zone - angular fragments of previous unit lithology, and gouge - gritty to clayey	
						sections with quartz-carbonate-(hematite) stringers	
						some dark grey gouge - very fine-grained sulphides?	
40.10	42.12			4	pale green	Feldspar-Porphyry - strongly altered	
						patchy clay-(sericite-chlorite-disseminated pyrite) and silicified after	
						common quartz-chalcedony-carbonate-(pyrite) with trace galena-sphalerite, at 50° to 70° to core axis	
						40.38 - 41.52m: strong stockwork (25%)	
						quartz-carbonate with 1% pyrite, trace galena-sphalerite and local hematite	
						40.66 - 40.75m: massive pyrite 50% + chalcoppyrite 4%, sphalerite 0.5%	
						41.52 - 41.76m: pinkish-grey multiphase, crosscutting quartz-chalcedony-pink carbonate vein at 65°	
						with 6% pyrite-sphalerite-(galena-chalcoppyrite)	
						downhole contact on fault gouge at 45° to core axis	
						44.28 - 44.45m: drusy quartz and carbonate-filling with blebs pyrite, 2% & rims 1.5cm massive	
42.12	47.85			4	dark green	Feldspar-Porphyry - weakly-altered	
						commonly crosscutting carbonate stringers 1-3mm, spaced 5cm	
47.85						EOH	

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					



Drillhole Number: M12-17										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	4.00	0.00	1.22	1.22									
4.00	7.00	1.22	2.13	0.91	0.81	89%	0.17	19%	20+				
7.00	17.00	2.13	5.18	3.05	2.89	95%	1.40	46%	20+				
17.00	27.00	5.18	8.23	3.05	2.85	94%	1.23	40%	20+				
27.00	37.00	8.23	11.28	3.05	2.95	97%	0.85	28%	20+				
37.00	47.00	11.28	14.33	3.05	2.97	97%	2.35	77%	20+				
47.00	57.00	14.33	17.37	3.05	2.80	92%	0.40	13%	20+				
57.00	67.00	17.37	20.42	3.05	3.10	102%	2.27	74%	20+				
67.00	77.00	20.42	23.47	3.05	3.08	101%	1.84	60%	20+				
77.00	87.00	23.47	26.52	3.05	2.98	98%	0.85	28%	20+				
87.00	97.00	26.52	29.57	3.05	3.01	99%	0.53	17%	20+				
97.00	107.00	29.57	32.61	3.05	3.02	99%	1.30	43%	20+				
107.00	117.00	32.61	35.66	3.05	2.81	92%	0.70	23%	20+				
117.00	127.00	35.66	38.71	3.05	2.85	94%	0.00	0%	20+				
127.00	137.00	38.71	41.76	3.05	3.01	99%	1.70	56%	20+				
137.00	147.00	41.76	44.81	3.05	3.01	99%	2.66	87%	11				
147.00	157.00	44.81	47.85	3.05	3.03	99%	2.35	77%	14				
			Total	47.85		96%		43%					

<b>DDH No</b>	<b>M12-17</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			25	-64			
47.85	Downhole	Reflex Easy-shot	359.1	17.2	-64.3	5736	Y	

<b>DDH No:</b>	<b>M12-17</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-17	39.50	40.10	0.60		<b>1-68615</b>		14	
M12-17	40.10	40.79	0.69		<b>1-68607</b>	stringers - Miya Vein?	14	
M12-17	40.79	41.52	0.73		<b>1-68608</b>	stringers - Miya Vein?	14	
M12-17	40.79	41.52	0.73		<b>1-68609</b>	DUPLICATE	14	
M12-17	41.52	41.76	0.24		<b>1-68610</b>	vein	15	
M12-17	41.76	42.30	0.54		<b>1-68611</b>		15	
M12-17	43.70	44.28	0.58		<b>1-68612</b>		15	
M12-17	44.28	44.45	0.17		<b>1-68613</b>	vein	15	
M12-17	44.45	45.12	0.67		<b>1-68614</b>		16	
M12-17								
M12-17								

<b>Company:</b> Low Profile Ventures					<b>Project:</b> Miya		<b>DDH Number:</b> M12-18			
					<b>NTS:</b> 093E/11					
<b>UTM:</b>	9U NAD83	<b>Length:</b> 26.21			<b>Collar Elev:</b>	1925.80	<b>Core Size:</b>	HQ	<b>Surveyed by:</b>	Tyhee
<b>E:</b>	614612.60	<b>Azimuth:</b> 13			<b>Start Date:</b>	23-Sep-2012	<b>Contractor:</b>	Titan	<b>Units:</b>	Metres
<b>N:</b>	5955982.80		<b>Dip:</b>	-45	<b>End Date:</b>	23-Sep-2012	<b>Date Logged:</b>	27-Sep-2012	<b>Logged by:</b>	R Boyce
Comments: Drilled from Pad "M"										
Summary: Small hi-sulphide vein 16.47 - 16.84m (adjacent to lost core) - Miya Vein, plus several sections of low-sulphide stringers 18.21 - 23.46m										
<b>Metres</b>		<b>%</b>	<b>%</b>							
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>				
0.00	1.22					Overburden				
1.22	10.34			3	green-brown	Intermediate Feldspar-Porphyry, weak chlorite-altered, to local weak clay-altered well-fractured to rubbly; weathered pervasive limonitized, to locally limonitized surfaces only				
						1.85 - 2.37m: gritty, rusty gouge				
						few quartz stringers near downhole end				
						8.53 - 8.58m:quartz-carbonate breccia-fill (30%) in clay-altered section				
10.34	16.02			3	buff-grey	Feldspar-porphyry - weathered with limonite rinds to 3cm on fractures				
						bleached: weak-moderate clay alteration, with minor chlorite				
						moderate-well fractured, commonly at 40° and 70° to core axis				
						localized quartz-chalcedony-carbonate stringers(stockwork), some with hematite (jasper), rarely with toward downhole end, more rubbly, more stockwork and silicification				
16.02	16.47					Lost				
16.47	16.84			5	black-grey	Semi-massive, broken, sphalerite (+ pyrite, chalcopyrite, galena) vein, with central slice clay-altered				
						cut by intense, multiphase quartz-carbonate stockwork - <b>Miya Vein</b>				
						overall, 6% sphalerite, 3% pyrite, 1% chalcopyrite, 0.5% galena				
						downhole contact fault gouge 7cm thick, often rusty (core loss?) with rounded fragments				
16.84	25.50			4	pale buff-green	Feldspar-Porphyry, moderate bleached by clay + sericite (+chlorite-hematite)				
						few spots bright green, soft mineral, appears like chrome-mica				
						local silicification near stockwork, with disseminated pyrite				
						moderate-fractured, commonly at 30° and 70° to core axis				
						some rubbly/gouge sections 16.95 - 17.12m, 19.72 - 19.98m at 20°, 21.25 - 21.35m at 35°, 22.94 - irregular stockwork throughout: quartz-chalcedony-pink carbonate, crosscutting, <1cm				
						spacing 5cm, irregular				
						less commonly with minor pyrite-sphalerite				
						18.21 - 18.68m: older? stringers pyrite-sphalerite-(galena-chalcopyrite); total sulphides 2%				
						fracture surfaces show bornite on pyrite				
						19.36 - 19.70m: similar stringers to above section, <1% sulphides				
						23.05 - 23.46m: irregular stockwork grey chalcedony with pink carbonate rim, 15% of section				
						cubic pyrite and bleb chalcopyrite plus very fine-grained sulphides <1%				
25.50	26.21			4	dark green	Feldspar-Porphyry - hard, fresh to weak chlorite-altered (+hematite)				
						weak-moderate fractured				
26.21						EOH				



Drillhole Number: M12-18										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	4.00	0.00	1.22	1.22									
4.00	6.00	1.22	1.83	0.61	0.31	51%	0.00	0%	20+				
6.00	16.00	1.83	4.88	3.05	2.48	81%	0.49	16%	20+				
16.00	26.00	4.88	7.92	3.05	2.63	86%	0.93	31%	20+				
26.00	36.00	7.92	10.97	3.05	2.76	91%	1.60	52%	20+				
36.00	46.00	10.97	14.02	3.05	2.90	95%	1.14	37%	20+				
46.00	56.00	14.02	17.07	3.05	2.59	85%	0.82	27%	20+				
56.00	66.00	17.07	20.12	3.05	2.82	93%	1.44	47%	20+				
66.00	76.00	20.12	23.16	3.05	3.02	99%	1.52	50%	20+				
76.00	86.00	23.16	26.21	3.05	3.00	98%	2.14	70%	20+				
			Total	26.21		87%		37%					

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<b>DDH No:</b>	<b>M12-18</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-18	15.60	16.02	0.42		<b>1-68616</b>	part rubble		
M12-18	16.47	16.84	0.37		<b>1-68617</b>	vein		
M12-18	16.84	17.50	0.66		<b>1-68618</b>			
M12-18	17.50	18.21	0.71		<b>1-68619</b>			
M12-18	18.21	18.68	0.47		<b>1-68620</b>	stockwork		
<b>M12-18</b>					<b>1-68621</b>	<b>BLANK</b>		
M12-18	18.68	19.51	0.83		<b>1-68622</b>			
M12-18	19.51	19.98	0.47		<b>1-68623</b>	stringers		
M12-18	23.07	23.46	0.39		<b>1-68624</b>	stringers		
M12-18								
M12-18								

<b>Company:</b> Low Profile Ventures		<b>Project:</b> Miya		<b>DDH Number:</b> M12-19			
				<b>NTS:</b> 093E/11			
<b>UTM:</b>	9U NAD83	<b>Length:</b>	44.81	<b>Collar Elev:</b>	1926.10	<b>Core Size:</b>	HQ
<b>E:</b>	614612.40	<b>Azimuth:</b>	13	<b>Start Date:</b>	23-Sep-2012	<b>Contractor:</b>	Titan
<b>N:</b>	5955982.30	<b>Dip:</b>	-63	<b>End Date:</b>	24-Sep-2012	<b>Date Logged:</b>	28-Sep-2012
Comments: Drilled from Pad "M"							
Summary: Complex vein/breccia/fault intersections: subparallel core 26.10 - 32.35m, veins at moderate angle: 21.55 - 21.75m and 32.67 - 39.0m.							
<b>Metres</b>		<b>%</b>	<b>%</b>				
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>	
0.00	2.44					Overburden	
2.44	6.90			4	medium grey	Feldspar-Porphyry - mottled buff to grey to green-grey	
						weak pervasive clay alteration, local clay and hematite	
						well-fractured and some rubble, limonitized rinds to 5cm	
						downhole contact on fault at 55° to core axis	
6.90	7.77			2	pale grey	Fault Gouge, 50% sandy clay, with rounded to angular fragments of previous unit	
						weak carbonate stockwork	
						downhole contact at 70° to core axis	
7.77	21.55			4	pale grey	Feldspar-Porphyry - very broken and rubbly with a few solid sections	
						fractures common at 50° to core axis, limonitized rinds to 3cm	
						rubble sections 11.10 - 11.60m and 17.20 - 19.36m	
						7.77 - 19.36m: irregular stringers (local to 5%) quartz-carbonate with hematite-pyrite in envelopes	
						17.67 - 17.61m: quartz-carbonate-sericite stringers with blebs pyrite-sphalerite 5%, at 80° to core	
						19.36 - 21.55m: quartz-(carbonate)-pyrite stringers irregular 1 - 5mm, 10cm spacing	
						sharp downhole contact on minor rusty fault at 45° to core axis	
21.55	21.75			5	white-grey	Quartz-Carbonate Vein, vuggy, with 10% black quartz (very fine-grained sulphides) 3% pyrite, 2%	
						sharp downhole contact on rusty minor fault at 45° to core axis	
21.75	25.23			4	buff-grey	Feldspar-Porphyry - moderate-altered with clay (sericite-chlorite), but still hard	
						weak to strong fractured, with limonitized surfaces	
						irregular stockwork quartz-carbonate-pyrite (+chlorite or hematite), 1 - 3mm wide, 2 - 10cm spacing	
						at 10° to 80° to core axis, some parallels core	
25.23	26.10			2	light grey	Fault Zone - rubble + clay gouge	
						including stringers similar to previous unit, and hematized surfaces	
26.10	26.52			5	light-dark grey	Silica Breccia running 10° to core axis	
						fragments of wallrock, some altered	
						fragments dark silica-fine-grained pyrite-(sphalerite) crosscut by late quartz-carbonate hairlines	
						broken downhole contact	
26.52	28.17			3	olive-grey	Feldspar-Porphyry - sheared/gouged/crackled - moderate clay-altered (but hard)	
						irregular stockwork (common at 35° to core axis) carbonate-quartz-chlorite-pyrite-hematite	
						downhole contact is fault gouge at 20° to core axis	
28.17	30.39			3	olive-grey	Fault/Vein Complex in moderate-altered Porphyry	
						structure commonly subparallel core axis, but also to 70°	
						gritty gouge 20% with disseminated pyrite	
						complex veins grey drusy quartz and pinkish carbonate + black quartz (very fine-grained sulphides)	
						blebs pyrite-(chalcopyrite-galena) and local bands sphalerite (local hematite)	



Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
30.39	32.35			3	black-grey	overall: veins 20% of section, increasing downhole; pyrite 3% sphalerite 1%, trace chalcopyrite- Banded Quartz-Carbonate-Sulphide Vein - multiphase/brecciated generally oriented 5° to core axis, but curving 0° to 40°, and perpendicular crosscutting veins later crosscutting/breccia-fill quartz and quartz-carbonate breccia in altered porphyry has sulphide matrix, later brecciated with quartz-carbonate matrix drusy quartz-carbonate stringers cut all previous veins vein is 70% of section coarse-grained band sphalerite with blebby galena, pyrite (local chalcopyrite) 1 to 2cm thick sphalerite varies from honey-colour to brown to blackjack					
32.35	41.33			4	olive-green	overall sphalerite 12%, pyrite 5%, galena 2% Feldspar-Porphyry - weak-moderate altered clay-chlorite-sericite, hematized giving grain at 45° to core disseminated pyrite and quartz-hematite-chlorite-pyrite stringers (pre-date quartz-carbonate- moderate-fractured 32.67 - 34.31m: series of banded quartz-carbonate-sulphide veins at 50° commonly 1cm thick, (6cm 32.95 - 33.50m) visible offset of veins (10cm) on 25° structure (detailed photo) pyrite>sphalerite as bands, chalcopyrite + galena as blebs/lenses (sulphides 25% of veins) hematite on margins, no silicification envelopes some black silica with very fine-grained sulphides (pyrite +sphalerite?) overall sphalerite 2%, pyrite 2%, galena 1%, chalcopyrite 0.5% 34.6 - 39.0m: stringers drusy quartz with carbonate fill, 20° contact uphole, 50° downhole contact 3mm to 2cm, 5 to 50cm spacing <1% chalcopyrite + galena, 1% pyrite on margins 35.20 - 35.50m: Lost Core					
41.33	44.81			4	brown-green	Feldspar-Porphyry - moderate-altered, mottled, crackled chlorite-hematite-epidote altered, with local silicification few stringers quartz-(chlorite-hematite) to 3mm weak-fractured, with hematized surfaces					
44.81						EOH					

