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**Assessment Report:**

**NIGHT HAWK LAKE PROJECT - 2016 DIAMOND DRILL PROGRAM**

**Porcupine Mining Division  
Timmins, Ontario**

**N.T.S. 42A/10**

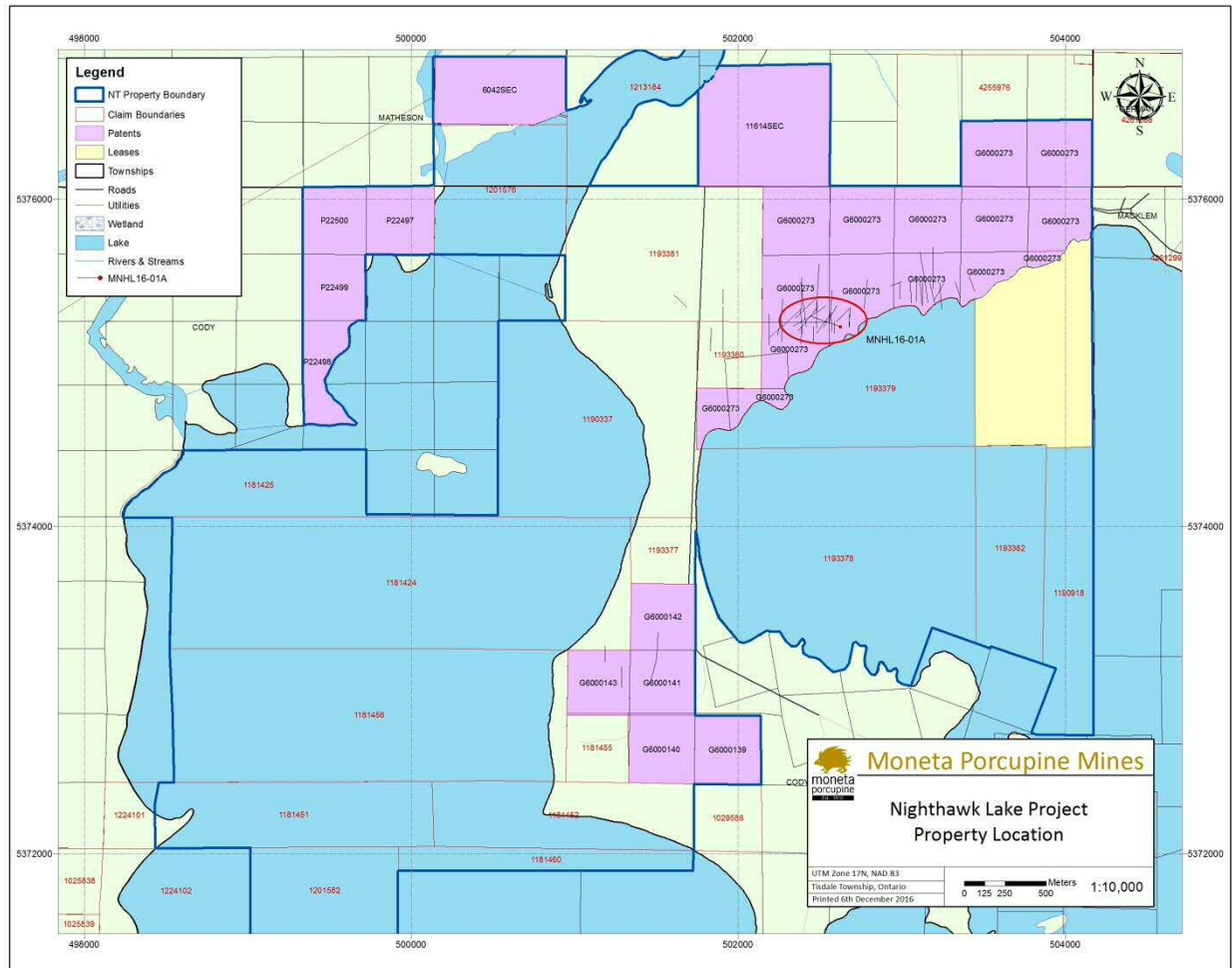
**December 7, 2016**

**Kirsty Nicholson**

## NIGHT HAWK LAKE PROJECT - 2016 DIAMOND DRILL PROGRAM:

### Summary

Moneta Porcupine's Night Hawk Lake Project consists of a large, contiguous group of staked claims, patented leased mining parcels located 25 kilometers east of downtown Timmins, Ontario. The property is located primarily in northeastern Cody Township. This extensive land package may be easily accessed via Highway 101 East and Peninsular Road (the former Night Hawk Lake Mine access road).



*Fig 1. Location map showing the Night Hawk Project claims (blue boundary), adjacent topography and access, as well as the site of the 2016 assessment work (red oval), described within this report*

The property has seen gold exploration since the 1940's due to its proximity to the prolific Destor Porcupine structural corridor (DPFZ) and the Night Hawk Break. Locally these structures, in particular the Night Hawk Break, host several gold deposits/mining operations, including the Aquarius Mine (2006 St Andrew Goldfields resource: 23.1 Mt @1.49 g/t indicated, 0.502 MT @ 0.83 g/t inferred) 6 kilometres immediately to the east, and the Nighthawk Mine (101,114 t @ 0.195 oz/t production), 1 kilometer to the south.

Between September 10-15<sup>th</sup>, 2016, Moneta completed two diamond drill holes (MNHL16-01 & MNHL16-01A), on the property, totalling 378m of drilling. The trace of this hole was within the Company's consolidated patented mining parcels (G6000273) crossing internal patents P18585, P21827 and P21826, all in Cody Township.

The NQ-diameter hole was designed to evaluate the orientation of mineralization encountered in past drilling within the Collins Zone and to test a newly modeled interpretation on mineralization controls.

Hole MNHL16-01 encountered conglomerate and a quartz feldspar porphyry before being terminated at 39m due to excessive deviation. Hole MNHL16-01A intersected conglomerate followed by variably altered ultramafic volcanics including talc-chlorite schist and grey green carbonate, with sections of green carbonate and fuchsite and sericitic alteration often associated with gold mineralization. Variably altered intermediate to mafic and feldspar dykes occur throughout and are generally associated with higher concentration of sulphides and gold values within the immediate alteration zone. The hole was terminated at 339m depth downhole.

Typical Collins Zone mineralization was encountered. Highlights of significant intervals of gold mineralization include 2.20 g/t over 5.16m associated with an altered feldspar dyke, 3.83 g/t over 6.40m adjacent to a narrow mafic dyke, and 1.84 g/t over 29.80m in green carbonate and sericite altered ultramafic volcanics containing quartz carbonate stringers and pyrite.

### **Previous Work**

Several exploration campaigns have been completed over the past 80 years, with primary focus on the Collins Patent Group at the Destor Porcupine Fault Zone (DPFZ) influenced contact between the Temiskaming sediments and Tisdale volcanics.

Moneta's 1997-2010 drilling resulted in several gold intersections of economic merit (up to 9.54 g/t gold over 5.75 metres) over a strike length of 700m that define the Collins Zone. The gold mineralization is hosted within a moderately northerly dipping broad zone of highly altered ultramafic volcanics in contact with overlying Timiskaming sediments and appears similar to the nearby Aquarius Mine consisting of quartz stringers within a green carbonate alteration zone.

In 2014, the Company completed drill hole NHL14-01 totaling 567m in depth to evaluate the potential for gold mineralization related to a prior report of gold and sulphide mineralization intersected in a 1946 drill hole, as well as test the volcanic stratigraphy in the immediate area.

### **Geological Framework**

The geology of Night Hawk Lake is comprised of a stratigraphic package of Archean rocks where Timiskaming sediments overlay Tisdale Assemblage volcanic rocks. The Timiskaming sediments are located in the northern part of the claim group, north of the DPFZ.

The Timiskaming sediments consist of greywackes, argillites, and pebble conglomerates. South of the DPFZ, the Tisdale Assemblage is comprised of ultramafic and mafic intrusions and flows.

Ultramafic volcanics proximal to the DPFZ have undergone varying degrees of deformation and alteration (talc chlorite, ankerite, green carbonate, and fuchsite).

Altered intermediate to mafic albitite dykes occur within the ultramafic volcanic units. These dykes are generally associated with higher concentration of sulphides and gold values within the immediate alteration zone.

The Night Hawk break is a major DPFZ splay which extends from the Night Hawk Lake Mine eastwards to the DPFZ at an orientation of 070. This break is associated with the presence of numerous gold zones (Goldhawk, Narrows, Ronoco, Hopson, Aquarius etc.) proximal to the break.