Drillhole Number: M12-19										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	8.00	0.00	2.44	2.44									
8.00	17.00	2.44	5.18	2.74	2.47	90%	1.51	55%	20+				
17.00	27.00	5.18	8.23	3.05	2.92	96%	1.02	33%	20+				
27.00	37.00	8.23	11.28	3.05	2.90	95%	1.55	51%	20+				
37.00	47.00	11.28	14.33	3.05	2.86	94%	1.00	33%	20+				
47.00	57.00	14.33	17.37	3.05	2.78	91%	1.02	33%	20+				
57.00	67.00	17.37	20.42	3.05	2.87	94%	1.20	39%	20+				
67.00	77.00	20.42	23.47	3.05	2.99	98%	1.62	53%	20+				
77.00	87.00	23.47	26.52	3.05	2.70	89%	0.73	24%	20+				
87.00	97.00	26.52	29.57	3.05	3.10	102%	1.73	57%	20+				
97.00	107.00	29.57	32.61	3.05	3.00	98%	0.95	31%	20+				
107.00	117.00	32.61	35.66	3.05	2.74	90%	1.61	53%	20+				
117.00	127.00	35.66	38.71	3.05	2.80	92%	1.85	61%	14				
127.00	137.00	38.71	41.76	3.05	2.92	96%	1.60	52%	18				
137.00	147.00	41.76	44.81	3.05	3.01	99%	2.21	73%	20+				
			Total	44.81		95%		46%					

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<b>DDH No:</b>	<b>M12-19</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-19	21.16	21.55	0.39		<b>1-68625</b>		8	
M12-19	21.55	21.75	0.20		<b>1-68626</b>	vein	8	
M12-19	21.75	23.00	1.25		<b>1-68627</b>	stringers	9	
M12-19	25.40	26.10	0.70		<b>1-68628</b>	rubble	9	
M12-19	26.10	26.52	0.42		<b>1-68629</b>	breccia	9	
M12-19	26.52	27.36	0.84		<b>1-68630</b>	stringers	9	
M12-19	27.36	28.17	0.81		<b>1-68631</b>		9	
M12-19					<b>1-68632</b>	STANDARD FCM-6	9	
M12-19	28.17	29.00	0.83		<b>1-68633</b>	stringers/gouge	9	
M12-19	29.00	29.77	0.77		<b>1-68634</b>	stringers	10	
M12-19	29.77	30.39	0.62		<b>1-68635</b>		10	
M12-19	30.39	31.08	0.69		<b>1-68636</b>	breccia/hi sulphide vein	10	
M12-19	31.08	31.90	0.82		<b>1-68637</b>	hi-sulphide banded vein	10	
M12-19	31.90	32.35	0.45		<b>1-68638</b>	hi-sulphide banded vein	10	
M12-19	32.35	32.88	0.53		<b>1-68639</b>		11	
M12-19	32.88	33.48	0.60		<b>1-68640</b>	hi-sulphide veins	11	
M12-19	33.48	34.31	0.83		<b>1-68641</b>	stringers	11	
M12-19	33.48	34.31	0.83		<b>1-68642</b>	DUPLICATE	11	
M12-19	34.31	35.20	0.89		<b>1-68643</b>	stringers	11	
M12-19	35.50	36.27	0.77		<b>1-68644</b>		12	
M12-19								
M12-19								



<b>Company: Low Profile Ventures</b>					<b>Project: Miya</b>		<b>DDH Number: M12-20</b>			
					<b>NTS: 093E/11</b>					
<b>UTM:</b>	9U NAD83	<b>Length:</b> 63.09		<b>Collar Elev:</b>	1914.70	<b>Core Size:</b>	HQ	<b>Surveyed by:</b>	Tyhee	
<b>E:</b>	614639.90	<b>Azimuth:</b> 19		<b>Start Date:</b>	24-Sep-2012	<b>Contractor:</b>	Titan	<b>Units:</b>	Metres	
<b>N:</b>	5955971.20		<b>Dip:</b> -45	<b>End Date:</b>	25-Sep-2012	<b>Date Logged:</b>	5-Oct-2012	<b>Logged by:</b>	R Boyce	
Comments: Drilled from Pad "Q"										
Summary: Small, hi-sulphide veins in weak-altered wallrock, 22m to 27m depth										
<b>Metres</b>		<b>%</b>	<b>%</b>							
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>				
0.00	2.44					Overburden				
2.44	9.54			3	rusty green	Lapilli-Tuff - chaotic, deeply-weathered and limonitized				
						well-fractured to broken/rubbly, common fracture orientation 25° and 50° to core axis				
						moderate chlorite-altered, locally hard (silicified?)				
						bedding angle 40° to core axis near downhole end				
						gradational downhole contact				
9.54	11.78			4	green-brown	Lapilli-Tuff, lesser Ash Tuff - fragments subrounded to cusped, few fragments of porphyry; not				
						moderate-fractured, commonly at 40° to core axis				
						chlorite-hematite altered with limonitized surfaces and rinds, but hard (silicified?)				
						downhole contact sharp on alteration front at 35° to core axis				
11.78	14.04			2	green-maroon	Lapilli-Tuff, grading downhole to Ash Tuff, with change in colour, alteration, fracturing and hardness				
						crude banding varies from 20° to axis-parallel				
						chlorite-sericite-hematite alteration down to 12.77m, medium hard, green				
						12.77 - 24.04m: sericite-hematite alteration dominates, soft, maroon, sheared at 15° to core axis				
						downhole contact on minor fault at 50°				
14.04	20.11			4	maroon	Lapilli-Tuff - dominated by subangular fragments, locally evident particle alignment at 50° to core axis				
						alteration: hematite with weak chlorite; locally hard, with sericite-pyrite and silica overprint				
						chlorite envelopes on quartz-carbonate stringers at 55° to core axis, crosscutting bedding				
						weak-fractured				
						downhole contact gradational with alteration change				
20.11	25.06			4	green-grey	Lapilli Tuff - variable alteration/colour, generally harder and more chloritic than previous unit				
						chaotic, bedding absent				
						patchy chlorite, clay in fragments, hematite in matrix with cubic pyrite				
						few irregular quartz-carbonate stringers, locally with minor sphalerite-chalcopryite-galena				
						20.11 - 20.33m: olive-pink, soft, clay-(hematite) altered				
						20.33 - 20.37m: gritty clay gouge with abundant pyrite cubes				
						20.37 - 20.69m: sheeting at 55°: sphalerite bands 3%, bleb chalcopryite 1%, galena 0.5%				
						quartz-carbonate core; wallrock sections 40%				
						22.02 - 22.11m: Semi-Massive Sulphide-Quartz Vein 8cm wide at 50° to core axis				
						sphalerite 20%, chalcopryite 5%, galena 6%, pyrite 3%				
						several similar, discontinuous stringers (+ disseminated pyrite) for 10cm uphole and 20cm				
						22.54 - 23.43m: hematite-dominated alteration, maroon				
						24.10 - 24.32m: disseminated pyrite cubes 5%				
						24.42 - 24.95m: increasing silica (glassy) overprinting chlorite-hematite alteration				
						24.95 - 25.06m: bleached, sheared, soft				

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						downhole contact on fault at 25° to core axis					
25.06	25.43			1	green-grey	Fault: gritty clay gouge, part chloritic, at 45° to core axis					
25.43	25.66					Lost					
25.66	25.94			5	buff-black	Quartz-Carbonate-Sulphide Vein - multiphase/brecciated, banded at 40° to core axis					
						20% clay-silica altered wallrock					
						very fine-grained sulphides: sphalerite 7%, pyrite 5%, chalcopryite + galena trace					
						downhole contact on minor fault at 45° to core axis					
25.94	31.46			4	green-buff	Feldspar-Porphyry - crackled and mottled, with variable alteration					
						common chloritized phenocrysts and hematized matrix, but patchy					
						patchy sericite-clay-(pyrite) altn, especially with veins, and silicified overall					
						irregular quartz-carbonate stringers 1 - 10mm common, spaced 2 to 10cm					
						often enveloped with chlorite or hematite or pyrite					
						25.94 - 26.94m: strong stockwork (20% of interval): hi-sulphide stringers/fracture-fill, random, to 1cm					
						sphalerite 2%, pyrite 1%, galena trace					
						26.3 - 26.37m: Quartz Vein (carbonate margins) with rare spots galena + chalcopryite					
						70° to core axis, crosscuts sulphide stringers noted above					
						dark bronzy-silver mineral noted as very fine-grained wisps/dendrites in quartz - 1% of vein					
						locally appears acicular (arsenopyrite? possibly some is sphalerite?)					
						29.74 - 30.28m: fracture-fill partly subparallel core axis: bleb sphalerite 1%, pyrite 0.5%, galena 0.2%					
						30.39 - 30.68m: sheeting at 50°, quartz-carbonate-(hematite) with chlorite-pyrite section					
						central 8cm gouge					
31.46	38.55			4	brown-green	Feldspar-Porphyry, generally chloritized, with chlorite phenocrysts or pervasive, hematized matrix					
						locally siliceous					
						common stringers quartz-carbonate (+ hematite or chlorite) at 50° to 80° to core axis					
						weak-moderate fractured					
						downhole contact gradational with alteration change					
38.55	40.11			4	olive-tan	Bleached Feldspar-Porphyry with crosscutting multiphase stockwork					
						sericite-chlorite-hematite altered, with late silica alteration - strongest in centre of interval					
						10% stockwork: few early stringers black silica (very fine-grained sulphides?, hematite?) + some					
						later grey to milky quartz, minor carbonate (+chlorite or hematite)					
40.11	48.37			4	dark green	Feldspar-Porphyry - pervasive chlorite-altered, local epidote and minor hematite					
						hematite increasing 47.35 - 48.37m					
						few carbonate (+chlorite) stringers					
						moderate-fractured to broken in centre					
						downhole contact on carbonate-chlorite-epidote vein swarm over 10cm, at 75° to core axis					
48.37	52.90			4	maroon-green	Lapilli-Tuff, grades downhole to Ash Tuff (local Dust Tuff)					
						chlorite-epidote altered with patchy hematite (softer), and patchy silica overprint					
						fragments subrounded to subangular; bedding 60° to core axis					
						weak-fractured with broken section					
						few carbonate stringers with epidote envelopes					
						52.67 - 52.98m: strongly sericitized and sheared, at 75° to core axis					
						2cm gouge section is downhole contact					
52.90	63.09			4	medium green	Fine-grained Feldspar-Porphyry					

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						pervasive chlorite-altered (local epidote or hematite), silicified later					
						common carbonate or quartz-carbonate-pyrite-chlorite stringers/stockwork					
						52.90 - 54.55m: crackled/brecciated with matrix quartz-carbonate-chlorite-pyrite					
						weak-moderate fractured, but broken 62.0 - 62.8m					
63.09						EOH					

Drillhole Number: M12-20										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	8.00	0.00	2.44	2.44									
8.00	17.00	2.44	5.18	2.74	2.28	83%	0.20	7%	20+	crushed			
17.00	27.00	5.18	8.23	3.05	3.04	100%	0.46	15%	20+	crushed			
27.00	37.00	8.23	11.28	3.05	3.10	102%	1.91	63%	20+				
37.00	47.00	11.28	14.33	3.05	3.02	99%	1.64	54%	20+				
47.00	57.00	14.33	17.37	3.05	3.05	100%	2.43	80%	20+				
57.00	67.00	17.37	20.42	3.05	3.00	98%	2.31	76%	18				
67.00	77.00	20.42	23.47	3.05	3.01	99%	2.20	72%	20+				
77.00	87.00	23.47	26.52	3.05	2.80	92%	1.76	58%	20+	core loss			
87.00	97.00	26.52	29.57	3.05	3.02	99%	1.25	41%	20+				
97.00	107.00	29.57	32.61	3.05	3.01	99%	1.66	54%	20+				
107.00	117.00	32.61	35.66	3.05	3.04	100%	1.97	65%	20+				
117.00	127.00	35.66	38.71	3.05	3.03	99%	1.95	64%	20+				
127.00	137.00	38.71	41.76	3.05	2.99	98%	1.78	58%	20+				
137.00	147.00	41.76	44.81	3.05	3.07	101%	1.30	43%	20+				
147.00	157.00	44.81	47.85	3.05	2.99	98%	1.02	33%	20+				
157.00	167.00	47.85	50.90	3.05	3.00	98%	1.76	58%	20+				
167.00	177.00	50.90	53.95	3.05	3.02	99%	1.50	49%	20+				
177.00	187.00	53.95	57.00	3.05	2.96	97%	1.97	65%	20+				
187.00	197.00	57.00	60.05	3.05	3.05	100%	2.07	68%	20+				
197.00	207.00	60.05	63.09	3.05	2.97	97%	0.74	24%	20+				
			Total	63.09		98%		52%					



[illegible]

<b>DDH No:</b>	<b>M12-20</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-20	20.03	20.37	0.34		<b>1-68697</b>		6	
M12-20	20.37	20.74	0.37		<b>1-68698</b>	stringers	6	
M12-20	20.74	21.91	1.17		<b>1-68699</b>		6	
M12-20	21.91	22.14	0.23		<b>1-68700</b>	vein	7	
M12-20	22.14	22.52	0.38		<b>1-68701</b>		7	
M12-20	25.06	25.66	0.60		<b>1-68702</b>	gouge	8	
M12-20	25.66	25.94	0.28		<b>1-68703</b>	vein	8	
M12-20	25.94	26.30	0.36		<b>1-68704</b>	stringers	8	
M12-20	26.30	26.94	0.64		<b>1-68705</b>	stringers	8	
M12-20	26.94	27.35	0.41		<b>1-68706</b>		8	
M12-20	29.74	30.28	0.54		<b>1-68707</b>	stringers	9	
M12-20					<b>1-68708</b>	BLANK	9	
M12-20	30.28	30.76	0.48		<b>1-68709</b>	stringers	9	
M12-20								
M12-20								

<b>Company:</b> Low Profile Ventures				<b>Project:</b> Miya		<b>DDH Number:</b> M12-21			
				<b>NTS:</b>	093E/11				
<b>UTM:</b>	9U NAD83	<b>Length:</b>	41.76	<b>Collar Elev:</b>	1914.80	<b>Core Size:</b>	HQ	<b>Surveyed by:</b>	Tyhee
<b>E:</b>	614639.80	<b>Azimuth:</b>	19	<b>Start Date:</b>	25-Sep-2012	<b>Contractor:</b>	Titan	<b>Units:</b>	Metres
<b>N:</b>	5955970.40	<b>Dip:</b>	-64	<b>End Date:</b>	26-Sep-2012	<b>Date Logged:</b>	6-Oct-2012	<b>Logged by:</b>	R Boyce
Comments: Drilled from Pad "Q"									
Summary: Weak alteration allows only small veins, largest one 33.09 - 33.73m, at 20° to core axis; very small sulphide stringers over larger sections									
<b>Metres</b>		<b>%</b>	<b>%</b>						
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>			
0.00	2.44					Overburden			
2.44	9.30			3	orange-grey	Lapilli Tuff - deep-weathered, limonitized and broken, some rubbly sections and gouge at 30° to 50° to sericite-altered (difficult to see through limonite), with chlorite and hematite			
						few vuggy quartz stringers			
						5.18 - 5.62m: Feldspar-porphyry dyke, hard, weak chlorite-altered			
9.30	9.46					Lost			
9.46	15.72			4	maroon	Lapilli Tuff - angular to subrounded fragments (larger pieces rounded)			
						altered with chlorite-hematite-epidote, but still fairly hard			
						chaotic, with local crude bedding at 50° to core axis			
						few carbonate-(chlorite) stringers			
						weak-moderate fractured			
						11.20 - 11.98m: grades down into ash tuff/tuffaceous sandstone			
						downhole contact of ash on minor fracture at 65° to core axis			
						downhole contact of lapilli tuff broken			
15.72	33.09			4	medium green	Feldspar-Porphyry, usually fine-grained			
						weak-moderate chlorite-altered, with minor epidote, sericite and hematite			
						local increase in sericite/hematite, softer			
						weak-moderate fractured			
						few carbonate veins to 1cm, often at 15°, some en echelon, with chlorite-pyrite rims			
						15.72 - 16.0m: crackled with carbonate-fill, and broken			
						17.30m: 2cm drusy quartz-pink carbonate vein at 35° to core axis			
						17.30 - 33.09m: irregular quartz-chlorite-(pyrite-hematite-(galena)) stringers 1-6mm, 10cm spacing			
						29.0 - 29.22m: 9cm vein at 40° quartz-(carbonate)-pyrite-galena; galena is 3% over section			
						29.90 - 30.03m: 9cm quartz-sulphide vein with central 3cm gouge; 4% pyrite, 0.2% chalcopyrite			
						31.28 - 31.34m: 4cm stringers quartz-sphalerite-sphalerite-(galena)			
						downhole contact on vein at 20° to core axis			
33.09	33.73			5	dark-light grey	Quartz-Carbonate-Sulphide Vein, includes 25% brecciated, sericite-silicified wallrock			
						most of sulphides in uphole half of vein			
						sphalerite 4%, pyrite 6%, galena trace; some very fine-grained sulphides in dark quartz			
						downhole contact sharp at 20° with 1cm sericite envelope			
33.73	41.76			3	dark green	Fine-grained Feldspar-Porphyry			
						moderate chlorite-altered with minor epidote; local silicification near quartz-(chlorite-hematite)			
						common stringers 1mm - 2cm quartz-(carbonate-chlorite),			
						locally contains blebby sphalerite-(galena), especially 38.36 - 38.50m and 41.53 - 41.76m			
41.76						EOH			

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					



Drillhole Number: M12-21										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	8.00	0.00	2.44	2.44									
8.00	17.00	2.44	5.18	2.74	2.74	100%	0.85	31%	20+				
17.00	27.00	5.18	8.23	3.05	3.02	99%	2.06	68%	20+				
27.00	37.00	8.23	11.28	3.05	2.99	98%	1.83	60%	20+				
37.00	47.00	11.28	14.33	3.05	3.01	99%	1.86	61%	20+				
47.00	57.00	14.33	17.37	3.05	3.01	99%	1.02	33%	20+				
57.00	67.00	17.37	20.42	3.05	3.02	99%	1.49	49%	20+				
67.00	77.00	20.42	23.47	3.05	3.02	99%	2.02	66%	20+				
77.00	87.00	23.47	26.52	3.05	3.01	99%	1.88	62%	20+				
87.00	97.00	26.52	29.57	3.05	3.05	100%	1.56	51%	20+				
97.00	107.00	29.57	32.61	3.05	2.87	94%	1.52	50%	20+				
107.00	117.00	32.61	35.66	3.05	3.01	99%	1.46	48%	20+				
117.00	127.00	35.66	38.71	3.05	3.05	100%	2.38	78%	16				
127.00	137.00	38.71	41.76	3.05	2.83	93%	2.22	73%	16	core loss			
			Total	41.76		98%		56%					

<b>DDH No</b>	<b>M12-21</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			19	-63			
41.76	Downhole	Reflex Easy-shot	356.8	14.9	-63.2	5734	Y	

<b>DDH No:</b>	<b>M12-21</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-21	29.00	29.30	0.30		<b>1-68720</b>	stringers	9	
M12-21	29.30	29.82	0.52		<b>1-68721</b>		10	
M12-21	29.82	30.52	0.70		<b>1-68722</b>	stringers	10	
M12-21	30.52	31.36	0.84		<b>1-68723</b>	stringers	10	
M12-21	31.36	32.43	1.07		<b>1-68724</b>		10	
M12-21	32.43	33.07	0.64		<b>1-68725</b>		11	
M12-21	33.07	33.84	0.77		<b>1-68726</b>	vein	11	
M12-21	33.07	33.84	0.77		<b>1-68727</b>	DUPLICATE	11	
M12-21	33.84	34.50	0.66		<b>1-68728</b>		11	
M12-21	34.50	35.40	0.90		<b>1-68729</b>	stringers	11	
M12-21			0.00		<b>1-68730</b>	STANDARD FCM-6	11	
M12-21	41.38	41.76	0.38		<b>1-68731</b>	stringers	13	
M12-21								
M12-21								

Company:		Low Profile Ventures				Project:		Miya		DDH Number:		M12-22							
						NTS:		093E/11											
UTM:		9U NAD83		Length:		38.40		Collar Elev:		1930.80		Core Size:		HQ	Surveyed by:		Tyhee		
E:		614502.50		Azimuth:		360		Start Date:		26-Sep-2012		Contractor:		Titan		Units:		Metres	
N:		5955997.40		Dip:		-45		End Date:		27-Sep-2012		Date Logged:		28-Sep-2012		Logged by:		R Boyce	
Comments: Drilled from Pad "AW", targeting west extension of Miya Vein																			
Summary: Massive Quartz-Carbonate-Sulphide Vein 1.1m, followed downhole by 95cm stockwork, and 5m gouge - Miya Vein																			
Metres		% Rec	% RQD	Hard	Colour	Description													
From	To																		
0.00	2.44					Overburden													
2.44	8.04			4	grey-green	Lapill-Tuff/Agglomerate - rounded to angular fragments, unsorted, max 4cm, one section looks welded													
						well-fractured, limonitized rinds locally													
						chlorite-epidote-(hematite) alteration													
8.04	8.42			1	orange-buff	Clay Gouge - partly rusty, with altered wallrock fragments													
8.42	20.87			3	grey-green	Lapilli-Tuff - vaying texture to ash tuff and breccia													
						chlorite-clay alteration, increasing downhole													
						hematized sections, including 13.2 - 14.4m													
						moderate-fractured; gouge: 10.85 - 11.01m, 15.4 - 15.52m at 50°, 17.07 - 17.25m, 19.60 - 20.04m													
						limonitized 8.42 to 11.30m													
						few quartz-carbonate-hematite stringers													
20.87	21.87			5	pink-grey	Massive quartz-chalcedony-pink carbonate-sulphide Vein - <b>Miya Vein 20.87m to 22.93m</b>													
						blebby sulphides; sphalerite 7%, chalcopyrite 3%, galena 0.5%													
						uphole contact 35°, banding 45° to core axis, downhole contact broken													
21.87	21.98					Lost													
21.98	22.93			3	grey	Stockwork 15% in clay-altered wallrock, vuggy; similar style mineralization to previous vein													
						2% sphalerite, 2% galena, 0.5% pyrite, trace chalcopyrite													
22.93	27.71			2	pale grey	Clay Gouge and clay-altered, sheared rock with obscure texture													
						few quartz-carbonate-pyrite fragments (with chalcopyrite-sphalerite 22.93 - 24.5m)													
27.71	28.37					Lost													
28.37	29.16			2	pale grey	Intense Sericite-Clay-Altered Rock with obscured texture													
						few quartz-carbonate-sphalerite stringers													
29.16	38.40			3	tan-grey	Feldspar-Porphyry unit variably-altered: clay+-chlorite+-sericite(+hematite)													
						moderate-fractured, locally rubble; gouge 35.36 - 35.46m													
						few irregular quartz-chalcedony-carbonate stringers													
38.40						EOH													



Drillhole Number: M12-22										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	8.00	0.00	2.44	2.44									
8.00	16.00	2.44	4.88	2.44	1.93	79%	0.53	22%	20+				
16.00	26.00	4.88	7.92	3.05	2.92	96%	1.38	45%	20+				
26.00	36.00	7.92	10.97	3.05	2.80	92%	1.83	60%	20+				
36.00	46.00	10.97	14.02	3.05	2.98	98%	1.91	63%	20+				
46.00	56.00	14.02	17.07	3.05	2.91	95%	2.19	72%	20+				
56.00	66.00	17.07	20.12	3.05	2.70	89%	0.92	30%	20+				
66.00	76.00	20.12	23.16	3.05	2.94	96%	1.84	60%	20+				
76.00	86.00	23.16	26.21	3.05	2.80	92%	0.21	7%	20+				
86.00	96.00	26.21	29.26	3.05	2.40	79%	0.12	4%	20+				
96.00	106.00	29.26	32.31	3.05	2.59	85%	0.83	27%	20+				
106.00	116.00	32.31	35.36	3.05	2.55	84%	1.07	35%	20+				
116.00	126.00	35.36	38.40	3.05	2.78	91%	1.55	51%	20+				
			Total	38.40		90%		40%					

<b>DDH No</b>	<b>M12-22</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			360	-45			
38.40	Downhole	Reflex Easy-shot	350.9	9	-44.9	5761	Y	

<b>DDH No:</b>	<b>M12-22</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-22	20.12	20.87	0.75		<b>1-68645</b>		6	
M12-22	20.87	21.37	0.50		<b>1-68646</b>	vein - Miya Vein	6	
M12-22	21.37	21.87	0.50		<b>1-68647</b>	vein - Miya Vein	7	
M12-22					<b>1-68648</b>	BLANK	7	
M12-22	21.98	22.93	0.95		<b>1-68649</b>	stockwork - Miya Vein	7	
M12-22	22.93	23.70	0.77		<b>1-68650</b>	gouge	7	
M12-22	23.70	24.51	0.81		<b>1-68651</b>	gouge	7	
M12-22	24.51	25.16	0.65		<b>1-68652</b>	gouge	8	
M12-22	28.37	29.16	0.79		<b>1-68653</b>	gouge/altered	9	
M12-22								
M12-22								

<b>Company:</b> Low Profile Ventures		<b>Project:</b> Miya		<b>DDH Number:</b> M12-23			
				<b>NTS:</b> 093E/11			
<b>UTM:</b>	9U NAD83	<b>Length:</b>	53.95	<b>Collar Elev:</b>	1931.20	<b>Core Size:</b>	HQ
<b>E:</b>	614502.50	<b>Azimuth:</b>	360	<b>Start Date:</b>	27-Sep-2012	<b>Contractor:</b>	Titan
<b>N:</b>	5955996.30	<b>Dip:</b>	-62	<b>End Date:</b>	28-Sep-2012	<b>Date Logged:</b>	29-Sep-2012
Comments: Drilled from Pad "AW", targeting west extension of Miya Vein							
Summary: Weak veining quartz-carbonate-sulphides 41.6m to EOH; drilling parallel to fault/altered zone, with irregular veining 49.70m to EOH,							
<b>Metres</b>		<b>%</b>	<b>%</b>				
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>	
0.00	2.44					Overburden	
2.44	13.95			3	grey-green	Lapilli Tuff - variable texture, mostly unsorted, random fragments angular (rarely cusped) to larger rounded to 2cm local weak bedding/alignment 35° to 50° to core axis weak-moderate clay-sericite (+chlorite-hematite) altered - variable, to locally intense well-fractured, broken 2.44 - 1.1m, decreasing fracturing downhole; local sheared strongly-weathered, limonitized 2.44 - 11.28m 9.5 - 11.1m rubbly with some gouge gradational downhole contact due to alteration change	
13.85	24.08			4	dark grey-green	Lapilli Tuff - mottled alteration weak chlorite-(hematite) alteration, increasing sericite downhole weak alignment/fabric at 40° to 70° to core axis some sections very fine-grained, hard to see texture due to alteration downhole contact on minor structure at 35° to core axis	
24.08	37.53			4	dark green	Ash Tuff - variable to Lapilli Tuff and to very fine-grained, crackled weak alignment/bedding at 30° to core axis moderate chlorite alteration; weak-moderate fractured few carbonate stringers (+pyrite-hematite) 1 - 3mm 28.43 - 29.2m: hard porphyritic unit with hematized matrix 34.04 - 37.53m: patchy weak sericite-clay (+silica) alteration few quartz-carbonate (+chlorite-hematite) stringers 34.61 - 34.85m: intensely sericitized/sheared at 25° to core axis, with gougy section 37.21 - 37.36m: carbonate-quartz-chlorite vein 5cm thick, at 25° to core axis with blebby pyrite (3%)- galena (2%) + band of sphalerite (6%) intense chlorite alteration on downhole side - 4cm	
37.53	40.78			4	dark green	Feldspar-Porphyry - texture obscured, fabric at 60° to core axis weak-moderate chlorite alteration + local sericite few quartz-carbonate stringers gradational downhole contact	
40.78	44.70			4	pale green	Feldspar-Porphyry, massive to alteration fabric at 35° to core axis; locally looks disrupted (crystal weak sericite (+silica?) alteration and patches/bands chlorite few quartz-carbonate (+pyrite-sphalerite) stringers to 5mm; crosses fabric at 35° 41.6 - 41.76m: sheeting (40% of section) quartz-chalcedony-carbonate-(pyrite-sphalerite, trace	
44.70	49.70			3	olive-green	Feldspar-Porphyry (?) strongly-altered and weak-sheared at 20° - 60° to core axis (crackled?) sericite-chlorite-clay altered	



Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						weak-fractured at 25° and some gouge at 70° to core axis					
						common carbonate stringers/stockwork					
						45.21 - 46.7m: irregular stringers quartz-carbonate-(sphalerite-pyrite, trace galena-chalcopyrite)					
						47.55 - 49.70m: disrupted sections of axis-parallel quartz-carbonate-(sphalerite-pyrite) veins to 5cm					
						10% of rock; overall 2% sphalerite, 1% pyrite					
49.70	53.95			2	pale grey-green	Fault Zone - subparallel core axis					
						strong alteration sericite-chlorite-disseminated pyrite					
						including fragments quartz-sphalerite-pyrite-(chalcopyrite) veining					
						overall sphalerite 1%, pyrite 0.5%, chalcopyrite 0.2%					
53.95						EOH					

Drillhole Number: M12-23										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	8.00	0.00	2.44	2.44									
8.00	17.00	2.44	5.18	2.74	2.75	100%	0.61	22%	20+				
17.00	27.00	5.18	8.23	3.05	2.98	98%	0.99	32%	20+				
27.00	37.00	8.23	11.28	3.05	2.57	84%	1.11	36%	20+				
37.00	47.00	11.28	14.33	3.05	3.01	99%	2.70	89%	8				
47.00	57.00	14.33	17.37	3.05	3.00	98%	2.69	88%	15				
57.00	67.00	17.37	20.42	3.05	3.02	99%	2.77	91%	7				
67.00	77.00	20.42	23.47	3.05	3.01	99%	2.72	89%	6				
77.00	87.00	23.47	26.52	3.05	2.97	97%	1.07	35%	11				
87.00	97.00	26.52	29.57	3.05	3.03	99%	1.21	40%	20+				
97.00	107.00	29.57	32.61	3.05	2.91	95%	1.77	58%	20+				
107.00	117.00	32.61	35.66	3.05	2.90	95%	2.34	77%	16				
117.00	127.00	35.66	38.71	3.05	2.96	97%	2.84	93%	10				
127.00	137.00	38.71	41.76	3.05	2.85	94%	2.66	87%	14				
137.00	147.00	41.76	44.81	3.05	3.01	99%	2.69	88%	18				
147.00	157.00	44.81	47.85	3.05	3.04	100%	2.92	96%	18				
157.00	167.00	47.85	50.90	3.05	3.05	100%	1.80	59%	20+				
167.00	177.00	50.90	53.95	3.05	3.05	100%	0.00	0%	20+				
			Total	53.95		97%		64%					