Feldspar and quartz feldspar porphyries, aplites, syenites, and felsites are examples of felsic intrusives which occur throughout the Night Hawk Lake area.

All rocks in the Night Hawk Lake area are intruded by late diabase dykes.

### **2016 Exploration Programme**

Moneta's local drill contractor (Norex Drilling) mobilized one hydraulic top-drive 'VD' drill rig onto the property on September 10<sup>th</sup>, 2016. Access to the drill site was via Highway 101, turning onto Peninsular Rd, then utilising the existing drill roads to access the drill site.

Hole MNHL16-01A was designed by the author to evaluate the orientation of mineralization encountered within the Collins Zone and to test a newly modeled interpretation on mineralization controls.

This assessment drilling programme was managed on a daily basis by the author. All core-logging and sample delineation was conducted by a sub-contracting project geologist, Kian Jensen.

Norex crews completed 378m of drilling by September 15th; averaging 65 metres/day progress. Hole MNHL16-01 was terminated due to excessive deviation from the planned azimuth and dip. For hole MNHL16-01A no issues were reported. MNHL16-01 casing was pulled and MNHL16-01A casing was left in the hole and it was capped, and site remediated as per MNDM guidelines. The rig was subsequently removed from the drill site.

After 12.9m of overburden-casing, MNHL16-01 intersected 26.1m (core length) of conglomerate followed by 8.6m of quartz feldspar porphyry dyke before being stopped.

Similarly, after 12m of overburden-casing, MNHL16-01A encountered 11.6m of conglomerate. This was followed by 315.4m of variably altered ultramafic volcanics including talc-chlorite schist and grey green carbonate, with sections of green carbonate and fuchsitic and sericitic alteration often associated with gold mineralization. Variably altered intermediate to mafic and feldspar dykes occur throughout and are generally associated with higher concentration of sulphides and gold values within the immediate alteration zone.

Typical Collins Zone mineralization was encountered, highlights of significant intervals of gold mineralization include 2.20 g/t over 5.16m associated with an altered feldspar dyke, 3.83 g/t over 6.40m adjacent to a narrow mafic dyke, and 1.84 g/t over 29.80m in green carbonate and sericite altered ultramafic volcanics containing quartz carbonate stringers and pyrite.

A total of 199 sawn (halved) core samples are being submitted to SGS Laboratories for gold analysis (utilising Fire Assay). Fourteen of these samples were subject to Moneta's industry-standard QAQC programme.

Modelling and interpretation was updated to reflect the results of this drill program.



Kirsty Nicholson  
*Project geologist,*  
*Moneta Porcupine Mines Inc.*  
*65 Third Avenue,*  
*Timmins, Ontario*

December 7, 2016

**Appendix:**

Statement of Qualifications  
References  
Drill Log  
Plan Map - Section Diagram  
Assay Certificates

### Statement of Qualifications

I, Kirsty A. Nicholson, of the City of Timmins, Ontario, do hereby certify that:

1. I am a graduate of the University of Auckland with a BSc. in geology in 2001, and a Post Graduate Diploma in Geology in 2003.
2. I have been employed in the private sector as a geologist or geotechnical specialist in NZ, UK and Canada for 10 years. I have been employed within the mining sector in Ontario for 5 years.
3. I have reviewed this report.
4. I have not received, directly or indirectly or expect to receive any interest in the company and its properties.

Signed:



Dated:

December 7, 2016

## References

- ODM Rpt. 096, Geology of the Night Hawk Lake Area, District of Cochrane; by E.J. Leahy (1971)
- Gold Deposits in the Porcupine Gold Camp; PhD Thesis, by D. Brisbin (1997)
- Numerous MNDM assessment files from Cody and Matheson Townships
- Resident Geologist Program Rept of Activities OFR6264
- Maps and articles from Moneta Porcupine's corporate website





**Moneta Porcupine Mines Inc.  
Diamond Drill Log Report**

Dec 06, 2016

**Hole Name:** MNHL16-01

<b>Eastings:</b> 502627.00	<b>Survey Type:</b> Field GPS Setup	<b>Core Size:</b> NQ	<b>Zone:</b> Collins Zone	<b>Logged by:</b> Kian Jensen
<b>Northings:</b> 5375223.00	<b>DM Survey Method:</b> Reflex	<b>Materials left:</b> N/A	<b>Claim:</b> Patent P18585 Pin 65385-	<b>Dates logged:</b> September 21 - September 22; 2016
<b>Elevation:</b> 286.00	<b>Hole Type:</b> DDH	<b>Drilled by:</b> Norex Drilling	<b>Purpose:</b>	<b>Sample Type:</b> Cut Core
<b>Collar Azimuth:</b> 285.0	<b>Hole length:</b> 39	<b>Drill ID:</b>	<b>Core Storage:</b> Moneta Facility Timmins	<b>Analysis:</b>
<b>Collar DIP:</b> -50.0	<b>Units:</b> Meters	<b>Project:</b> Nighthawk Lake	<b>Date Started:</b> 9/10/2016 9:23:45 PM	<b>Laboratory:</b> SGS
			<b>Date Completed:</b> 9/11/2016 10:54:14 AM	<b>Duplicate Laboratory:</b> Activation Lab

**Comments:**

Hole terminated due to azimuth and dip deviation. Casing Pulled.

**Downhole Survey Tests:**

<i>Depth</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Type</i>	<i>Magnetic Strength</i>	<i>Comments</i>
0.00	285.00	-50.00	COLLAR ESTIMATE		
24.00	288.90	-46.80	REFLEX	5642	
39.00	289.30	-46.70	REFLEX	5618	

**Veinage Percentage**

<i>From</i>	<i>To</i>	<i>Vein Type</i>	<i>Percentage</i>	<i>Comments</i>
12.88	24.81	qcs	0	
24.81	33.38	qcs	0	
33.38	38.99	qcs	0	

<b>Lithology</b>								<b>Au</b>	<b>FaGeo</b>	<b>FaGeo2</b>	<b>FaGrav</b>	<b>FaGrav2</b>		<b>Metallic</b>	<b>DUP FaGeo</b>	<b>DUP FaGrav</b>
<b>From</b>	<b>To</b>	<b>Description</b>	<b>From</b>	<b>To</b>	<b>Length</b>	<b>Sample #</b>		<b>(avg g/t)</b>	<b>(ppb)</b>	<b>(ppb)</b>	<b>(g/t)</b>	<b>(g/t)</b>	<b>Cert #</b>	<b>(g/t)</b>	<b>(ppb)</b>	<b>(g/t)</b>
0.00	12.88	Overburden.														
12.88	24.81	Ultramafic Conglomerate. Polymictic unsorted conglomerate, matrix dark green to blackish green, fine grained, nil to very poor development of primary bedding or schistosity, good development of talcose alteration, weak to weak moderate carbonate alteration, void of distinct veining, overall matrix supported mineralization 1% very fine to fine grained pyrite with small local sections up to 5% to 7%, generally weak to moderate magnetic locally moderate to moderate-strong due to matrix composition, clasts size range from rounded to sub-rounded pebbles of mixed lithology in larger matrix sections to cobble size and or boulder size in section of less matrix dominated by weak to weak-moderate potassic altered from 12.88m to 17.60m, medium to medium coarse grained feldspar and quartz feldspar porphyry cobbles and boulder size with lesser amounts of medium grained mafic metavolcanics and mafic intrusives, cobbles generally contain 3% to 5% fine grained to medium grained pyrite, limited and small sections of matrix dominated core appears to be brecciated with angular sub-angular fragments.														
<b>Mineralization</b>																
<b>From</b>	<b>To</b>	<b>Description</b>														
12.88	24.81															
<b>Alteration</b>																
<b>From</b>	<b>To</b>	<b>Description</b>														
12.88	24.81	chlorite alteration of matrix only														
			12.88	14.38	1.50	E5692193		0.019	19.000							
			14.38	15.88	1.50	E5692194		0.240	240.000							
			15.88	17.38	1.50	E5692195		0.051	51.000							
			17.38	18.88	1.50	E5692196		0.021	21.000							
<b>Structure</b>																
<b>From</b>	<b>To</b>	<b>Type</b>	<b>Intensity</b>	<b>Description</b>	<b>TCA</b>	<b>Strike</b>	<b>DIP</b>									
17.52	17.53	gou	s	non orientated section of core	20											
								18.88	20.38	1.50	E5692197		0.044	44.000		
								20.38	21.88	1.50	E5692198		0.013	13.000		
								21.88	23.38	1.50	E5692199		0.066	66.000		
								23.38	24.81	1.43	E5692200		0.078	78.000		
<b>Lithology</b>																
<b>From</b>	<b>To</b>	<b>Description</b>														
24.81	33.38	Quartz Feldspar Porphyry. Pale pinkish white, medium to coarse grained, massive, homogeneous, with rafted inclusions of light buff green bleached and silicified mafic and or ultramafic metavolcanics, local 9cm to 15cm brecciated sections with dark green to black green matrix containing angular to sub-angular fragments of quartz feldspar porphyry, void of veining, scattered to disseminated 5% to 7%, scattered 3% to 5% fine pyrite in inclusions, non-magnetic, hard to very hard of porphyry and inclusions, breccia matrix moderately soft to moderately hard.														
<b>Structure</b>																
<b>From</b>	<b>To</b>	<b>Type</b>	<b>Intensity</b>	<b>Description</b>	<b>TCA</b>	<b>Strike</b>	<b>DIP</b>									
24.81	24.82	Ucnt	s	brecciated and displaced contact	48											
<b>Mineralization</b>																
<b>From</b>	<b>To</b>	<b>Description</b>														
24.81	33.38															
<b>Alteration</b>																
<b>From</b>	<b>To</b>	<b>Description</b>														
24.81	33.38															
			24.81	26.30	1.49	E5692201		0.166	166.000							