<b>DDH No</b>	<b>M12-23</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			360	-62			
53.95	Downhole	Reflex Easy-shot	354.7	12.8	-61.8	5765	Y	

<b>DDH No:</b>	<b>M12-23</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-23	41.20	42.09	0.89		<b>1-68654</b>		13	
M12-23	44.81	45.27	0.46		<b>1-68655</b>		14	
M12-23	45.27	45.90	0.63		<b>1-68656</b>	stringers	14	
M12-23	45.90	46.72	0.82		<b>1-68657</b>	stringers	14	
M12-23	46.72	47.48	0.76		<b>1-68658</b>		15	
M12-23	47.48	47.85	0.37		<b>1-68659</b>	vein	15	
M12-23	47.85	48.80	0.95		<b>1-68660</b>	stringers	15	
M12-23					<b>1-68661</b>	STANDARD FCM-6	15	
M12-23	48.80	49.70	0.90		<b>1-68662</b>		15	
M12-23	49.70	50.75	1.05		<b>1-68663</b>	Gouge	16	
M12-23	50.75	51.78	1.03		<b>1-68664</b>	Gouge	16	
M12-23	50.75	51.78	1.03		<b>1-68665</b>	DUPLICATE	16	
M12-23	51.78	52.87	1.09		<b>1-68666</b>	Gouge	16	
M12-23	52.87	53.95	1.08		<b>1-68667</b>	Gouge		
M12-23								
M12-23								



<b>Company:</b> Low Profile Ventures			<b>Project:</b> Miya			<b>DDH Number:</b> M12-24			
					<b>NTS:</b> 093E/11				
<b>UTM:</b>	9U NAD83	<b>Length:</b>	67.67	<b>Collar Elev:</b>	1949.00	<b>Core Size:</b>	HQ	<b>Surveyed by:</b>	Tyhee
<b>E:</b>	614629.50	<b>Azimuth:</b>	-61	<b>Start Date:</b>	28-Sep-2012	<b>Contractor:</b>	Titan	<b>Units:</b>	Metres
<b>N:</b>	5956032.90	<b>Dip:</b>	193	<b>End Date:</b>	29-Sep-2012	<b>Date Logged:</b>	8-Oct-2012	<b>Logged by:</b>	R.Boyce
Comments: Drilling southerly from Pad "MM" to intersect vein swarm subparallel to M12-19. Hole possibly too short due to collar inaccurately placed.									
Summary: Encounter three small veins, all at low angle to core axis, and one bleached zone with weak sheeting									
<b>Metres</b>		<b>%</b>	<b>%</b>						
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>			
0.00	23.39			4	dark green	Intermediate Lapilli Tuff - fragments more commonly rounded, less commonly angular			
						fragments commonly up to 3cm, max 10cm			
						finer material approaches ash particle sizes 19.64 - 21.90m			
						alteration weak chlorite (pervasive), epidote (fragments & phenocrysts) and hematite (mostly matrix)			
						epidote decreases downhole to near-absent			
						weak-moderate fractured; minor limonitized fracture surfaces near collar			
						16.0 - 23.39m: scattered quartz-(carbonate) strs (some banded) to 5mm, spaced 30cm			
						5.14m: 2cm green clay gouge with carbonate vein at 30° to core axis			
						gradational downhole contact			
23.39	24.51			3	pale tan-green	Bleached Lapilli Tuff - sericite (+clay) altered with chloritized fragments			
						23.65 - 23.90m: oxidized vein-fault with yellow-grey gouge and black-brown oxidation			
						4cm vein at 20° to core axis: vuggy/drusy quartz, with internal rusty fractures; no sulphides seen			
24.51	33.73			4	dark green	Lapilli Tuff - rounded fragments more common than angular, max 4cm			
						ashy sections, no bedding seen			
						weak chlorite-(hematite) alteration, local epidote			
						porphyritic sections, relation to tuff unclear			
						very irregular stringers quartz-carbonate, some banded			
						32.20 - 33.20m: core-axis-parallel carbonate veins; dissolution of carbonate causes rubbly section			
						26.90 - 27.30m: bleached, gritty clay gouge 2cm thick, containing carbonate vein, 5° to core axis,			
						15cm of core lost in this section			
						hematite content increased in immediate wallrock			
						broken downhole contact			
33.73	37.36			4	dark green	Fine-grained Feldspar-Porphyry with brecciated/fragmental sections			
						weak chlorite alteration, with sericite as mosaic texture			
						irregular carbonate stringers - hairline to 2mm, with hematite envelopes			
37.36	38.75			4	pale green	Intermediate Feldspar-Porphyry - moderate sericite-chlorite altered, with patchy silica, minor			
						37.54 - 38.30m: Stockwork at 30° (uphole contact) to axis-parallel, wavy			
						early generation veins diffuse white quartz-chalcedony with hematite-chlorite margins			
						later generation veins (75%) drusy quartz, pinkish carbonate, fine-grained to cubic pyrite 1%			
						possibly other very fine-grained sulphides			
38.75	42.55			4	dark green	Feldspar-Porphyry - weak chloritized, hard			
						weak-moderate fractured, hematized surfaces when broken on carbonate stringers			
42.55	44.08			4	green-white	Stockwork subparallel core axis - 0° to 20° rolling - 40% of section			
						in weak sericite-chl-(hematite) altered, crackled porphyry			
						white to grey quartz with very fine-grained disseminated sulphide (pyrite?) + cubic pyrite			

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						discontinuous bands 1 - 2cm blebby pyrite-(sphalerite-galena)					
						overall pyrite 5%, galena 1%, sphalerite 0.5%					
						minor amount older-generation veins: quartz-chalcedony-hematite-chlorite					
						vein system fades out at downhole end					
44.08	51.88			4	dark grey-green	Fine-grained Feldspar-Porphyry - moderate to well-fractured, at high angles to core axis					
						weak chlorite-(epidote) alteration with increasing depth downhole					
51.88	57.65			4	pale grey-green	Feldspar-Porphyry - Bleached, with Sheeting parallel to contacts at 50° to core axis					
						pervasive sericite-clay with silica alteration, chlorite phenocrysts, and hematite phenocrysts or					
						Sheeting 1 - 6mm veins subparallel, 5cm spacing					
						off-white banded quartz, minor carbonate, with chlorite envelope					
						sharp contacts at 50° to core axis					
57.65	64.32			4	dark green	Feldspar-Porphyry - weak chlorite-(epidote) alteration with local hematite phenocrysts, stylolites and					
						few quartz-carbonate stringers at 50° to core axis					
						60.50 - 60.55m: pseudo-breccia appearance from alteration variation, with hematized "matrix"					
						strained fabric/banding of chlorite vs hematite alteration near downhole contact - 70° to core axis					
64.32	67.67			3	maroon-green	Ash Tuff - variable/patchy colour/alteration - commonly changed by layers but also crosscutting					
						dominant alteration is weak chlorite-hematite (hard) - dark green-brown					
						lesser sericite-(minor hematite) alteration - yellow-green, soft					
						hematite alteration (with minor to moderate sericite) brick red, medium-soft					
						small area of moderate clay alteration - soft, and buff colour					
						silica irregularly overprinted, especially with chlorite					
						bedding 70° to core axis, apparently fining uphole (inconclusive)					
						64.5 - 64.97m: brecciated porphyry					
						few quartz-carbonate stringers, with hematite or chlorite envelopes					
67.67						EOH					

Drillhole Number: M12-24										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	12.00	0.00	3.66	3.66	3.54	97%	2.70	74%	20+				
12.00	22.00	3.66	6.71	3.05	3.01	99%	2.11	69%	20+				
22.00	32.00	6.71	9.75	3.05	3.03	99%	2.53	83%	15				
32.00	42.00	9.75	12.80	3.05	2.86	94%	2.15	71%	17				
42.00	52.00	12.80	15.85	3.05	3.00	98%	2.64	87%	16				
52.00	62.00	15.85	18.90	3.05	3.04	100%	2.39	78%	19				
62.00	72.00	18.90	21.95	3.05	3.04	100%	2.87	94%	20+				
72.00	82.00	21.95	24.99	3.05	2.98	98%	2.33	76%	20+				
82.00	92.00	24.99	28.04	3.05	2.97	97%	1.48	49%	20+				
92.00	102.00	28.04	31.09	3.05	3.05	100%	2.16	71%	20+				
102.00	112.00	31.09	34.14	3.05	3.02	99%	1.10	36%	20+				
112.00	122.00	34.14	37.19	3.05	3.02	99%	1.92	63%	20+				
122.00	132.00	37.19	40.23	3.05	3.01	99%	2.07	68%	20+				
132.00	142.00	40.23	43.28	3.05	3.01	99%	1.04	34%	20+				
142.00	152.00	43.28	46.33	3.05	3.05	100%	1.43	47%	20+				
152.00	162.00	46.33	49.38	3.05	3.01	99%	1.44	47%	20+				
162.00	172.00	49.38	52.43	3.05	3.05	100%	0.95	31%	20+				
172.00	182.00	52.43	55.47	3.05	2.93	96%	1.20	39%	20+				
182.00	192.00	55.47	58.52	3.05	3.01	99%	1.14	37%	20+				
192.00	202.00	58.52	61.57	3.05	3.03	99%	1.67	55%	20+				
202.00	212.00	61.57	64.62	3.05	3.05	100%	2.37	78%	18				
212.00	222.00	64.62	67.67	3.05	3.05	100%	2.40	79%	20+				
			Total	67.67		99%		62%					

<b>DDH No</b>	<b>M12-24</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			193	-61			
67.67	Downhole	Reflex Easy-shot	175.3	193.4	-62.8	5765	Y	



<b>DDH No:</b>	<b>M12-24</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-24	23.13	23.56	0.43		<b>1-68740</b>		8	
M12-24	23.56	23.90	0.34		<b>1-68741</b>	vein	8	
M12-24	23.90	24.44	0.54		<b>1-68742</b>		8	
M12-24	37.23	37.54	0.31		<b>1-68743</b>		12	
M12-24					<b>1-68744</b>	STANDARD FCM-6	12	
M12-24	37.54	38.30	0.76		<b>1-68745</b>	vein	12	
M12-24	38.30	38.70	0.40		<b>1-68746</b>		12	
M12-24	42.10	42.55	0.45		<b>1-68747</b>		14	
M12-24	42.55	43.28	0.73		<b>1-68748</b>	vein	14	
M12-24	43.28	44.08	0.80		<b>1-68749</b>	vein	14	
M12-24	44.08	44.74	0.66		<b>1-68750</b>		14	
M12-24	51.88	52.65	0.77		<b>1-68751</b>		17	
M12-24								
M12-24								

<b>Company:</b> Low Profile Ventures			<b>Project:</b> Miya			<b>DDH Number:</b> M12-25			
					<b>NTS:</b> 093E/11				
<b>UTM:</b>	9U NAD83	<b>Length:</b>	62.48	<b>Collar Elev:</b>	1903.40	<b>Core Size:</b>	HQ	<b>Surveyed by:</b>	Tyhee
<b>E:</b>	614765.30	<b>Azimuth:</b>	19	<b>Start Date:</b>	29-Sep-2012	<b>Contractor:</b>	Titan	<b>Units:</b>	Metres
<b>N:</b>	5955957.10	<b>Dip:</b>	-45	<b>End Date:</b>	30-Sep-2012	<b>Date Logged:</b>	7-Oct-2012	<b>Logged by:</b>	R Boyce
Comments: Targeting Marmot Trench Zone									
Summary: Weak alteration limits veining to very small with weak galena, within 36.4 - 37.6m section									
<b>Metres</b>		<b>%</b>	<b>%</b>						
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>			
0.00	3.66					Overburden			
3.66	13.35			3	pink-grey	Lapilli Tuff/Ash Tuff/Dyke Complex (75%/10%/15%); pale pink, pale green, gray to locally purple			
						Tuffs contain angular to subrounded fragments, max 3cm			
						bedding locally evident at 40° to core axis, especially in ash tuff			
						alteration variable, weak to moderate sericite-(hematite+-chlorite+-pyrite)			
						Dykes 5 - 35cm are fine-grained feldspar-porphyry, some showing chill margin, some very irregular			
						alteration is sericite-clay (+-hematite), softer than tuffs, colour tan to purple			
						Moderate-fractured to broken at uphole end; >1m core lost 3.66 - 8.0m			
						limonitized/weathered downhole to 10.1m, up to 5cm rind, with pyrolusite dendrites			
						6.35 -6.54m: finely porphyritic dyke, irregular uphole contact, 65° downhole contact on minor gouge			
						6.73 - 6.86m and 8.46 - 8.52m: tan-orange clay gouge at 65° and 75° to core axis respectively			
						7.13 - 7.46m: fine-grained porphyritic dyke, uphole chill contact at 35°, downhole contact irregular			
						9.27 - 10.26m: Ash Tuff, showing weak fragment alignment at 55° to core axis			
						weak-hematized, pinkish, to purple downhole			
						10.26 - 10.43m: Dyke - tan to purple with chill margins uphole 35°, downhole 45° to core axis			
						10.43 - 10.75m: tan (pink) welded ash tuff - strong alignment/flattening of particles at 45° to core axis			
						12.78 - 12.99m: Dyke - crackled, with dark silica infill; contacts at 30° to core axis			
						9.70 - 13.35m: scattered stringers carbonate & quartz-carbonate 1 - 2mm wide			
						Downhole contact 40° to core axis on rusty minor fault			
13.35	14.01			4	dark grey	Intermediate flow rock: fine-grained porphyritic, 2cm chill margin and crackled on uphole contact			
						fairly fresh, weak chlorite alteration			
						amygdales round to stretched 1 - 5mm, concentrated near downhole end (tops down?)			
						weak-fractured			
14.01	15.46			3	light pink-olive	Crowded Lapilli Tuff with porphyritic fragments, possibly part is brecciated porphyry			
						moderate-sericitized with patchy hematite, pyrite near downhole end			
						few fractures			
						downhole contact sharp at 60° to core axis			
15.46	17.72			4	dark grey	Intermediate Flow Rock: fine-grained porphyritic; weak-moderate fracturing			
						weak chlorite alteration, to almost fresh			
						16.18 - 16.40m: wedge of brecciated porphyritic rock with sericite-silica alteration			
						sparse 1 - 4mm amygdales, concentrated near downhole end			
						chill margins on all 4 contacts, 8cm thick at downhole contact - rusty ground-up fault			
17.72	17.86			2	yellow-green	Intensely Sericitized Feldspar-Porphyry - soft and fissile			
						irregular, sharp downhole contact			
17.86	34.77			4	grey-green	Lapilli Tuff - angular to rounded fragments; sections of Ash Tuff: 29.53 - 29.73m, 34.46 - 34.77m			

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						chaotic, no bedding					
						alteration moderate-sericite with local chlorite-dominant, and weak hematite (few fragments clay-silica in matrix and patchy; silica and chlorite generally increase downhole vs decreasing sericite					
						weak-moderate fracturing; few small dykes					
						23.90 - 25.10m: weakly bleached - stronger silica overprinted on sericite					
						29.25 - 33.70m: diffuse brecciation with silicification					
						30.74 - 31.42m: stringers/stockwork quartz-(carbonate-pyrite-chlorite-hematite)					
						irregular, various orientation - one is vuggy, one shows trace sphalerite					
						downhole contact 40° on 1cm carbonate-chlorite vein					
34.77	36.30			4	pale green	Feldspar-Porphyry unit with sparse, chloritized phenocrysts to max 7mm; waxy appearance					
						downhole contact clay gouge at 75° to core axis					
36.30	41.21			5	grey-green	Lapilli Tuff - mottled; crowded fragments angular to rounded, few mm to 2cm, max 12cm					
						patchy sericite to chlorite-(hematite-pyrite) alteration, generally with silica overprint					
						matrix commonly pale grey					
						few discontinuous quartz-carbonate stringers					
						36.43 - 36.55m: quartz-sulphide vein at 35° to core axis					
						4% pyrite, 2% galena, one spot chalcopyrite, plus black quartz (probable very fine-grained pyrite)					
						37.23 - 37.56m: quartz vein at 30° to core axis with a few spots of pyrite-(galena)					
						uphole half brecciated with black quartz matrix, and 1cm band pyrite-galena,					
						overall pyrite 2%, galena 0.5%					
						37.56 - 38.10m: short hairlines and spots pyrite-galena-(sphalerite) - trace value					
41.21	45.24			4	dark grey	Massive Fine-grained Equigranular to Porphyritic Unit (Dyke?)					
						weak-fractured; few en-echelon and crosscutting carbonate stringers					
						44.48 - 44.80m: brecciated					
						contacts at 40° to core axis					
45.24	58.02			4	green-grey	Lapilli Tuff (Agglomerate?) fragments angular to rounded (larger fragments to 15cm)					
						Ashy 51.8 - 54.0m with few larger fragments - generally more chloritic					
						Alteration generally sericitized (+chlorite), locally weak hematite					
						patchy silica overprint especially with sericite					
						46.02 - 46.38m: 4 veins at 80° and breccia make 60% of interval, with strongly sericitized wallrock					
						light and dark quartz with 3% pyrite					
						47.90 - 47.96m: white quartz-(chlorite) and black quartz (with fine-grained pyrite) vein at 30° to core					
						rare blebs sphalerite-(galena)					
						47.96 - 48.42m: discontinuous fine stringers black quartz with cubic pyrite					
						52.88 - 52.93m and 53.08 - 53.12m: very fine-grained banded tuff with 50° bedding					
						55.83 - 55.85m: quartz + very fine-grained pyrite vein banded at 70° to core axis					
						55.85 - 58.02: carbonate stringers increasing downhole to sharp contact at 50° to core axis					
58.02	62.48			4	tan green	Brecciated Fine-Grained Porphyry Unit - with highly variable colour/alteration					
						moderate-fractured					
						rock generally hard (silicified?)					
						weak-moderate chlorite-sericite alteration with local weak hematite and patchy clay					
						local concentration quartz-(carbonate)-pyrite veins to 1cm, with sericite-clay envelopes					
						61.61m: 1cm vein white & dark quartz with disseminated pyrite and rare bleb sphalerite					

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
62.48						EOH					



Drillhole Number: M12-25										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	12.00	0.00	3.66	3.66									
12.00	15.00	3.66	4.57	0.91	0.52	57%	0.00	0%	20+				
15.00	25.00	4.57	7.62	3.05	2.67	88%	1.23	40%	20+				
25.00	35.00	7.62	10.67	3.05	2.96	97%	1.55	51%	20+				
35.00	45.00	10.67	13.72	3.05	3.05	100%	2.27	74%	20+				
45.00	55.00	13.72	16.76	3.05	3.00	98%	1.65	54%	20+				
55.00	65.00	16.76	19.81	3.05	3.07	101%	2.34	77%	18				
65.00	75.00	19.81	22.86	3.05	3.00	98%	1.96	64%	20+				
75.00	85.00	22.86	25.91	3.05	3.01	99%	2.08	68%	20+				
85.00	95.00	25.91	28.96	3.05	2.99	98%	2.04	67%	20+				
95.00	105.00	28.96	32.00	3.05	3.00	98%	2.14	70%	20+				
105.00	115.00	32.00	35.05	3.05	3.05	100%	1.12	37%	20+				
115.00	125.00	35.05	38.10	3.05	3.05	100%	2.15	71%	20+				
125.00	135.00	38.10	41.15	3.05	3.00	98%	1.61	53%	20+				
135.00	145.00	41.15	44.20	3.05	3.01	99%	1.90	62%	20+				
145.00	155.00	44.20	47.24	3.05	3.04	100%	2.01	66%	20+				
155.00	165.00	47.24	50.29	3.05	3.03	99%	2.35	77%	20+				
165.00	175.00	50.29	53.34	3.05	2.99	98%	1.79	59%	20+				
175.00	185.00	53.34	56.39	3.05	3.07	101%	1.84	60%	20+				
185.00	195.00	56.39	59.44	3.05	3.05	100%	2.00	66%	15				
195.00	205.00	59.44	62.48	3.05	2.98	98%	1.90	62%	20+				
			Total	62.48		96%		59%					

<b>DDH No</b>	<b>M12-25</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			19	-45			
62.48	Downhole	Reflex Easy-shot	359	17.1	-45.1	5791	Y	

<b>DDH No:</b>	<b>M12-25</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-25	35.75	36.30	0.55		<b>1-68732</b>		11	
M12-25	36.30	36.57	0.27		<b>1-68733</b>	vein	11	
M12-25	36.57	37.12	0.55		<b>1-68734</b>	stringers	11	
M12-25	37.12	37.56	0.44		<b>1-68735</b>	vein	11	
M12-25	37.56	38.10	0.54		<b>1-68736</b>	stringers	11	
M12-25	38.10	38.86	0.76		<b>1-68737</b>		11	
M12-25	47.73	48.42	0.69		<b>1-68738</b>	stringers	14	
M12-25					<b>1-68739</b>	BLANK	14	
M12-25								
M12-25								

Company:		Low Profile Ventures				Project:		Miya		DDH Number:		M12-26			
						NTS:		093E/11							
UTM:	9U NAD83		Length:		26.21		Collar Elev:	1904.80		Core Size:	HQ		Surveyed by:	Tyhee	
E:	614819.50		Azimuth:		230		Start Date:	1-Oct-2012		Contractor:	Titan		Units:	Metres	
N:	595596.08			Dip:	-45		End Date:	1-Oct-2012		Date Logged:	3-Oct-2012		Logged by:	R Boyce	
Comments: Targeting Marmot Trench Zone															
Summary: Banded vein/breccia at 18.07-18.43m with minor sulphides (Marmot Zone?), plus a few small stringers															
Metres		%	%												
From	To	Rec	RQD	Hard	Colour	Description									
0.00	3.66					Overburden									
3.66	8.32			4	brown-grey	Intermediate Lapilli Tuff - oxidized, broken to rubbly, pyrolusite on surfaces and as dendrites									
						clay-sericite altered, and limonitized rinds to 3cm or pervasive									
						most of section shows a silica overprint on alteration									
						few vuggy quartz (+ pyrite) stringers									
						downhole contact on gouge at 65° to core axis									
8.32	15.87			5	medium grey	Lapilli Tuff (Agglomerate) with rounded to subangular fragments (rarely cusped) to 5cm									
						local porphyritic sections									
						appears brecciated (hydrothermal) with medium to dark siliceous matrix, with disseminated pyrite									
						variable alteration sericite-clay (chlorite) with silica overprint									
						moderate fractured with limonitized surfaces; rubble 11.7 - 12.51m									
						pyrite disseminated throughout, concentrated in matrix, especially in late veinlets and fragment									
						rarely as blebs; overall from <1% to local 5%									
						cut by late quartz-carbonate stringers 9.0 - 11.3m									
						downhole contact sharp, rolling at 75° to core axis									
15.87	18.07			4	medium-pale grey	Feldspar-Porphyry - bleached; sericite-(chlorite)-clay altered, with silica overprint									
						well-fractured									
						multiphase, crosscutting quartz-carbonate stringers make up 5% of rock									
						16.20m: 2cm vein at 45°: drusy quartz-carbonate core, with									
						band sphalerite 4%, bleb pyrite 2%, spot chalcopyrite 0.5%, bleb galena 0.2%									
						16.20 - 16.64m: minor disseminated galena-sphalerite									
						17.21 - 17.50m: vein swarm at 60°: quartz-carbonate-(pyrite) makes up 30% of rock									
						downhole end: interleaved pink carbonate veins 2mm with sericitized wallrock									
						17.98m: 8mm vein at 50° - quartz-carbonate-bleb galena									
						downhole contact minor gouge at 75° to core axis									
18.07	18.43			5	light-dark grey	Diffuse Breccia/Banded Vein including 20% wallrock - <b>Marmot Zone?</b>									
						strongly silicified									
						blebby sphalerite 1%, chalcopyrite 3%, pyrite 0.5%, galena 0.2%, and very fine-grained sulphides in									
						downhole contact minor structure at 30° to core axis									
18.43	21.48			5	tan-grey	Lapilli Tuff (Agglomerate) - crackled and hydrobrecciated - multiphase silicification									
						sericite-(chlorite) + disseminated pyrite alteration									
						light to dark siliceous matrix, pyrite trace to 5%									
21.48	21.88					Lost									
21.88	22.40			1	green-grey	Fault Zone - gritty clay with disseminated pyrite, and altered, pyritic fragments									
						banding and downhole contact 70° to core axis									



Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
22.40	26.21			4	green-grey	Lapilli-Tuff/Tuff-Breccia - chaotic angular to rounded fragments, unsorted; with porphyritic sections					
						variably silicified - strongest in breccia matrix, overprint on sericite-chlorite-clay alteration					
						dark matrix is pyritic					
						late hairline stringers quartz-carbonate, rarely with sphalerite-(galena) - make up to 5% of rock					
						23.10 - 24.87m and 25.61 - 26.21m: disseminated pyrite 0.5%					
26.21						EOH					

Drillhole Number: M12-26										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	12.00	0.00	3.66	3.66									
12.00	16.00	3.66	4.88	1.22	0.68	56%	0.10	8%	20+				
16.00	26.00	4.88	7.92	3.05	2.88	94%	0.10	3%	20+				
26.00	36.00	7.92	10.97	3.05	2.77	91%	1.44	47%	20+				
36.00	46.00	10.97	14.02	3.05	3.05	100%	1.27	42%	20+				
46.00	56.00	14.02	17.07	3.05	3.01	99%	1.33	44%	20+				
56.00	66.00	17.07	20.12	3.05	2.97	97%	0.81	27%	20+				
66.00	76.00	20.12	23.16	3.05	2.56	84%	0.58	19%	20+				
76.00	86.00	23.16	26.21	3.05	3.05	100%	1.82	60%	20+				
			Total	26.21		90%		31%					

<b>DDH No</b>	<b>M12-26</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			230	-45			
26.21	Downhole	Reflex Easy-shot	209.3	227.4	-44.8	5687	Y	

<b>DDH No:</b>	<b>M12-26</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-26	12.82	13.82	1.00		<b>1-68668</b>	pyritic breccia	4	
M12-26	13.82	14.72	0.90		<b>1-68669</b>	pyritic breccia	4	
M12-26	14.72	15.48	0.76		<b>1-68670</b>	pyritic breccia	4	
M12-26	15.48	16.13	0.65		<b>1-68671</b>		5	
M12-26	16.13	16.64	0.51		<b>1-68672</b>	disseminated sulphides	5	
<b>M12-26</b>					<b>1-68673</b>	<b>BLANK</b>	5	
M12-26	16.64	17.50	0.86		<b>1-68674</b>		5	
M12-26	17.50	18.07	0.57		<b>1-68675</b>		5	
M12-26	18.07	18.43	0.36		<b>1-68676</b>	vein - Marmot zone?	6	
M12-26	18.43	19.08	0.65		<b>1-68677</b>		6	
M12-26	19.08	19.97	0.89		<b>1-68678</b>	stringers	6	
M12-26	23.16	24.00	0.84		<b>1-68679</b>	disseminated pyrite	7	
M12-26	24.00	24.87	0.87		<b>1-68680</b>	disseminated pyrite	7	
M12-26	24.87	25.63	0.76		<b>1-68681</b>		8	
M12-26	25.63	26.21	0.58		<b>1-68682</b>	disseminated pyrite	8	
M12-26								
M12-26								



Company:		Low Profile Ventures				Project:		Miya		DDH Number:		M12-27			
						NTS:		093E/11							
UTM:	9U NAD83		Length:		38.40		Collar Elev:	1904.30		Core Size:	HQ		Surveyed by:	Tyhee	
E:	614819.80		Azimuth:		230		Start Date:	1-Oct-2012		Contractor:	Titan		Units:	Metres	
N:	5955961.30			Dip:	-60		End Date:	1-Oct-2012		Date Logged:	4-Oct-2012		Logged by:	R Boyce	
Comments: Targeting Marmot Trench Zone															
Summary: Hi-sulphide vein 19.70 - 20.12m and 20.65 - 20.76m (Marmot Zone?), with a few stringers 23.86 - 24.33m.															
Metres		%	%												
From	To	Rec	RQD	Hard	Colour	Description									
0.00	3.66					Overburden									
3.66	9.86			4	brown-grey	Lapilli-Tuff/Agglomerate - some large porphyritic fragments; locally modified by silica-pyrite matrix									
						limonitized surfaces and rind to 1cm									
						alteration variable - sericite-(chlorite-clay), with silica overprint									
						downhole contact on fault at 40° to core axis									
9.86	10.23			2	medium grey	Fault: medium-dark grey gouge with pale green altered fragments; pyrite disseminated throughout									
10.23	19.70			4	medium green-grey	Lapilli-Tuff - shows some evidence of hydrobrecciation, especially 11.42 - 11.70m and 17.07 - 17.60m									
						matrix pyritic (2%), not as strongly siliceous as in DDH M12-26									
						alteration varies, moderate sericitized, some chlorite; some fragments clay or hematite-altered									
						well-fractured to broken									
						10.97 - 11.06m: fault at 70° to core axis, dark clay gouge									
						12.80 - 13.67m: rubbly									
						downhole contact broken									
19.70	20.12			5	black-tan	Quartz-Sulphide Vein, broken, and banded 65° to core axis; 30% clay-altered wallrock fragments									
						uphole-end 12cm is mostly banded/brecciated quartz, with trace bleb chalcopyrite-galena and spot									
						19.92 - 20.12m: bands semi-massive sphalerite-pyrite with blebs chalcopyrite-galena									
						sphalerite 10%, pyrite 7%, chalcopyrite 4%, galena 3%									
						downhole contact on minor gouge at 65° to core axis									
20.12	20.65			4	pale green	Feldspar-Porphyry - moderate clay-altered, chloritized phenocrysts to 8mm									
						few quartz-carbonate-(pyrite) stringers									
						downhole contact on vein at 60° to core axis									
20.65	20.76			4	black-olive	Quartz-Sulphide Vein - banded, with 25% altered wallrock									
						semi-massive sphalerite 16%, blebs chalcopyrite 6%, pyrite 5%, galena 5%									
						broken downhole contact									
20.76	23.03			5	light-dark grey	Lapilli-Tuff, modified by silica breccia with 3% disseminated pyrite									
						well-fractured to broken									
						cut by diffuse quartz (+carbonate-chalcedony) veins, especially 21.67 -21.76m									
						22.17 - 22.60m short, irregular stringers pyrite-(sphalerite-galena)									
23.03	23.86			4	black-grey	Fine-grained Tuffaceous Rock - texture obscured by intense alteration									
						intense clay (minor sericite-chlorite) with siliceous overprint, appearance chalky to glassy									
						irregular crosscutting quartz-carbonate stringers (10% of interval) with minor pyrite, rare galena-									
						well-fractured to broken									
						downhole contact on 2cm gouge at 65 degrees to core axis									
23.86	24.33			4	green-grey	Stockwork Zone in altered, broken tuff unit									
						sericite-silica altered; rubbly sections or broken									