From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
26.30	27.80	1.50	E5692202	0.022	22.000							
27.80	29.30	1.50	E5692203	0.073	73.000							
29.30	30.80	1.50	E5692204	0.007	7.000							
30.80	32.30	1.50	E5692205	0.003	3.000							
32.30	33.38	1.08	E5692206	0.012	12.000							

**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
33.37	33.38	Lcnt	s		55		

**Lithology**

From	To	Description
33.38	38.99	Ultramafic Conglomerate. Same as above 12.88m to 24.81m, dominated by pebble to cobble size clasts.

**Mineralization**

From	To	Description	From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)
33.38	38.99		33.38	34.88	1.50	E5692207	0.049	49.000
			34.88	36.38	1.50	E5692208	0.064	64.000

**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP				
35.53	36.18	BC	s	broken core in matrix dominated section							
					36.38	37.88	1.50	E5692210	0.043	43.000	
								Standard 17c	E5692209	3.190	3190.000
					37.88	38.99	1.11	E5692211	0.028	28.000	

**Lithology**

From	To	Description
38.99	39.00	End of Hole.

EOH : 39.000  
Total # of samples : 19  
Total footage sampled : 26.11



## Moneta Porcupine Mines Inc. Diamond Drill Log Report

Dec 06, 2016

**Hole Name:** MNHL16-01A

<b>Eastings:</b>	502627.00	<b>Survey Type:</b>	Field GPS Setup	<b>Core Size:</b>	NQ	<b>Zone:</b>	Collins Zone	<b>Logged by:</b>	Kian Jensen
<b>Northings:</b>	5375223.00	<b>DM Survey Method:</b>	Reflex	<b>Materials left:</b>	N/A	<b>Claim:</b>	Patent P18585 Pin 65385-	<b>Dates logged:</b>	September 22 - September 29; 2016
<b>Elevation:</b>	286.00	<b>Hole Type:</b>	DDH	<b>Drilled by:</b>	Norex Drilling	<b>Purpose:</b>		<b>Sample Type:</b>	Cut Core
<b>Collar Azimuth:</b>	285.0	<b>Hole length:</b>	339	<b>Drill ID:</b>		<b>Core Storage:</b>	Moneta Facility Timmins	<b>Analysis:</b>	
<b>Collar DIP:</b>	-50.0	<b>Units:</b>	Meters	<b>Project</b>	Nighthawk Lake	<b>Date Started:</b>	9/11/2016	<b>Laboratory:</b>	SGS
						<b>Date Completed:</b>	9/15/2016	<b>Duplicate Laboratory:</b>	Activation Lab

**Comments:**

**Downhole Survey Tests:**

Depth	Azimuth	Dip	Type	Magnetic Strength	Comments
0.00	285.00	-50.00	COLLAR ESTIMATE		
24.00	287.90	-53.10	REFLEX	5628	
54.00	287.80	-53.20	REFLEX	5613	
84.00	287.60	-53.20	REFLEX	5620	
114.00	288.90	-53.20	REFLEX	5627	
144.00	289.30	-53.90	REFLEX	5627	
174.00	289.80	-54.80	REFLEX	5628	
204.00	290.30	-54.90	REFLEX	5617	
234.00	290.20	-55.50	REFLEX	5613	
264.00	291.10	-56.40	REFLEX	5627	
294.00	289.70	-56.60	REFLEX	5627	
324.00	290.90	-56.60	REFLEX	5617	
339.00	290.10	-56.50	REFLEX	5606	

**Veinage Percentage**

From	To	Vein Type	Percentage	Comments
12	23.59	qcs	0	

23.59	35.33	qcs	0.3	
35.33	36.08	qv	95	5% talc chlorite inclusions
36.08	38.82	qcs	0.3	
38.82	41.1	qcs	0.3	
41.1	42.35	qv	65	
42.35	43.5	qs	0.3	
43.5	44.52	qv	85	
44.52	55.67	qv	8	
55.67	57.59	qv	100	
57.59	58.59	qv	85	
58.59	69.8	qs	0.3	1 low core angle 1cm quartz stringer
69.8	70.95	qv	75	contains inclusions of silicified dark grey metavolcanics
70.95	72.97	qcs	2	
72.97	73.32	qv	100	
77.26	77.58	qv	65	35% ground rubbly, possible inclusion
77.58	79.86	qcs	0.5	
79.86	81.41	qcv	95	limonite altered ultramafic metavolcanic inclusion
81.41	85.12	qcs	0.3	
85.12	85.62	qcv	100	
85.62	86.47	qcs	2	
86.77	88.77	qcs	10	
88.77	95.65	qcs	40	quartz stringers and quartz carbonate stringers
95.65	96.93	qcs	0.5	
96.93	98.48	qcs	0.5	
98.48	100.22	qcs	3	
100.22	105.52	qcs	5	
105.52	109.2	qcs	3	
109.2	119.98	qcs	3	majority narrow carbonate stringers, few 2cm pink carbonate quartz veinlets
119.98	122.94	qcs	2	
122.94	124.52	qcs	3	
124.52	138.19	qcs	20	quartz stringers and quartz carbonate stringers
138.19	138.71	qcs	10	
138.71	159.78	cs	5	
159.78	186.3	qcs	15	
186.3	188.12	qcs	1	
188.12	196.3	qcs	3	
196.3	198.94	qs	1	quartz chlorite fracture filling stringers with fine grained and bleb pyrite 3% to 5%
198.94	200.6	qcs	3	
200.6	201.87	qcs	5	
201.87	202.54	qcs	3	
202.54	204.58	qcs	2	
204.58	205.13	qcs	0.5	
205.13	208.17	cs	10	
208.17	213.99	qcs	1	
213.99	220.82	qcs	3	
220.82	224.5	qcs	1	
224.5	230.58	qcs	2	
230.58	265	cs	5	

265	305.34	cs	1
305.34	307.69	cs	0
307.69	311.28	cs	1
311.28	311.49	qcv	100
311.49	314.24	cs	1
315.02	316.26	cs	0.5
322.12	336.4	cs	0.5
336.96	337.45	qcv	95
337.45	337.8	qcs	10
337.8	338.5	qcv	60
338.5	338.98	qcs	10



<i>From</i>	<i>To</i>	<i>Length</i>	<i>Sample #</i>	<i>Au (avg g/t)</i>	<i>FaGeo (ppb)</i>	<i>FaGeo2 (ppb)</i>	<i>FaGrav (g/t)</i>	<i>FaGrav2 (g/t)</i>	<i>Cert #</i>	<i>Metallic (g/t)</i>	<i>DUP FaGeo (ppb)</i>	<i>DUP FaGrav (g/t)</i>
26.59	28.00	1.41	E5692223	0.003	3.000							
28.00	29.50	1.50	E5692224	0.037	37.000							
29.50	31.00	1.50	E5692225	0.008	8.000							
31.00	32.50	1.50	E5692226	0.023	23.000							
32.50	34.00	1.50	E5692228	0.059	59.000							
		<i>Blank</i>	E5692227	<i>0.003</i>	<i>3.000</i>							
34.00	35.33	1.33	E5692229	0.003	3.000							