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						discontinuous stringers/veins/blowouts quartz(carbonate) making up 25% of section					
						common pyrite 2%, galena 1%, sphalerite 0.5% in bands/blebs					
						downhole contact at 70% on veins					
24.33	36.82			5	grey-green	Lapilli-Tuff/Agglomerate dominated by rounded fragments to 10cm; local angular fragments or ashy					
						weak-moderate sericite-clay (+chlorite) alteration, overprinted with silica					
						weak fractured					
						common 1-5mm quartz-carbonate stringers random					
						26.38 - 26.99m: stockwork 30% with 4cm vein at uphole end, 8cm vein at downhole end at 35° to					
						quartz-carbonate-(pyrite(galena-sphalerite)); overall 3% pyrite, 0.2% galena+sphalerite					
						33.73 - 33.94m: 9cm vein banded, drusy quartz, pink carbonate; part chalcedony; 25° to core axis					
						36.38 - 36.72m: tan-green, brecciated, sericitized, silicified, broken section					
						36.72 - 36.82m: quartz-(chlorite) vein at 40° to core axis, with bands/blebs galena+sphalerite 3%					
						downhole contact on vein at 40° to core axis					
36.82	38.40			5	dark grey	Bedded Tuffaceous Sandstone/Siltstone, disrupted, with a few pale ashy beds					
						dips 20° to 70°, commonly 35° to core axis					
						strongly siliceous, disseminated fine-grained pyrite					
						few quartz-carbonate stringers					
38.40						EOH					

Drillhole Number: M12-27										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	12.00	0.00	3.66	3.66									
12.00	16.00	3.66	4.88	1.22	1.13	93%	0.32	26%	20+				
16.00	26.00	4.88	7.92	3.05	2.52	83%	0.13	4%	20+				
26.00	36.00	7.92	10.97	3.05	2.99	98%	1.33	44%	20+				
36.00	46.00	10.97	14.02	3.05	2.83	93%	0.54	18%	20+				
46.00	56.00	14.02	17.07	3.05	3.01	99%	1.88	62%	20+				
56.00	66.00	17.07	20.12	3.05	2.93	96%	1.14	37%	20+				
66.00	76.00	20.12	23.16	3.05	2.97	97%	0.98	32%	20+				
76.00	86.00	23.16	26.21	3.05	2.87	94%	1.13	37%	20+				
86.00	96.00	26.21	29.26	3.05	3.01	99%	1.89	62%	20+				
96.00	106.00	29.26	32.31	3.05	2.89	95%	1.87	61%	20+				
106.00	116.00	32.31	35.36	3.05	3.01	99%	1.35	44%	20+				
116.00	126.00	35.36	38.40	3.05	3.03	99%	1.29	42%	20+				
			Total	38.40		95%		39%					

<b>DDH No</b>	<b>M12-27</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			230	-60			
	Downhole	Reflex Easy-shot	209.2	227.3	-59.8	5711	Y	

<b>DDH No:</b>	<b>M12-27</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-27	19.10	19.70	0.60		<b>1-68683</b>		6	
M12-27					<b>1-68684</b>	STANDARD FCM-6	6	
M12-27	19.70	20.12	0.42		<b>1-68685</b>	vein - Marmot Zone?	6	
M12-27	20.12	20.65	0.53		<b>1-68686</b>		6	
M12-27	20.65	21.03	0.38		<b>1-68687</b>	vein - Marmot Zone?	6	
M12-27	21.03	22.02	0.99		<b>1-68688</b>		7	
M12-27	22.02	23.03	1.01		<b>1-68689</b>	stringers	7	
M12-27	23.03	23.86	0.83		<b>1-68690</b>		7	
M12-27	23.86	24.33	0.47		<b>1-68691</b>	stringers	8	
M12-27	24.33	25.35	1.02		<b>1-68692</b>		8	
M12-27	25.35	26.38	1.03		<b>1-68693</b>		8	
M12-27	26.38	26.99	0.61		<b>1-68694</b>	stringers	8	
M12-27					<b>1-68695</b>	BLANK	9	
M12-27	26.99	27.58	0.59		<b>1-68696</b>		9	
M12-27								
M12-27								
M12-27								



Company:		Low Profile Ventures				Project:		Miya		DDH Number:		M12-28						
						NTS:		093E/11										
UTM:	9U NAD83		Length:		63.09		Collar Elev:		1910.90		Core Size:		HQ		Surveyed by:		Tyhee	
E:	614778.40		Azimuth:		205		Start Date:		3-Oct-2012		Contractor:		Titan		Units:		Metres	
N:	5955991.40			Dip:	-70		End Date:		4-Oct-2012		Date Logged:		6-Oct-2012		Logged by:		R Boyce	
Comments: Targeting Marmot Trench Zone																		
Summary: Large altered sections. Stockwork 33.78 - 34.17m with minor sulphides, plus numerous small stringers																		
		%	%															
From	To	Rec	RQD	Hard	Colour	Description												
0.00	2.44					Overburden												
2.44	28.51			4	green-grey	Lapilli Tuff; some occurs as Ash Tuff, with few lapilli												
						weak-moderate sericite-altered, with minor, patchy chlorite, clay, or hematite; with silica overprint												
						minor disseminated pyrite												
						moderate-fractured, with limonitized rinds 2.44 - 12.3m, limonitized surface throughout												
						gougy sections 11.28 - 11.45m, 12.2 - 12.5m												
						20.5 - 23.3m: irregular stringers quartz-hematite-pyrite-(chlorite) with minor disseminated pyrite												
						also crackle-brecciation with silica-carbonate-pyrite infill												
						downhole contact on minor fracture at 40° to core axis												
28.31	30.25			4	tan-grey	Feldspar-Porphyry - mottled, few fractures												
						alteration sericite-(chlorite-hematite) with patchy silica overprint; locally hematite rims on												
						few irregular quartz-chlorite-(hematite) stringers with pyrite in envelopes												
						30.00 - 30.25m: quartz-pyrite stockwork makes up 25% of section												
						downhole contact vague in area of stockwork												
30.25	34.39			4	pale green	Ash Tuff, with few large fragments to 2cm												
						fragments commonly subrounded, some sections contain angular fragments												
						moderate sericitized, lesser chlorite in fragments, silica overprint												
						moderate-fractured, limonitized surfaces												
						30.25 - 30.62m: irregular quartz (+pyrite-chlorite) stringers 30% of section, with disseminated pyrite												
						30.62 - 33.78m: irregular, discontinuous stringers 1 - 5mm, spaced 10cm: quartz-sphalerite-(galena)												
						rare pink carbonate banded with quartz												
						33.78 - 34.17m: stockwork commonly at 50° to core axis:												
						quartz (locally drusy) -carbonate core, with rims sphalerite (1%) -galena (0.2%) - chalcopyrite												
						34.17 - 34.39m: 60% quartz stockwork, with minor sphalerite stringers external to quartz												
						downhole contact on minor fault gouge at 30° to core axis												
34.39	35.95			3	olive-green	Feldspar-Porphyry Dyke - sparse chloritized phenocrysts to 1cm												
						round quartz eyes suggest felsic lithology; very fine-grained matrix siliceous and tan-green												
						downhole contact chill margin @ 30° to core axis												
35.95	44.90			5	pale tan-green	Lapilli-Tuff - mainly angular to cusped fragments; larger fragments commonly porphyritic and rounded												
						chaotic - no bedding												
						brecciated with pale grey siliceous matrix, making diffuse fragment boundaries												
						fragments sericite-chlorite altered (minor hematite), usually with silica overprint												
						weak-moderate fractured												
						few irregular milky quartz-(carbonate) stringers												
						33.95 - 36.33m: irregular, discontinuous 1 - 3mm quartz-sphalerite stringers - 0.2% sphalerite												

		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						41.28m and 41.76m: 1cm vein quartz-very fine-grained pyrite					
						gradational downhole contact					
44.90	49.82			4	buff-grey	Lapilli-Tuff (max fragment 8cm), grades downhole to well-sorted, fine, unbedded ash tuff (or volcanic					
						generally bleached - clay-altered, patchy silicification; minor chlorite, hematite, pyrite, with sericitized					
						few quartz-carbonate or quartz-pyrite stringers					
						gradational downhole contact					
49.82	55.28			4	dark grey-green	Ash Tuff with a few larger particles (possibly volcanic sandstone)					
						rare bedding at 45° to core axis					
						weak-moderate fractured					
						weak-altered: chlorite and patchy sericite-pyrite					
						fine stockwork/stringers quartz-chlorite					
						55.05m: 2cm quartz-carbonate banded vein with very fine-grained pyrite, at 20° to core axis					
						55.20 - 55.28m: crackled with silica-carbonate infill					
						downhole contact sharp, irregular on chill margin, about 30° to core axis					
55.28	63.09			4	light-dark grey	Ash Tuff, fine-grained, angular fragments; sections with a few larger angular fragments					
						variable alteration; pale sections moderate clay-altered					
						darker sections weak chlorite (+hematite), and patchy silicification					
						local bedding 35° in uphole part, 50° in downhole part					
						few banded quartz-carbonate stringers					
						55.28 - 55.36m: gradational chill margin is banded pale grey-buff-olive-brown-dark grey					
						texture appears as crystal tuff with aligned crystals					
63.09						EOH					

Drillhole Number: M12-28										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	8.00	0.00	2.44	2.44									
8.00	17.00	2.44	5.18	2.74	2.72	99%	0.32	12%	20+				
17.00	27.00	5.18	8.23	3.05	3.01	99%	1.92	63%	20+				
27.00	37.00	8.23	11.28	3.05	3.04	100%	1.86	61%	20+				
37.00	47.00	11.28	14.33	3.05	3.01	99%	1.20	39%	20+				
47.00	57.00	14.33	17.37	3.05	3.07	101%	2.55	84%	15				
57.00	67.00	17.37	20.42	3.05	3.07	101%	2.11	69%	20+				
67.00	77.00	20.42	23.47	3.05	3.00	98%	0.58	19%	20+				
77.00	87.00	23.47	26.52	3.05	3.03	99%	1.88	62%	20+				
87.00	97.00	26.52	29.57	3.05	3.07	101%	1.95	64%	20+				
97.00	107.00	29.57	32.61	3.05	3.01	99%	1.10	36%	20+				
107.00	117.00	32.61	35.66	3.05	2.97	97%	1.54	51%	20+				
117.00	127.00	35.66	38.71	3.05	3.00	98%	1.95	64%	20+				
127.00	137.00	38.71	41.76	3.05	3.01	99%	1.48	49%	20+				
137.00	147.00	41.76	44.81	3.05	3.04	100%	2.17	71%	20+				
147.00	157.00	44.81	47.85	3.05	3.00	98%	1.77	58%	20+				
157.00	167.00	47.85	50.90	3.05	3.05	100%	1.49	49%	20+				
167.00	177.00	50.90	53.95	3.05	2.99	98%	1.60	52%	20+				
177.00	187.00	53.95	57.00	3.05	3.05	100%	1.41	46%	20+				
187.00	197.00	57.00	60.05	3.05	2.99	98%	0.67	22%	20+				
197.00	207.00	60.05	63.09	3.05	2.74	90%	1.33	44%	20+				
			Total	63.09		99%		51%					

<b>DDH No</b>	<b>M12-28</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			205	-70			
63.09	Downhole	Reflex Easy-shot	190.8	208.9	-69.4	5912	?	
					mag field is a bit high			

<b>DDH No:</b>	<b>M12-28</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-28	29.97	30.62	0.65		<b>1-68710</b>		9	
M12-28	30.62	31.60	0.98		<b>1-68711</b>	stringers	10	
M12-28	31.60	32.87	1.27		<b>1-68712</b>		10	
M12-28	32.87	33.74	0.87		<b>1-68713</b>	stringers	10	
M12-28	33.74	34.17	0.43		<b>1-68714</b>	vein	11	
M12-28	33.74	34.17	0.43		<b>1-68715</b>	DUPLICATE	11	
M12-28	34.17	34.52	0.35		<b>1-68716</b>	stringers	11	
M12-28	34.52	34.94	0.42		<b>1-68717</b>		11	
M12-28					<b>1-68718</b>	STANDARD FCM-6	11	
M12-28	35.90	36.47	0.57		<b>1-68719</b>		12	
M12-28								
M12-28								



<b>Company:</b> Low Profile Ventures		<b>Project:</b> Miya		<b>DDH Number:</b> M12-29			
				<b>NTS:</b> 093E/11			
<b>UTM:</b>	9U NAD83	<b>Length:</b>	105.46	<b>Collar Elev:</b>	1935.50	<b>Core Size:</b>	HQ
<b>E:</b>	614502.70	<b>Azimuth:</b>	180	<b>Start Date:</b>	6-Oct-2012	<b>Contractor:</b>	Titan
<b>N:</b>	5956051.50	<b>Dip:</b>	-70	<b>End Date:</b>	7-Oct-2012	<b>Date Logged:</b>	9-Oct-2012
Comments: Drilling southerly from Pad "AN", to probe below M12-23 intercept							
Summary: 6m section (81.16 - 86.04m) of alteration, brecciation and gouge contains two small, low-sulphide veins and numerous tiny stringers							
<b>Metres</b>		<b>%</b>	<b>%</b>				
<b>From</b>	<b>To</b>	<b>Rec</b>	<b>RQD</b>	<b>Hard</b>	<b>Colour</b>	<b>Description</b>	
0.00	1.22					Overburden	
1.22	4.62			4	rusty brown	Fine-grained Feldspar-Porphyry flow(?) with strained/sheared fabric at 45° to core axis	
						totally rusty rubble, with some gouge, deeply weathered	
						pieces are weakly chloritized, but hard	
4.62	13.65			5	medium green	Fine-grained Feldspar-Porphyry, with strained/sheared fabric at 40° to core axis	
						weak chlorite-(epidote) altered with silica overprint (hard)	
						well-fractured, commonly at 40° (crosscutting fabric)	
						few limonitized surfaces (hematized downhole)	
13.65	17.88			5	medium green	Fine-grained Feldspar-Porphyry - rubble	
						carbonate hairline veinlets common - form fracture surfaces, crosscut fabric	
						local hematized surfaces	
17.88	21.39			5	dark green	Fine-grained Feldspar-Porphyry with fabric at 60° to core axis; well-fractured to broken	
						chlorite-altered, epidote absent, minor hematite content	
						common carbonate hairline veinlets leading to fractures	
						20.50 - 21.39m: gradational increase downhole of hematite and sericite, and decrease of silica	
						brown, fracture-parallel fabric at 70° to core axis	
21.39	21.88			2	buff	Fine-grained Feldspar-Porphyry - bleached and broken	
						strong sericite (clay-hematite) alteration	
						irregular 3mm quartz stringers	
						21.75 - 21.88m: gouge	
21.88	22.26					Lost	
22.26	23.82			3	maroon	Feldspar-Porphyry, same texture as previous interval, fabric at 75° tca, broken	
						alteration hematite-(sericite) with patchy silica; very soft to medium-hard	
						23.70 - 23.82m: orange-purple clay gouge	
23.82	24.50					Lost	
24.50	30.30			4	maroon-pink	Fine-grained Feldspar-Porphyry - with strain fabric at 65° to core axis	
						variable alteration produces variable colour and hardness	
						changes downhole from maroon to pink, pale green to purple	
						variable content of hematite, weak-moderate sericite, and minor chlorite; local silicification	
						weak-fractured with some limonitized rinds <1cm	
						downhole contact gradational	
30.30	35.56			4	pale grey-green	Fine-grained Feldspar-Porphyry - weak chloritization highlights phenocrysts and fabric planes	
						fabric appears in different orientations - appears to be movement on small structures	
						few carbonate veinlets, some rubbly sections	
						downhole contact on gouge at 60° to core axis	