**Lithology**

<i>From</i>	<i>To</i>	<i>Description</i>
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35.33	36.08	Quartz Vein. Quartz vein, light greyish milky white, massive, homogeneous, very minor talc chlorite schist inclusions, scattered fine grained pyrite, small blebs and streaks overall 1.0%, non magnetic, sharp contacts, no orientation due to poor RQD, hard to very hard. Upper contact 40 TCA, lower contact V shaped at 50 TCA.
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**Mineralization**

<i>From</i>	<i>To</i>	<i>Description</i>
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35.33	36.08	1% scattered pyrite
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**Veining**

<i>From</i>	<i>To</i>	<i>Description</i>
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35.33	36.08	quartz vein 40 TCA
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35.33	36.08	0.75	E5692230	0.003	3.000
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**Lithology**

<i>From</i>	<i>To</i>	<i>Description</i>
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36.08	37.60	Talc Chlorite Schist. Same as above 12.00m to 23.59m.
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**Mineralization**

<i>From</i>	<i>To</i>	<i>Description</i>
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36.08	37.60	1% scattered pyrite
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**Alteration**

<i>From</i>	<i>To</i>	<i>Description</i>
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36.08	37.60	moderate carbonate alteration
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36.08	37.60	1.52	E5692231	0.014	14.000
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**Lithology**

<i>From</i>	<i>To</i>	<i>Description</i>
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37.60	38.82	Quartz Vein. Same as 35.33 to 36.08, irregular creamy white quartz vein from 37.60m to 37.76m low TCA and irregular, mixed quartz vein and carbonated talc chlorite schist from 38.28m to 38.82m, scattered 1% fine pyrite.
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**Mineralization**

<i>From</i>	<i>To</i>	<i>Description</i>
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37.60	38.82	1% disseminated pyrite
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**Veining**

<i>From</i>	<i>To</i>	<i>Description</i>
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37.60	37.76	quartz vein 15 TCA
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37.60	38.82	1.22	E5692232	0.027	27.000
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**Sublitho**

<i>From</i>	<i>To</i>	<i>Description</i>
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37.76	38.28	Talc Chlorite Schist. Same as above.
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From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
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**Veining**

From	To	Description
38.28	38.82	quartz vein 20 TCA

**Lithology**

From	To	Description
38.82	41.10	Altered Felsic Intrusive. Pinkish, quartz feldspar equigranular from upper contact to 39.02 changing to 59% dark green chloritic matrix giving appearance of weakly foliated, medium to coarse grained, two small sections less than 10cm of pale pink massive fine grained inclusions of quartz feldspar, moderate to locally moderate-strong potassic mottled alteration, few scattered hematite fracture filling, scattered to weakly disseminated fine grained pyrite 2%, non-magnetic, hard to very hard.

**Mineralization**

From	To	Description
38.82	41.10	2% disseminated pyrite

**Alteration**

From	To	Description
38.82	41.10	moderate mottled potassic alteration

38.82	40.00	1.18	E5692233	0.025	25.000
40.00	41.10	1.10	E5692234	0.033	33.000

**Lithology**

From	To	Description
41.10	42.35	Quartz Vein. Small sections of up to 5% fine subhedral pyrite in inclusions of carbonated talc chlorite schist from 41.10m to 41.53m, creamy white quartz vein with irregular, embayed contacts with no contact alteration halo, minor sections could be fragments due to faulting or intense shearing, massive, scattered 0.5% fine pyrite, very hard.

**Sublitho**

From	To	Description
41.10	41.53	Talc Chlorite Schist. Same as above.

**Mineralization**

From	To	Description
41.10	42.35	5% scattered pyrite

41.10	42.35	1.25	E5692235	0.003	3.000
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**Veining**

From	To	Description
41.53	42.35	quartz vein upper contact 85 TCA broken no beta value

**Lithology**

From	To	Description
42.35	43.50	Talc Chlorite Schist. Same as above 23.59m to 35.33m, patches of 2% to 3% fine grained euhedral pyrite.

**Mineralization**

From	To	Description
42.35	43.50	2% scattered pyrite

**Alteration**

From	To	Description
42.35	43.50	moderate carbonate alteration

42.35	43.50	1.15	E5692236	0.003	3.000
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From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
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**Lithology**

From	To	Description
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43.50	44.52	Quartz Vein. Same as above, 15% talc chlorite schist inclusions containing up to patchy 5% fine to medium grained subhedral pyrite, vein contains 1% to 2% scattered poorly disseminated fine grained pyrite.
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**Mineralization**

From	To	Description
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43.50	44.52	2% scattered pyrite
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**Veining**

From	To	Description
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43.50	44.52	quartz vein 20 TCA irregular contacts
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43.50	44.52	1.02	E5692237	0.094	94.000
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**Lithology**

From	To	Description
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44.52	55.67	Talc Chlorite Schist. Same as above 23.59m to 35.33m, large section with foliation near parallel to core axis from 46.00m to 48.00m, pale greyish quartz vein from 53.82m to 54.56m at 20 TCA and on side of core 0 to 5 TCA probably fragments of veining.
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**Mineralization**

From	To	Description
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44.52	55.67	2% scattered pyrite
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**Alteration**

From	To	Description
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44.52	55.67	moderate carbonate alteration
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44.52	46.00	1.48	E5692238	0.015	15.000
46.00	47.50	1.50	E5692239	0.006	6.000
47.50	49.00	1.50	E5692240	0.003	3.000
49.00	50.50	1.50	E5692242	0.003	3.000
		Standard 201	E5692241	0.510	510.000
50.50	52.00	1.50	E5692243	0.003	3.000
52.00	53.50	1.50	E5692244	0.003	3.000
53.50	55.00	1.50	E5692245	0.003	3.000

**Veining**

From	To	Description
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53.82	54.56	quartz vein 20 TCA irregular contacts and near parallel to core axis
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55.00	56.67	1.67	E5692246	0.003	3.000
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**Lithology**

From	To	Description
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55.67	57.59	Quartz Vein. Same as above, minor wispy chlorite, scattered 1% fine grained pyrite.
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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55.67	55.68	Ucnt	s	upper contact of quartz vein	28	234.6	-33.4
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**Mineralization**

From	To	Description
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55.67	57.59	1% scattered pyrite
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From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
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**Veining**

From	To	Description
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55.67	57.59	quartz vein 28 TCA,234.6/-33.4N
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56.67	57.59	0.92	E5692247	0.010	10.000
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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57.58	57.59	Lcnt	s	lower contact of quartz vein	27	150.8	-88.8
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**Lithology**

From	To	Description
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57.59	69.80	Talc Chlorite Schist. Same as above 44.52m to 55.67m, light to medium grey with dark green chlorite wisps, tight S folding from 65.00m to 65.20m, locally contorted foliation, overall 1% to 2% scattered fine grained and bleb pyrite, very rare quartz and or quartz carbonate stringers generally 1cm and at low core angles.
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**Mineralization**

From	To	Description
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57.59	70.07	2% scattered pyrite
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57.59	58.74	1.15	E5692248	0.084	84.000
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**Sublitho**

From	To	Description
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57.88	58.59	Quartz vein with chloritic inclusions and silicified volcanics.
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**Veining**

From	To	Description
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57.88	58.59	quartz vein 27 TCA
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**Alteration**

From	To	Description
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58.74	69.80	moderate carbonate alteration
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58.74	60.00	1.26	E5692249	0.003	3.000	
60.00	61.50	1.50	E5692250	0.003	3.000	
61.50	63.00	1.50	E5692251	0.003	3.000	3.000
63.00	64.50	1.50	E5692252	0.003	3.000	

**Veining**

From	To	Description
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63.16	63.66	1.2cm wide contorted quartz stringer 15 TCA,239.1/-80.5N
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64.50	66.00	1.50	E5692253	0.013	13.000
66.00	67.50	1.50	E5692254	0.003	3.000

**Veining**

From	To	Description
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66.47	66.80	quartz stringer, width 1.5cm 10 TCA,191.7/-82W
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67.50	69.00	1.50	E5692255	0.003	3.000
69.00	69.80	0.80	E5692257	0.006	6.000
		Blank	E5692256	0.003	3.000