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
35.56	36.80			2	light grey	Rubble and gouge - 10cm core lost; 35.45 - 35.52m: gouge at 45° to core axis					
36.80	53.58			4	light grey-green	Fine-grained Feldspar-Porphyry - with strain fabric at 60° to core axis					
						weak-fractured					
						slight darkening and increasing chlorite downhole, as well as carbonate (or quartz-carbonate)					
						47.64 - 53.58m: weak, patchy sericite alteration					
						moderate-fractured, commonly broken with carbonate stringers					
53.58	69.31			4	olive-green	Fine-grained Feldspar-Porphyry - with fabric at 30° - 40° to core axis					
						variable alteration/colour					
						weak sericite alteration with moderate zones, chlorite absent to moderate in phenocrysts and					
						hematite pervasive and in phenocrysts: red to maroon					
						silica overprint, stronger near breccia zones					
						irregular carbonate or quartz-carbonate stringers 1-4mm wide, 20 cm spacing					
						breccia zones with quartz-carbonate matrix: 54.0 - 54.9m, 62.25 - 62.69m, 65.48 - 65.62m					
						61.42 - 61.77m: 9cm breccia zone at 15° to core axis					
						59.74 - 62.25m: moderate sericitized (+silica+hematite)					
						63.94 - 68.42m: stronger hematite alteration: brick to maroon colour					
						moderate-fractured and variable; rubbly to one piece 88cm long					
69.31	79.36			3	olive-green	Fine-grained Feldspar-Porphyry - softer than previous, sections sheared/gouged					
						alteration weak sericite, with patchy chlorite highlighting fabric with banding; patchy hematite					
						silica overprint very local					
						shearing common, at 15° to 50° to core axis					
						carbonate/quartz stringers irregular/short, and as fracture-fill in sheared areas					
						70.81 - 70.92m: fault gouge with clay					
						72.69 - 73.06m: intense sericite-(chlorite-hematite) alteration and sheared at 35°					
						75.87 - 78.27m: intense sericite-(chlorite-hematite) alteration and sheared at various angles					
						77.15 - 77.27m: fault gouge at 35° - associated grey quartz-carbonate stringers					
						77.27 - 78.03m: shearing subparallel core - associated short quartz vein sections and small silicified					
79.36	81.76			4	buff-grey	Fine-grained Feldspar-Porphyry - sheared and brecciated; sections appear fragmental with rounded					
						broken, rubbly, gouged, with hard pieces					
						moderate clay-altered, with local silica overprint; chalky to glassy appearance					
						some fragments of breccia show black prismatic crystallites					
						81.16 - 81.76m: strongly silicified with stringers 1-2mm quartz-pyrite-galena-sphalerite,					
						also disseminated sulphides in silicified matrix; total sulphides <1%					
81.76	82.03			5	black-white	Quartz-(Carbonate)-Sulphide Vein - 13cm at 30° to core axis (axis-parallel in central part)					
						massive grey quartz, minor pinkish carbonate					
						1cm bands sphalerite-(pyrite) and spots in quartz of chalcopyrite-galena					
						2% sphalerite, 1% pyrite, 0.2% galena, 0.2% chalcopyrite					
						downhole contact at 30° on minor gouge section					
82.03	84.21			5	green-grey	Breccia with angular (to rounded) fragments of altered olive-green to grey porphyry					
						buff fine-grained siliceous matrix, with some re-brecciation					
						cut by very irregular quartz-pink carbonate stringers up to 4mm					
						apparently later veining (few crosscutting relations seen) irregular, short stringers quartz-pyrite-					
						fewer of late veining below 83.34m, with more pinkish, earlier variety					

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						downhole contact at 20° to core axis					
84.21	84.36			5	brassy-white	Massive Quartz Vein with minor pink carbonate, blebby pyrite 5%, and trace chalcopyrite, galena and					
						broken downhole contact					
84.36	84.63			4	medium grey	Breccia/Stringers as in 82.03 - 84.21m: 1% pyrite, trace galena+sphalerite					
						downhole contact 40° to core axis					
84.63	85.64			2	dark green-grey	Gritty Clay Gouge - various colours dark grey to pale green to pinkish					
						orientation 35° at contacts, to 75° central					
85.64	85.79					Lost					
85.79	86.04			5	buff-grey	Stongly silicified Breccia, as previous, with quartz-carbonate stringers					
						very broken, with some gouge					
86.04	87.17			4	brick red	Ash Tuff, weakly bedded at 65° to core axis; subangular to subrounded fragments					
						broken, weakly sericitized fragments, hematized matrix, and silica overprint					
						sheared downhole contact at 65° to core axis					
87.17	94.17			4	dark brown-green	Ash Tuff (locally appears as crystal tuff) - rarely bedded at 65° to core axis					
						irregular quartz-carbonate stringers at 40° to core axis					
						alteration is chlorite-(hematite), local patch of clay alteration, but still hard					
94.17	105.46			4	dark green	Lapilli Tuff (Agglomerate) - no bedding observed					
						rounded to less common angular fragments, max 7cm; ashy matrix					
						weak chlorite alteration, local minor sericite alteration					
						quartz-carbonate-chlorite stringers to 1cm, widely-spaced					
						some veins with gouge, common at 25° to core axis					
105.46						EOH					

Drillhole Number: M12-29										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	4.00	0.00	1.22	1.22									
4.00	16.00	1.22	4.88	3.66	2.81	77%	0.19	5%	20+				
16.00	26.00	4.88	7.92	3.05	2.75	90%	1.07	35%	20+	core loss			
26.00	36.00	7.92	10.97	3.05	3.00	98%	0.66	22%	20+				
36.00	46.00	10.97	14.02	3.05	2.99	98%	0.72	24%	20+				
46.00	56.00	14.02	17.07	3.05	2.94	96%	0.00	0%	20+				
56.00	66.00	17.07	20.12	3.05	3.04	100%	0.47	15%	20+				
66.00	76.00	20.12	23.16	3.05	2.56	84%	0.00	0%	20+	core loss			
76.00	86.00	23.16	26.21	3.05	2.38	78%	1.28	42%	20+	core loss			
86.00	96.00	26.21	29.26	3.05	2.91	95%	2.35	77%	15				
96.00	106.00	29.26	32.31	3.05	3.00	98%	2.16	71%	20+				
106.00	116.00	32.31	35.36	3.05	2.94	96%	1.57	52%	20+				
116.00	126.00	35.36	38.40	3.05	2.90	95%	1.76	58%	20+				
126.00	136.00	38.40	41.45	3.05	3.05	100%	2.27	74%	20+				
136.00	146.00	41.45	44.50	3.05	3.02	99%	2.48	81%	14				
146.00	156.00	44.50	47.55	3.05	2.85	94%	2.10	69%	20+	blocks misplaced (recorded as measured)			
156.00	166.00	47.55	50.60	3.05	3.41	112%	1.78	58%	20+	blocks misplaced (recorded as measured)			
166.00	176.00	50.60	53.64	3.05	2.90	95%	1.60	52%	20+	blocks misplaced (recorded as measured)			
176.00	186.00	53.64	56.69	3.05	3.00	98%	1.05	34%	20+				
186.00	196.00	56.69	59.74	3.05	2.99	98%	1.34	44%	20+				
196.00	206.00	59.74	62.79	3.05	3.01	99%	1.74	57%	20+				
206.00	216.00	62.79	65.84	3.05	2.95	97%	1.64	54%	20+				
216.00	226.00	65.84	68.88	3.05	3.05	100%	2.50	82%	14				
226.00	236.00	68.88	71.93	3.05	3.02	99%	1.71	56%	20+				
236.00	246.00	71.93	74.98	3.05	3.01	99%	1.67	55%	20+				
246.00	256.00	74.98	78.03	3.05	2.93	96%	1.81	59%	20+				
256.00	266.00	78.03	81.08	3.05	3.05	100%	1.44	47%	20+				
266.00	276.00	81.08	84.12	3.05	3.05	100%	2.15	71%	20+				
276.00	286.00	84.12	87.17	3.05	2.81	92%	0.52	17%	20+	core loss			
286.00	296.00	87.17	90.22	3.05	2.91	95%	1.52	50%	20+				
296.00	306.00	90.22	93.27	3.05	3.01	99%	1.84	60%	20+				
306.00	316.00	93.27	96.32	3.05	3.02	99%	1.32	43%	20+				
316.00	326.00	96.32	99.36	3.05	2.95	97%	1.87	61%	20+				
326.00	336.00	99.36	102.41	3.05	2.90	95%	1.71	56%	20+				
336.00	346.00	102.41	105.46	3.05	3.05	100%	1.26	41%	20+				

			Total	105.46		96%		48%		



[illegible]

<b>DDH No:</b>	<b>M12-29</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-29	81.16	81.76	0.60		<b>1-68752</b>	stringers	26	
M12-29	81.76	82.03	0.27		<b>1-68753</b>	vein	26	
<b>M12-29</b>					<b>1-68754</b>	<b>BLANK</b>	26	
M12-29	82.03	82.48	0.45		<b>1-68755</b>	stringers	26	
M12-29	82.48	83.34	0.86		<b>1-68756</b>	stringers	27	
M12-29	83.34	84.21	0.87		<b>1-68757</b>	stringers	27	
M12-29	84.21	84.63	0.42		<b>1-68758</b>	vein	27	
M12-29	84.63	85.01	0.38		<b>1-68759</b>	gouge	27	
M12-29	85.01	85.64	0.63		<b>1-68760</b>	gouge	27	
M12-29	85.64	86.04	0.40		<b>1-68761</b>	breccia	28	
<b>M12-29</b>					<b>1-68762</b>	<b>STANDARD FCM-6</b>	28	
M12-29	86.04	86.67	0.63		<b>1-68763</b>		28	
M12-29								

Company:		Low Profile Ventures				Project:		Miya		DDH Number:		M12-30			
						NTS:		093E/11							
UTM:	9U NAD83		Length:		70.71		Collar Elev:	1926.90		Core Size:	HQ		Surveyed by:	same as M12-10	
E:	614560.60		Azimuth:		360		Start Date:	7-Oct-2012		Contractor:	Titan		Units:	Metres	
N:	5955974.30			Dip:	-35		End Date:	8-Oct-2012		Date Logged:	10-Oct-2012		Logged by:	R Boyce	
Comments: Drilled from Pad "G"															
Summary: Low-sulphide stringers at 15° - 50° in bleached rock 8.1 - 18.6m. Stockwork/breccia/gouge with moderate sulphides 58.66 - 64.04m (Miya Vein Zone?)															
Metres		%	%												
From	To	Rec	RQD	Hard	Colour	Description									
0.00	1.83					Overburden									
1.83	10.40			5	dark green	Feldspar-Porphyry - mostly brecciated - fragments to 2cm; downhole end mostly crackled									
						phenocrysts 1-2mm									
						pervasive chlorite (local epidote) alteration; silica matrix - generally hard rock									
						well-fractured with limonitized or hematized surfaces; very broken 1.83 - 4.0m (70% recovery)									
						8.1 - 10.24m: few 0.5cm veins at 30° quartz-(sphalerite-galena-pyrite)									
10.40	16.62			4	buff-grey	Feldspar-Porphyry - bleached and crackled									
						moderate-fractured									
						pervasive moderate clay-altered, with chlorite patches, and some phenocrysts and envelopes									
						silica overprint, with minor disseminated pyrite									
						weak stockwork quartz-(sphalerite-galena-pyrite) common at 30° to core axis, 1-15mm thick									
						locally blebby - overall content galena+sphalerite <1%									
						14.20 - 15.36m: very broken and limonitized, some gouge at 10° to core axis									
						16.12 - 16.55m: 10% of interval is quartz-galena-sphalerite-(chalcopyrite) vein at 50° to core axis									
						galena 2%, sphalerite 2% for interval									
16.62	17.12					Lost									
17.12	17.33			2	pale green	Gouge and sericitized wallrock, with fragments of quartz-carbonate stringers									
17.33	18.60			4	black-pale green	Stockwork quartz-carbonate-blebby galena-sphalerite-pyrite, vuggy and limonitized; main vein at 15°									
						sphalerite 3%, galena 3%, pyrite 2%, chalcopyrite trace									
						pale green porphyry host, sericitized and partly silicified									
						well-fractured									
18.60	21.54			4	buff-green	Feldspar-Porphyry - bleached									
						well-fractured to broken, with limonitized surfaces, broken on dissolved carbonate stringers									
						fine stockwork vuggy quartz-(carbonate)-blebby galena-sphalerite; galena+sphalerite 0.5%									
						broken downhole contact									
21.54	57.08			4	medium-dark green	Feldspar-Porphyry - locally crackled; well-fractured to broken									
						weak chlorite-(epidote) alteration, with hematite in phenocrysts and patches									
						common white hairline carbonate (+hematite) stringers; especially 25° and 75° to core axis									
						fracture surfaces limonitized, changing downhole to hematized									
						32.5 - 41.0m: rare 1 - 2cm pink quartz-carbonate (pyrite-chlorite) irregular stringers (noted 1 spot									
						32.0 - 33.3m: moderate clay (+hematite) alteration - rubbly									
						47.0 - 57.08m: irregular quartz-carbonate-chlorite stringers 1 - 3mm (late) - no sulphides									
						52.0 - 57.08m: general increase in hematite in matrix, and epidote as envelopes on early carbonate									
57.08	58.66			4	light brown-green	Feldspar-Porphyry with weak fabric at 40°, highlighted by alteration texture									
						alteration is weak sericite with chlorite and local epidote, locally hematite in mtx									