**Lithology**

From	To	Description
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69.80	70.95	Quartz Vein. Silicified dark grey wall rock to 70.07m. Quartz vein light greyish to greyish white containing dark grey metavolcanic inclusion with 5% to 7% fine grained to euhedral
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			<i>From</i>	<i>To</i>	<i>Length</i>	<i>Sample #</i>	<i>Au</i> (avg g/t)	<i>FaGeo</i> (ppb)	<i>FaGeo2</i> (ppb)	<i>FaGrav</i> (g/t)	<i>FaGrav2</i> (g/t)	<i>Cert #</i>	<i>Metallic</i> (g/t)	<i>DUP FaGeo</i> (ppb)	<i>DUP FaGrav</i> (g/t)
pyrite, vein with 1% to 1.5% very fine to fine grained pyrite, upper contact slightly ground and with limonite staining, lower contact irregular.															
<b>Alteration</b>															
<b>From</b>	<b>To</b>	<b>Description</b>													
69.80	79.86	moderate patchy sericite alteration, moderate limonite alteration													
		69.80	70.95	1.15	E5692258	0.036	36.000								
<b>Structure</b>															
<b>From</b>	<b>To</b>	<b>Type</b>	<b>Intensity</b>	<b>Description</b>	<b>TCA</b>	<b>Strike</b>	<b>DIP</b>								
70.07	70.08	Ucnt	s		27										
<b>Mineralization</b>															
<b>From</b>	<b>To</b>	<b>Description</b>													
70.07	70.95	2% scattered pyrite													
<b>Veining</b>															
<b>From</b>	<b>To</b>	<b>Description</b>													
70.07	70.95	quartz vein 27 TCA													
<b>Lithology</b>															
<b>From</b>	<b>To</b>	<b>Description</b>													
70.95	79.86	Ultramafic Metavolcanics. Dark grey to light grey, black green comprises about 10% of core, remainder strongly altered by limonite, small minor sections with moderate to moderately strong sericitic alteration, contorted foliation with sections near to core axis, wispy carbonate stringers generally parallel to foliation giving appearance of lamination, unit has low RQD due to intense schistosity and weathering several section of rubbly core, overall 0.5% scattered fine pyrite and small blebs, strongly weathered.													
<b>Mineralization</b>															
<b>From</b>	<b>To</b>	<b>Description</b>													
70.95	72.97	1% scattered pyrite													
		70.95	72.45	1.50	E5692259	0.026	26.000								
		72.45	73.95	1.50	E5692260	0.005	5.000								
<b>Structure</b>															
<b>From</b>	<b>To</b>	<b>Type</b>	<b>Intensity</b>	<b>Description</b>	<b>TCA</b>	<b>Strike</b>	<b>DIP</b>								
72.65	78.75	BC	ms												
<b>Mineralization</b>															
<b>From</b>	<b>To</b>	<b>Description</b>													
72.97	73.32	1% scattered pyrite													
<b>Veining</b>															
<b>From</b>	<b>To</b>	<b>Description</b>													
72.97	73.32	quartz vein 20 TCA													
<b>Mineralization</b>															
<b>From</b>	<b>To</b>	<b>Description</b>													
73.32	77.26	0.5% scattered pyrite													
		73.95	75.45	1.50	E5692261	0.003	3.000								
		75.45	76.95	1.50	E5692262	0.003	3.000								
		76.95	78.45	1.50	E5692263	0.006	6.000								
<b>Mineralization</b>															
<b>From</b>	<b>To</b>	<b>Description</b>													
77.26	77.58	1% scattered pyrite													

From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
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**Veining**

From	To	Description
77.26	77.58	quartz vein 50 TCA

**Mineralization**

From	To	Description
77.58	79.86	0.5% scattered pyrite

78.45	79.86	1.41	E5692264	0.050	50.000
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**Lithology**

From	To	Description
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79.86	81.41	Quartz Carbonate Vein. Similar to above, very pale greenish milky white, opaque, scattered wispy chlorite fracture filling, with 1% very fine grained pyrite, vein contains 0.5% to 1% scattered fine grained pyrite. From 81.02m to 81.27m rafted inclusion of strong limonite altered metavolcanic inclusion.
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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79.86	79.87	Ucnt	s		80		
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**Mineralization**

From	To	Description
79.86	81.41	0.5% scattered pyrite

**Veining**

From	To	Description
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79.86	81.41	quartz carbonate vein 80 TCA no beta due to no test and broken core
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79.86	81.41	1.55	E5692265	0.171	171.000
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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81.40	81.41	Lcnt	s		37		
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**Lithology**

From	To	Description
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81.41	85.12	Ultramafic Metavolcanics. Dark grey to light grey, strongly altered by limonite, small minor sections with moderate to moderately strong sericitic alteration, contorted foliation with sections near to core axis, wispy carbonate stringers generally parallel to foliation giving appearance of lamination, unit has low RQD due to intense schistosity and weathering several section of rubby core, overall 0.5% scattered fine pyrite and small blebs, strongly weathered.
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**Mineralization**

From	To	Description
81.41	85.12	0.5% scattered pyrite

**Alteration**

From	To	Description
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81.41	85.12	moderate limonite alteration
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81.41	82.80	1.39	E5692266	0.138	138.000
82.80	84.20	1.40	E5692267	0.003	3.000
84.20	85.12	0.92	E5692268	0.010	10.000

**Lithology**

From	To	Description
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85.12	85.62	Quartz Carbonate Vein. Same as above 79.86m to 81.41m, minor chlorite fracture filling, minor amount of ultramafic metavolcanic and green fuchsite alteration, scattered small
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										Au	FaGeo	FaGeo2	FaGrav	FaGrav2	Cert #	Metallic	DUP FaGeo	DUP FaGrav	
										(avg g/t)	(ppb)	(ppb)	(g/t)	(g/t)		(g/t)	(ppb)	(g/t)	
From	To	Length	Sample #																
patches of fine grained pyrite overall 1.0%.																			
<b>Structure</b>																			
<b>From</b>	<b>To</b>	<b>Type</b>	<b>Intensity</b>	<b>Description</b>	<b>TCA</b>	<b>Strike</b>	<b>DIP</b>												
85.12	85.13	Ucnt	s	slightly irregular overall contact	40														
<b>Mineralization</b>																			
<b>From</b>	<b>To</b>	<b>Description</b>																	
85.12	85.62	1% scattered pyrite																	
<b>Veining</b>																			
<b>From</b>	<b>To</b>	<b>Description</b>																	
85.12	85.62	quartz carbonate vein 40 TCA																	
					85.12	85.62	0.50	E5692269	0.010	9.000	10.000								
<b>Structure</b>																			
<b>From</b>	<b>To</b>	<b>Type</b>	<b>Intensity</b>	<b>Description</b>	<b>TCA</b>	<b>Strike</b>	<b>DIP</b>												
85.61	85.62	Lcnt	s		40														
<b>Lithology</b>																			
<b>From</b>	<b>To</b>	<b>Description</b>																	
85.62	86.47	Ultramafic Metavolcanics. Same as above 81.41m to 85.12m, very crumbly core, strong to very strong limonite alteration, scattered 1.0% to 1.5% fine grained pyrite, brecciated fragments of quartz and quartz carbonate veining, strongly weathered.																	
<b>Mineralization</b>																			
<b>From</b>	<b>To</b>	<b>Description</b>																	
85.62	86.47	1% scattered pyrite																	
<b>Alteration</b>																			
<b>From</b>	<b>To</b>	<b>Description</b>																	
85.62	86.47	limonite alteration																	
					85.62	86.47	0.85	E5692270	0.014	14.000									
<b>Structure</b>																			
<b>From</b>	<b>To</b>	<b>Type</b>	<b>Intensity</b>	<b>Description</b>	<b>TCA</b>	<b>Strike</b>	<b>DIP</b>												
85.93	86.47	BC	s																
<b>Lithology</b>																			
<b>From</b>	<b>To</b>	<b>Description</b>																	
86.47	86.77	Lost Core.																	
					86.47	86.77	0.30	LC	0.001										
<b>Lithology</b>																			
<b>From</b>	<b>To</b>	<b>Description</b>																	
86.77	88.77	Ultramafic Metavolcanic. Same as above 81.41m to 85.12m, very crumbly core, strong to very strong limonite alteration, scattered 1.0% to 1.5% fine grained pyrite, brecciated fragments of quartz and quartz carbonate veining, strongly weathered.																	
<b>Mineralization</b>																			
<b>From</b>	<b>To</b>	<b>Description</b>																	
86.77	88.77	1% scattered pyrite																	
<b>Alteration</b>																			
<b>From</b>	<b>To</b>	<b>Description</b>																	
86.77	88.77	moderate limonite alteration																	
					86.77	87.77	1.00	E5692272	0.043	43.000									

From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
		Standard 203	E5692271	0.864	864.000							
87.77	88.77	1.00	E5692273	0.048	48.000							

**Lithology**

From	To	Description
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88.77	95.65	Grey Carbonated Ultramafic Metavolcanics. Alteration upper contact. 88.77m to 89.55m buff to pale yellowish green buff due to weak pervasive sericitic alteration. 89.55m onwards grey carbonated ultramafic metavolcanics. Aphanitic to fine grained, massive, homogeneous, nil to very weak development of foliation, very weakly carbonated, mixed quartz stringers and quartz carbonate stringers randomly orientated stockwork with brecciation appearance overall 40%, scattered to locally disseminated 1.0% to 2.0% fine grained pyrite local small patches up to 5%, few scattered quartz stringers with pyrite mineralization, non-magnetic, hard to very hard silicified. strong limonite weathering from 93.54m to 94.61m.
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**Mineralization**

From	To	Description
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88.77	95.65	2% scattered pyrite
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**Alteration**

From	To	Description
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88.77	89.55	moderate patchy sericite alteration, moderate pervasive silicification
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88.77	90.27	1.50	E5692274	0.046	46.000
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**Alteration**

From	To	Description
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89.55	93.54	moderate pervasive silicified, weak to moderate carbonate alteration
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90.27	91.77	1.50	E5692275	0.124	124.000
91.77	93.27	1.50	E5692276	0.776	776.000
93.27	94.60	1.33	E5692277	0.936	936.000

**Alteration**

From	To	Description
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93.54	94.61	moderate limonite alteration
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94.60	95.65	1.05	E5692278	7.943	4230.000	5.600	2.770	4.360
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**Alteration**

From	To	Description
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94.61	95.65	moderate pervasive silicified, weak to moderate carbonate alteration
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**Lithology**

From	To	Description
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95.65	96.93	Felsic Intrusive. Light grey, speckled with very fine grained mica, fine to medium grained, massive, uniform, homogeneous, void of foliation, very rare veining less than 1.0% overall, hard, siliceous, weakly disseminated 2% to 3% fine grained and bleb pyrite, non-magnetic, hard to very hard.
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**Mineralization**

From	To	Description
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95.65	96.93	3% disseminated pyrite
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**Alteration**

From	To	Description
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95.65	96.93	moderate pervasive silicification
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95.65	96.93	1.28	E5692279	2.390	2390.000
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From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
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**Lithology**

From	To	Description
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96.93	98.48	Grey Carbonated Ultramafic Metavolcanics. Similar to above, massive grey carbonate with section of strong limonite alteration and weathering from 96.93m to 97.84m, 98.07m to 98.48m, weak to patch moderate sericite alteration, scattered 1% fine pyrite, rare quartz carbonate stringers 0.5% overall.
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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96.93	97.94	BC	m	two sections			
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**Mineralization**

From	To	Description
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96.93	98.48	1% scattered pyrite
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**Alteration**

From	To	Description
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96.93	98.48	moderate patchy sericite alteration, weak to moderate carbonate alteration
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96.93	98.48	1.55	E5692280	0.014	14.000
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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98.36	98.45	BC	s	rubble			
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**Lithology**

From	To	Description
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98.48	100.22	Grey Green Carbonate Ultramafic Metavolcanic. Light to medium grey to light greenish grey, fine to medium grained, poor development of foliation, scattered irregular quartz and quartz carbonate stringers randomly orientated overall 3%, moderately strong carbonate alteration, very minor patches of fuchsite alteration, scattered fine grained 1% pyrite, non-magnetic, moderately hard to hard, contacts gradational.
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**Mineralization**

From	To	Description
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98.48	100.22	1% scattered pyrite
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**Alteration**

From	To	Description
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98.48	100.22	moderate carbonate alteration
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98.48	99.35	0.87	E5692281	0.023	23.000
99.35	100.22	0.87	E5692282	0.003	3.000

**Lithology**

From	To	Description
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100.22	105.52	Green Carbonate. Bright green, fuchsite, fine to medium grained, scattered chlorite fracture filling, void of foliation, moderate carbonate alteration. Sections of limonite alteration from 100.98m to 101.20m, 101.57m to 101.86m, 103.37m to 103.73m, 103.96m to 104.76m. Scattered fine grained to small patches of pyrite, overall 1.0%, minor pyrite in some stringers less than 1%. Randomly orientated, contorted and displaced quartz stringers and quartz carbonate stringers general 2mm to 5mm and rare veinlets of 1cm width, overall 5% to 7%. Nil to very weakly magnetic, Moderately soft to moderately hard. Local limonite alteration and weathering.
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**Mineralization**

From	To	Description
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100.22	105.52	1% scattered pyrite
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From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
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**Alteration**

From	To	Description
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100.22	105.52	moderate fuchsite alteration
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100.22	101.50	1.28	E5692283	0.003	3.000							
101.50	102.80	1.30	E5692284	0.005	5.000							

**Veining**

From	To	Description
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102.58	102.70	quartz carbonate stringer, width 0.5cm 20 TCA,229.1/-45.1W
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102.80	104.20	1.40	E5692285	0.007	7.000							
104.20	105.52	1.32	E5692287	0.003	3.000							
		Blank	E5692286	0.003	3.000	3.000						

**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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104.25	104.42	BC	s	rubble			
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**Veining**

From	To	Description
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104.87	104.98	quartz vein, width 1.5cm 35 TCA,287.6/-53.2N
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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105.51	105.52	Lcnt	ms	irregular	60		
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**Mineralization**

From	To	Description
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105.52	109.20	1% scattered pyrite
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**Alteration**

From	To	Description
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105.52	106.66	moderate carbonate alteration
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105.52	107.00	1.48	E5692288	0.012	12.000							
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**Lithology**

From	To	Description
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105.52	109.20	Grey Green Carbonate. Similar to above, grey carbonate to grey green carbonate, fine grained, minor small sections of limonite alteration, pale buff bleaching from 106.66m to 107.31m, overall 3% to 5% quartz carbonate veining, scattered to poorly disseminated fine grained pyrite overall 1%.
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**Alteration**

From	To	Description
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106.66	107.31	moderate carbonate, moderate pervasive bleaching
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107.00	108.50	1.50	E5692289	0.006	6.000							
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**Alteration**

From	To	Description
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107.31	109.20	moderate carbonate alteration
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108.50	109.20	0.70	E5692290	0.003	3.000							
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**Lithology**

From	To	Description
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109.20	119.98	Gabbro. Blackish to very dark greenish black, medium to coarse grained, plagioclase crystals, gabbroic texture, void of foliation, massive and generally homogeneous,
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uniform, scattered large pink carbonate quartz veins at 10 TCA to 18 TCA 1.5cm to 3.0cm wide, few scattered wispy contorted carbonate stringers, overall veining 3% locally up to 10%, nil to very poor development of carbonate alteration, nil to trace sulphides, weak magnetic, moderately hard.

From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
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**Mineralization**

From	To	Description
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109.20	119.98	0.3% scattered pyrite
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**Alteration**

From	To	Description
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109.20	119.98	moderate carbonate alteration
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109.20	110.75	1.55	E5692291	0.014	14.000
110.75	112.28	1.53	E5692292	0.003	3.000

**Veining**

From	To	Description
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112.28	112.57	quartz carbonate vein, width 5cm 18 TCA,319.1/-38.4E
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112.28	113.85	1.57	E5692293	0.005	5.000
113.85	115.40	1.55	E5692294	0.013	19.000 7.000
115.40	116.95	1.55	E5692295	0.003	3.000

**Veining**

From	To	Description
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116.14	116.79	quartz carbonate stringer, width 2cm, 10 TCA low angle, sinuous and displaced
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116.95	118.50	1.55	E5692296	0.003	3.000
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**Veining**

From	To	Description
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117.20	117.72	quartz carbonate stringer, width 1.5cm, 10 TCA low angle, sinuous and displaced
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118.50	119.98	1.48	E5692297	0.003	3.000
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**Lithology**

From	To	Description
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119.98	122.94	Mafic Dykes. Fine grained in small dykes and at contacts to fine to medium grained in large dykes, medium to darkish grey, distinct and sharp contacts, dyke swarm, with sections of contorted carbonated black green ultramafic metavolcanics, few to rare quartz carbonate fracture filling stringers in dykes, numerous quartz carbonate contorted and displaced stringers in ultramafic metavolcanics, nil to trace sulphides in dykes, trace to 0.5% pyrite in metavolcanics, nil to very weak magnetics, moderately hard to moderately soft.
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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119.98	119.98	Lcnt	ms	contact sinuous			15
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**Mineralization**

From	To	Description
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119.98	122.94	0.3% scattered pyrite
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**Alteration**