Metres		%	%								
From	To	Rec	RQD	Hard	Colour	Description					
						rock is hard - silica overprint?					
						stringers/stockwork increasing downhole: quartz-(chlorite)-off-white carbonate					
58.66	59.30			5	light-dark grey	Stockwork in sericite-(hematite) altered wallrock					
						disseminated fine-grained pyrite in quartz-carbonate veins, and trace galena-sphalerite					
						downhole contact sharp on 30° minor slip					
59.30	59.95			4	buff-grey	Breccia - multiphase, siliceous light grey matrix; fragments diffuse, subrounded , max 1cm					
						cut by irregular quartz-pink carbonate stringers 5%					
						59.65 - 59.95m: matrix has coarse-grained pyrite (4%), sphalerite (3%), galena (2%)					
						well-fracture to broken					
59.95	60.46					Lost					
60.46	60.87			1	light grey-green	Fault Gouge - clay and rounded fragments of altered wallrock					
						downhole contact irregular - fault fades out					
60.87	63.36			3	light olive-green	Feldspar-Porphyry - bleached, fractured					
						alteration medium sericite-(clay-chlorite)					
						thin stockwork carbonate-quartz-(pyrite) - assoc with fractures					
						62.79 - 63.41m: trace galena + sphalerite in quartz-carbonate stringers					
						broken downhole contact					
63.36	64.04			5	light-dark grey	Stockwork - altered wallrock with 60% drusy quartz-pink carbonate-pyrite veins					
						bands of sphalerite-galena and blebs chalcopyrite					
64.04	70.71			3	light-dark green	Feldspar-Porphyry - mottled					
						fracturing moderate to rubbly					
						variable alteration: chlorite-sericite, with clay or hematite dominant sections					
						scattered 1cm quartz-carbonate-(pyrite) stringers with trace galena-sphalerite 65.18 - 65.99m					
						69.55 - 69.81m: disseminated sphalerite-galena <0.5%					
						gougy sections 66.65 - 66.75m, 69.05 - 69.12m					
70.71						EOH					

Drillhole Number: M12-30										RQD Rating			
Run Interval		Run Interval								0-25%	very poor	75-90%	good
feet		meters		Run	Recovery	Recovery	RQD	RQD	Fractures	25-50%	poor	90-100%	excellent
From	To	From	To	meters	Measured	%	Measured	%	per run	50-75%	fair		
										Comments			
0.00	6.00	0.00	1.83	1.83									
6.00	16.00	1.83	4.88	3.05	2.30	75%	0.40	13%		core loss			
16.00	26.00	4.88	7.92	3.05	2.92	96%	1.29	42%					
26.00	36.00	7.92	10.97	3.05	3.06	100%	1.55	51%					
36.00	46.00	10.97	14.02	3.05	3.33	109%	1.65	54%					
46.00	56.00	14.02	17.07	3.05	2.59	85%	0.54	18%		core loss			
56.00	66.00	17.07	20.12	3.05	2.97	97%	1.55	51%					
66.00	76.00	20.12	23.16	3.05	2.95	97%	0.23	8%					
76.00	86.00	23.16	26.21	3.05	3.01	99%	0.12	4%					
86.00	96.00	26.21	29.26	3.05	2.98	98%	0.43	14%					
96.00	106.00	29.26	32.31	3.05	3.05	100%	0.62	20%					
106.00	116.00	32.31	35.36	3.05	2.53	83%	0.51	17%		core loss			
116.00	126.00	35.36	38.40	3.05	3.07	101%	0.68	22%					
126.00	136.00	38.40	41.45	3.05	3.00	98%	1.06	35%					
136.00	146.00	41.45	44.50	3.05	2.99	98%	0.25	8%					
146.00	156.00	44.50	47.55	3.05	3.00	98%	0.00	0%					
156.00	166.00	47.55	50.60	3.05	3.00	98%	0.50	16%					
166.00	176.00	50.60	53.64	3.05	2.92	96%	0.00	0%					
176.00	186.00	53.64	56.69	3.05	2.97	97%	1.80	59%					
186.00	196.00	56.69	59.74	3.05	3.01	99%	0.58	19%					
196.00	206.00	59.74	62.79	3.05	2.56	84%	0.29	10%		core loss			
206.00	216.00	62.79	65.84	3.05	3.01	99%	0.76	25%					
216.00	226.00	65.84	68.88	3.05	2.78	91%	1.36	45%		core loss			
226.00	232.00	68.88	70.71	1.83	1.68	92%	1.54	84%					
			Total	70.71		95%		27%					



<b>DDH No</b>	<b>M12-30</b>							
<b>Metres</b>			<b>Azimuth</b>	<b>Azimuth</b>	<b>Degrees</b>			
<b>Depth</b>	<b>Survey Type</b>	<b>Instrument</b>	<b>Magnetic</b>	<b>Corrected</b>	<b>Dip</b>	<b>Mag Field</b>	<b>OK?</b>	
0.00	Collar			360	-45			
	Downhole	Reflex Easy-shot						

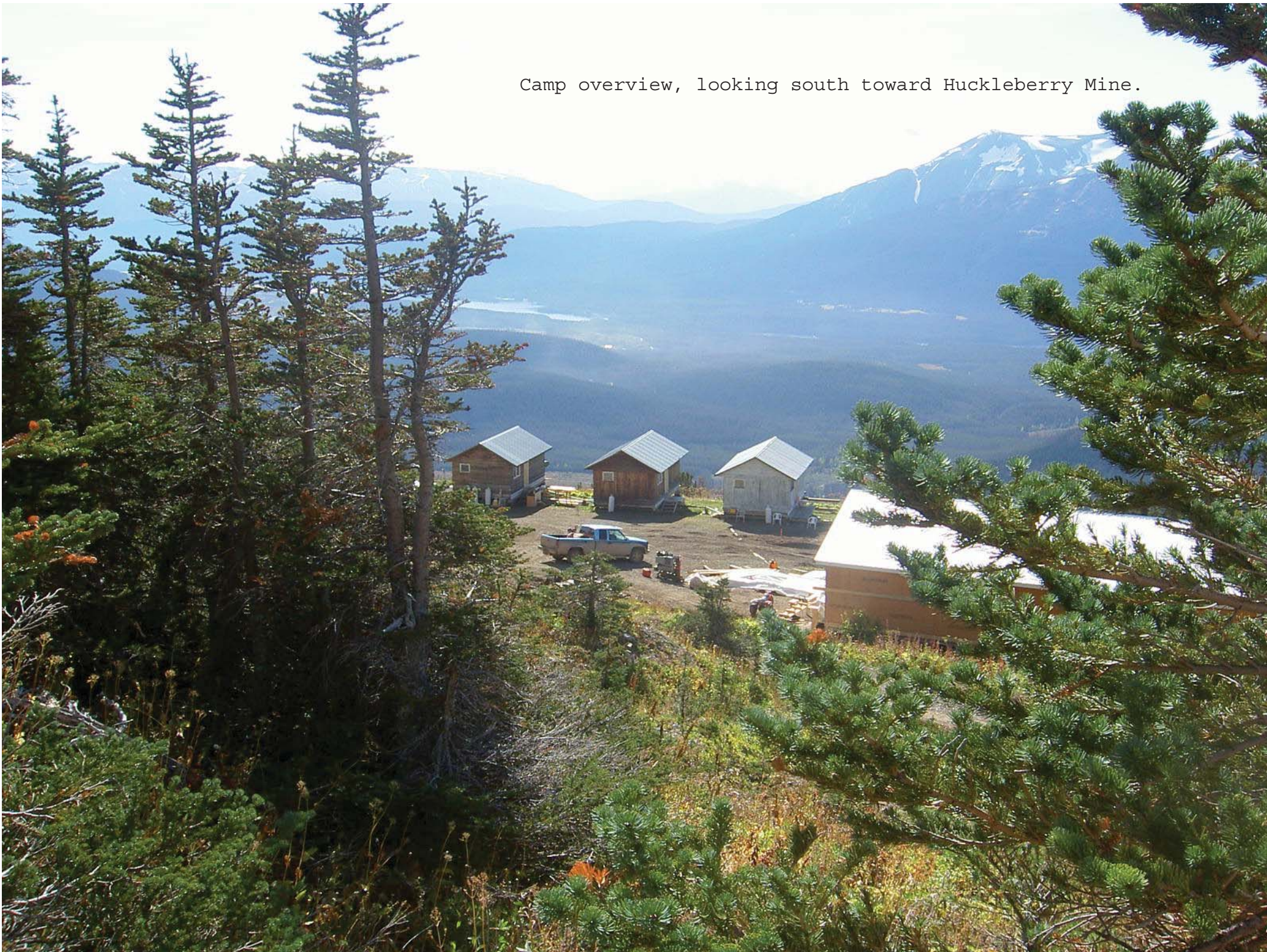
<b>DDH No:</b>	<b>M12-30</b>							
<b>DDH</b>	<b>Metres</b>			<b>%</b>				
<b>Number</b>	<b>From</b>	<b>To</b>	<b>Interval</b>	<b>Rec</b>	<b>Sample Number</b>	<b>Comment (Blank, Std, Dup?)</b>	<b>Box #</b>	
M12-30	8.21	9.07	0.86		1-68764	stringers	3	
M12-30	9.07	10.18	1.11		1-68765		3	
M12-30	10.18	10.97	0.79		1-68766	stringers	3	
M12-30	10.97	11.82	0.85		1-68767	stringers	4	
M12-30	11.82	12.77	0.95		1-68768		4	
M12-30	12.77	13.29	0.52		1-68769	stringers	4	
M12-30	15.55	16.12	0.57		1-68770		5	
M12-30	16.12	16.62	0.50		1-68771	stringers	5	
M12-30	16.12	16.62	0.50		1-68772	DUPLICATE	5	
M12-30	17.12	17.33	0.21		1-68773	gouge	5	
M12-30					1-68774	BLANK	5	
M12-30	17.33	17.93	0.60		1-68775	stringers	5	
M12-30	17.93	18.60	0.67		1-68776	stringers	6	
M12-30	18.60	19.46	0.86		1-68777		6	
M12-30	19.46	20.50	1.04		1-68778	stringers	6	
M12-30					1-68779	STANDARD	6	
M12-30	20.50	21.54	1.04		1-68780		7	
M12-30	58.14	58.66	0.52		1-68781		20	
M12-30	58.66	59.30	0.64		1-68782	stockwork - Miya Vein?	20	
M12-30	58.66	59.30	0.64		1-68783	DUPLICATE	20	
M12-30	59.30	59.65	0.35		1-68784	breccia - Miya Vein?	20	
M12-30	59.65	59.95	0.30		1-68785	breccia/stockwork - Miya?	20	
M12-30	60.46	60.87	0.41		1-68786	gouge - Miya Vein?	21	
M12-30	60.87	61.39	0.52		1-68787	stringers - Miya Vein?	21	
M12-30	61.39	62.42	1.03		1-68788		21	
M12-30					1-68789	STANDARD	21	
M12-30	62.42	63.36	0.94		1-68790		21	
M12-30	63.36	64.04	0.68		1-68791	vein - Miya Vein?	22	

DDH	Metres			%				
Number	From	To	Interval	Rec	Sample Number	Comment (Blank, Std, Dup?)	Box #	
M12-30	64.04	64.52	0.48		1-68792		22	
M12-30								
M12-30								

## APPENDIX V: PHOTOS



Camp overview, looking south toward Huckleberry Mine.







Inside core shack (Rob Boyce, P.Geo).



Drill and overview, looking south-east.





Drillhole 25:





M12-14 detail @ 19.5m massive sphalerite-galena.

19.30 - 22.38m

19.5

20.42





M12-15 detail @ 24.5-26.5m banded sulphide.

24.5

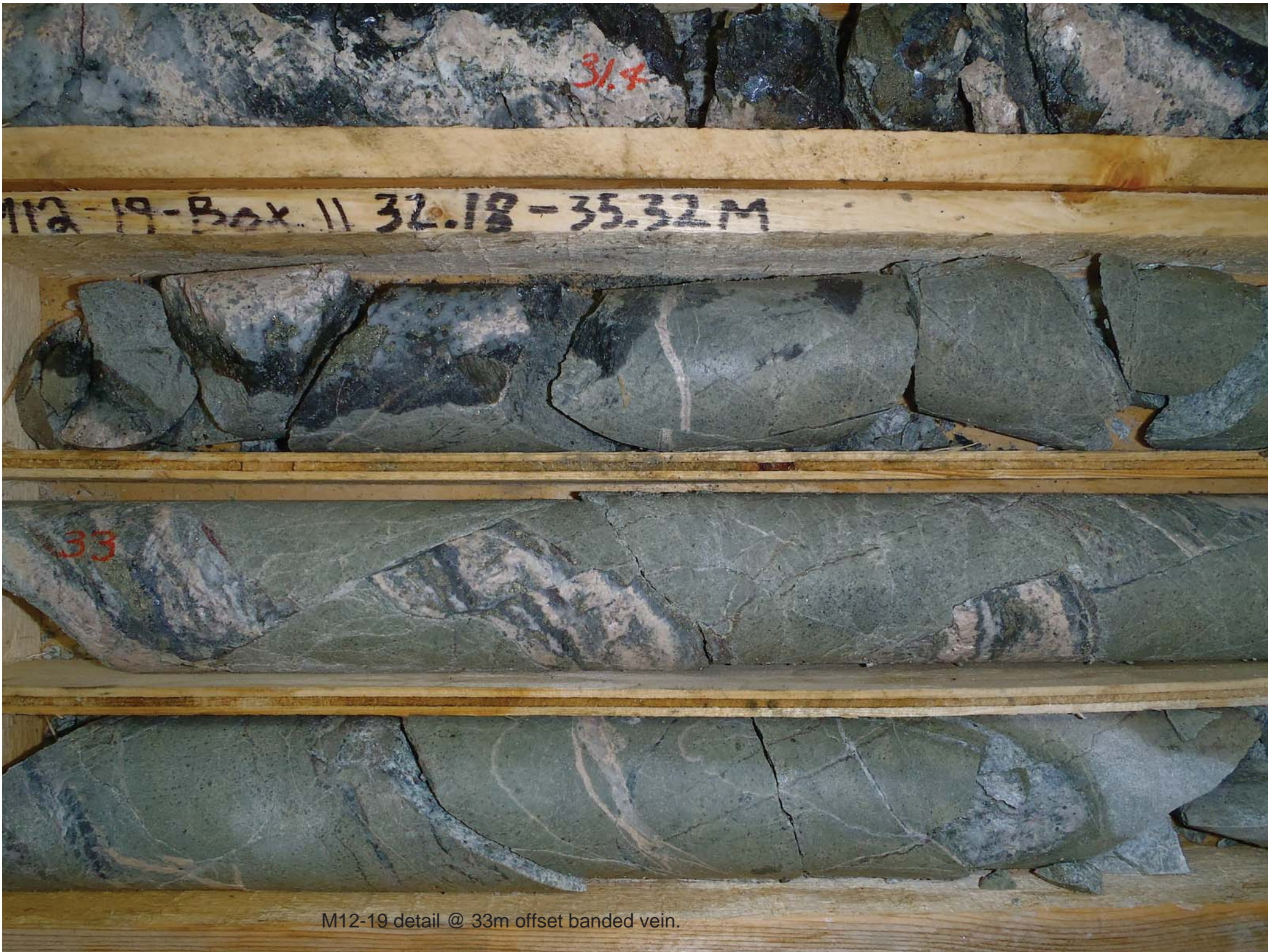
25.5

26.52

26.52







M12-19 detail @ 33m offset banded vein.



Marmot Zone trench with samples.



10.02.2012



Rob Boyce, P.Geo, monumenting drillholes.