From	To	Description
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119.98	122.94	moderate carbonate alteration
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119.98	121.48	1.50	E5692298	0.003	3.000
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From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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120.58	120.59	Lcnt	ms	lower contact of mafic dyke, broken	15		
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121.48	122.94	1.46	E5692299	0.014	14.000		
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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121.95	121.96	Ucnt	s	mafic dyke	20	328.6	-38.3
122.17	122.18	Lcnt	s	mafic dyke	37	288.9	-16.1
122.65	122.66	Ucnt	s	mafic dyke, contact sinuous	22	288.9	-31.1
122.93	122.94	Lcnt	s	mafic dyke	45	331.3	-10.4

**Lithology**

From	To	Description
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122.94	124.52	Ultramafic Metavolcanics. Fine grained to locally fine to medium grained, medium to dark grey, massive small sections and sections of extreme quartz and or carbonate contorted and displaced stringers, overall 3% veining, locally moderate development of foliation overprinted by stringers approximately 40 TCA, trace to 0.5% fine grained scattered pyrite, nil to very weak magnetics, moderately soft.
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**Mineralization**

From	To	Description
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122.94	124.52	0.5% scattered pyrite
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**Alteration**

From	To	Description
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122.94	124.52	moderate carbonate alteration
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122.94	124.52	1.58	E5692301	0.005	5.000
		Standard 17c	E5692300	3.150	3150.000

**Lithology**

From	To	Description
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124.52	148.22	Grey Carbonate Ultramafic Metavolcanics. Grey to grey green carbonated ultramafic metavolcanics, aphanitic to fine grained, massive, homogeneous, mixed sections of moderate development of foliation locally generally at 30 to 40 TCA and poor development of foliation with local sections of contorted foliation, weakly carbonated, mixed quartz stringers and quartz carbonate stringers randomly orientated stockwork with local brecciation appearance with numerous contorted and displaced stringer fragments from 2mm up to 5cm overall 20%, scattered to locally disseminated 0.5% to 1.0% fine grained pyrite, few scattered quartz stringers with pyrite mineralization, non-magnetic, hard to very hard silicified. Strong limonite alteration and weathering from 124.73m to 124.92m, 135.55m to 135.75m. Intersected old drill hole from 143.34m to 143.41m.
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**Mineralization**

From	To	Description
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124.52	138.19	1% scattered pyrite
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**Alteration**

From	To	Description
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124.52	126.10	moderate carbonate alteration
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124.52	126.00	1.48	E5692302	0.015	15.000	
	126.00	127.50	1.50	E5692303	0.034	34.000

**Alteration**

From	To	Description
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126.27	127.34	moderate carbonate, moderate pervasive bleaching
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<i>From</i>	<i>To</i>	<i>Length</i>	<i>Sample #</i>	<i>Au</i> (avg g/t)	<i>FaGeo</i> (ppb)	<i>FaGeo2</i> (ppb)	<i>FaGrav</i> (g/t)	<i>FaGrav2</i> (g/t)	<i>Cert #</i>	<i>Metallic</i> (g/t)	<i>DUP FaGeo</i> (ppb)	<i>DUP FaGrav</i> (g/t)
127.50	129.00	1.50	E5692304	10.433			9.120	9.040				

**Alteration**

<i>From</i>	<i>To</i>	<i>Description</i>
128.04	128.83	moderate carbonate, moderate pervasive bleaching
128.83	148.22	moderate carbonate alteration

129.00	130.50	1.50	E5692305	0.016	16.000
130.50	131.70	1.20	E5692306	0.338	338.000

**Sublitho**

<i>From</i>	<i>To</i>	<i>Description</i>
131.70	132.44	Mafic Dyke. Fine to medium grained, light grey, equigranular, massive, uniform, homogeneous, few fracture filling quartz carbonate stringers 1mm to 2mm, void of foliation, sharp contacts at 45 TCA and 35 TCA (upper and lower contacts), non-carbonated, moderately hard, nil to trace sulphides, non-magnetic.

131.70	132.44	0.74	E5692307	0.006	6.000
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**Structure**

<i>From</i>	<i>To</i>	<i>Type</i>	<i>Intensity</i>	<i>Description</i>	<i>TCA</i>	<i>Strike</i>	<i>DIP</i>
132.43	132.44	Lcnt	s	lower contact of mafic dyke	40	226.7	-21.4

132.44	133.90	1.46	E5692308	6.745	6350.000	7.140	7.330
133.90	135.35	1.45	E5692309	0.036	36.000		

**Veining**

<i>From</i>	<i>To</i>	<i>Description</i>
134.52	134.60	quartz carbonate vein, width 5cm, 60 TCA, 191.7/-82W lower contact

135.35	136.80	1.45	E5692310	0.088	88.000
136.80	138.19	1.39	E5692311	0.003	3.000

**Sublitho**

<i>From</i>	<i>To</i>	<i>Description</i>
138.19	138.71	Felsic Dyke. Aphanitic to fine grained, light brown, massive, uniform, homogeneous, void of foliation, minimum of two generations of quartz carbonate stringers 2mm to 3mm contorted and discontinuous randomly orientated overall 10% veining, siliceous, hard to very hard, disseminated 5% to 7% very fine to fine grained pyrite, non-magnetic. Sharp contacts at 60 TCA.

**Structure**

<i>From</i>	<i>To</i>	<i>Type</i>	<i>Intensity</i>	<i>Description</i>	<i>TCA</i>	<i>Strike</i>	<i>DIP</i>
138.19	138.20	Ucnt	s	felsic dyke	60	55.2	-32.5

**Mineralization**

<i>From</i>	<i>To</i>	<i>Description</i>
138.19	138.71	7% disseminated pyrite

138.19	138.71	0.52	E5692312	1.630	1630.000
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**Structure**

<i>From</i>	<i>To</i>	<i>Type</i>	<i>Intensity</i>	<i>Description</i>	<i>TCA</i>	<i>Strike</i>	<i>DIP</i>
138.70	138.71	Lcnt	s	felsic dyke	60	52.3	-22.6

**Mineralization**

<i>From</i>	<i>To</i>	<i>Description</i>
138.71	148.22	1% scattered pyrite

138.71	140.20	1.49	E5692313	0.089	89.000
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From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
140.20	141.70	1.50	E5692314	0.511	511.000							
141.70	143.20	1.50	E5692315	0.039	39.000							
143.20	144.70	1.50	E5692316	0.003	3.000							
144.70	146.20	1.50	E5692317	0.016	16.000							

**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
145.36	145.37	Ucnt	s	upper contact of tuffaceous unit	50	350.9	-7.2

**Sublitho**

From	To	Description
145.37	145.81	Fine grained tuffaceous unit, good development of bedding at 40 and 30 TCA upper and lower contacts.

**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
145.80	145.81	Lcnt		lower contact of tuffaceous unit	30	310.1	-24.9

146.20	147.20	1.00	E5692319	0.028	28.000
		Blank	E5692318	0.003	3.000
147.20	148.23	1.03	E5692320	0.047	47.000

**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
148.21	148.22	Lcnt	ms	lower contact of Grey Carbonate - Ultramafic Metavolcanics	45	352.8	-15.6

**Lithology**

From	To	Description
148.22	159.78	Carbonated Talcose Chlorite Schist. Fine to medium grained, dark grey and black green, moderate to strongly foliated generally at 50 to 60 TCA, rare quartz carbonate veining generally parallel to foliation, intense carbonate fracture filling carbonate stringers, local sections appearance of brecciation overall 5%, moderate to locally strong carbonate alteration, scattered to weakly disseminated fine grained to locally bleb to subhedral pyrite overall 1%, generally weak to weak-moderate magnetic, moderately soft, unweathered.

**Mineralization**

From	To	Description
148.22	159.78	1% scattered pyrite

**Alteration**

From	To	Description
148.22	159.78	carbonated and moderate talc alteration

148.23	149.75	1.52	E5692321	0.012	12.000	
149.75	151.25	1.50	E5692322	0.003	3.000	
151.25	152.75	1.50	E5692323	0.003	3.000	
152.75	154.25	1.50	E5692324	0.006	6.000	
154.25	155.75	1.50	E5692325	0.006	3.000	9.000
155.75	157.25	1.50	E5692326	0.007	7.000	
157.25	158.75	1.50	E5692327	0.015	15.000	
158.75	159.78	1.03	E5692328	0.078	78.000	

**Lithology**

From	To	Description
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			<b>From</b>	<b>To</b>	<b>Length</b>	<b>Sample #</b>	<b>Au (avg g/t)</b>	<b>FaGeo (ppb)</b>	<b>FaGeo2 (ppb)</b>	<b>FaGrav (g/t)</b>	<b>FaGrav2 (g/t)</b>	<b>Cert #</b>	<b>Metallic (g/t)</b>	<b>DUP FaGeo (ppb)</b>	<b>DUP FaGrav (g/t)</b>	
159.78	188.12	Grey Green Carbonate Ultramafic Metavolcanics. Fine grained, grey to grey green, generally poor development of foliation locally appearance of foliation due to laminations of chlorite, scattered 5mm to 2cm quartz carbonate veining alpha=75 beta=250 overall 5%, scattered contorted and discontinuous quartz carbonate and carbonate stringer and veinlet fragments overall 10%, moderately strong carbonate alteration, scattered to disseminated very fine grained pyrite overall 2%, nil to very weak magnetic, moderately soft to moderately hard, rare small sections of limonite alteration and weathering from 163.96m to 164.07m.														

**Structure**

<b>From</b>	<b>To</b>	<b>Type</b>	<b>Intensity</b>	<b>Description</b>	<b>TCA</b>	<b>Strike</b>	<b>DIP</b>
159.78	159.79	Ucnt	s		27	325.9	-30.6

**Mineralization**

<b>From</b>	<b>To</b>	<b>Description</b>
159.78	186.30	2% disseminated pyrite

**Alteration**

<b>From</b>	<b>To</b>	<b>Description</b>
159.78	177.58	moderate carbonate alteration

159.78	161.25	1.47	E5692329	0.072	72.000	
161.25	162.75	1.50	E5692330	0.403	403.000	
162.75	164.25	1.50	E5692331	0.113	113.000	
164.25	165.75	1.50	E5692333	0.151	151.000	
		<i>Standard 201</i>	E5692332	<i>0.507</i>	<i>507.000</i>	
165.75	167.25	1.50	E5692334	0.022	22.000	
167.25	168.75	1.50	E5692335	0.009	9.000	
168.75	170.25	1.50	E5692336	0.005	5.000	
170.25	171.75	1.50	E5692337	0.003	3.000	
171.75	173.25	1.50	E5692338	0.016	16.000	
173.25	174.75	1.50	E5692339	0.044	45.000	43.000
174.75	176.25	1.50	E5692340	0.003	3.000	
176.25	177.75	1.50	E5692341	0.003	3.000	

**Alteration**

<b>From</b>	<b>To</b>	<b>Description</b>
177.58	177.95	moderate limonite alteration

177.75	179.25	1.50	E5692342	0.003	3.000	
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**Alteration**

<b>From</b>	<b>To</b>	<b>Description</b>
177.95	186.30	moderate carbonate alteration

179.25	180.75	1.50	E5692343	0.008	8.000	
180.75	182.25	1.50	E5692344	0.003	3.000	
182.25	183.75	1.50	E5692345	0.033	33.000	
183.75	185.25	1.50	E5692347	0.043	43.000	
		<i>Standard 203</i>	E5692346	<i>0.907</i>	<i>907.000</i>	
185.25	186.30	1.05	E5692348	0.215	215.000	

**Mineralization**

<b>From</b>	<b>To</b>	<b>Description</b>
186.30	188.12	0.3% pyrite

From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
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**Alteration**

From	To	Description
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186.30	188.12	moderate limonite alteration
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186.30	187.20	0.90	E5692349	0.112	112.000							
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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187.20	188.12	BC	s	rubble core in strong limonite alteration suspected shear or fault zone			
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187.20	188.12	0.92	E5692350	1.320	1320.000							
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**Lithology**

From	To	Description
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188.12	196.30	Green Carbonate. Bright green, fuchsite, fine to medium grained, scattered chlorite fracture filling, void to very poor development of foliation, moderate carbonate alteration. Scattered fine grained to small patches of pyrite, overall 1.0%, minor pyrite in some stringers less than 1%. Randomly orientated, contorted and displaced quartz stringers and quartz carbonate stringers general 2mm to 5mm and rare veinlets of 1cm width, overall 2%. Nil to very weakly magnetic, Moderately soft to moderately hard.
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**Mineralization**

From	To	Description
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188.12	196.42	1% disseminated pyrite
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**Alteration**

From	To	Description
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188.12	196.42	moderate fuchsite alteration
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188.12	189.60	1.48	E5692351	0.474	474.000		
189.60	191.10	1.50	E5692352	0.709	709.000		
191.10	192.60	1.50	E5692353	1.010	1010.000		
192.60	194.10	1.50	E5692354	0.999	999.000		
194.10	195.25	1.15	E5692355	3.165	3440.000	2.890	
195.25	196.42	1.17	E5692356	0.247	247.000		

**Lithology**

From	To	Description
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196.30	198.94	Felsic Intrusive. Light grey, aphanitic to fine to medium grained, massive, uniform, homogeneous with rafted green carbonate from 196.55m to 196.72m, 197.19m to 197.27m on one side of core and 197.74m to 198.18m, void of foliation, rare greyish quartz and chlorite fracture filling stringers generally 1mm to 3mm containing 3% to 5% fine to bleb pyrite overall 1%, hard, siliceous, weakly disseminated 7% to 10% fine grained and bleb pyrite, non-magnetic, hard to very hard.
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**Mineralization**

From	To	Description
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196.42	198.94	10% disseminated pyrite
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**Alteration**

From	To	Description
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196.42	198.94	moderate pervasive silicified, weak to moderate carbonate alteration
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196.42	197.74	1.32	E5692357	8.060	8940.000	7.350	7.890
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**Sublitho**

From	To	Description
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197.74	198.18	Green Carbonate. Typical green carbonate as above, trace to 1% scattered
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fine pyrite.

From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
197.74	198.94	1.20	E5692358	3.260	3310.000		3.210					

**Lithology**

From	To	Description
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198.94	200.60	Mafic Dykes. Fine grained in small dykes and at contacts to fine to medium grained in large dykes, medium to darkish grey, distinct and sharp contacts, dyke swarm, with sections of contorted carbonated black green ultramafic metavolcanics and grey carbonate, few to rare quartz carbonate fracture filling stringers in dykes, numerous quartz carbonate contorted and displaced stringers in ultramafic metavolcanics, 1% fine to medium grained pyrite in dykes, trace to 0.5% pyrite in metavolcanics, nil to very weak magnetics, moderately hard to moderately soft.
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**Mineralization**

From	To	Description
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198.94	200.60	1% scattered pyrite
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**Alteration**

From	To	Description
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198.94	200.60	moderate carbonate alteration
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198.94	200.60	1.66	E5692359	3.845	3960.000		3.730
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**Lithology**

From	To	Description
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200.60	201.87	Grey Green Carbonate Ultramafic Metavolcanics. Same as above, 159.78m to 188.12m.
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**Mineralization**

From	To	Description
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200.60	201.87	1% scattered pyrite
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**Alteration**

From	To	Description
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200.60	201.87	moderate carbonate alteration
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200.60	201.87	1.27	E5692360	0.110	121.000	99.000
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**Veining**

From	To	Description
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201.18	201.50	quartz carbonate vein upper contact low angle and contorted, lower angle at 40 TCA
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
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201.49	201.50	Lcnt	s		40		
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201.86	201.87	Ucnt	s		10		
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**Lithology**

From	To	Description
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201.87	202.54	Mafic Dyke. Light grey, speckled with very fine grained mica, fine to medium grained, massive, uniform, homogeneous, void of foliation, very rare veining less than 1.0% overall, hard, siliceous, weakly disseminated 5% to 7% fine grained and bleb pyrite, non-magnetic, hard to very hard.
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**Mineralization**

From	To	Description
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201.87	202.54	10% disseminated pyrite
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**Alteration**

From	To	Description
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<i>From</i>	<i>To</i>	<i>Length</i>	<i>Sample #</i>	<i>Au</i> (avg g/t)	<i>FaGeo</i> (ppb)	<i>FaGeo2</i> (ppb)	<i>FaGrav</i> (g/t)	<i>FaGrav2</i> (g/t)	<i>Cert #</i>	<i>Metallic</i> (g/t)	<i>DUP FaGeo</i> (ppb)	<i>DUP FaGrav</i> (g/t)
205.13	206.63	1.50	E5692366	0.087	87.000							
206.63	208.07	1.44	E5692367	0.008	8.000							

**Lithology**

<i>From</i>	<i>To</i>	<i>Description</i>
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208.07	213.99	Sericitic Grey Carbonate Ultramafic Metavolcanic. Buff to khaki to light greyish buff green, weak pervasive to small sections of moderate to moderately strong sericitic pervasive alteration, overall 1 % quartz carbonate stringers to veinlets, scattered fine grained and bleb pyrite overall 2%, hard, siliceous, non-magnetic. Brecciated section from 209.07m to 209.93m width of 4.0cm, low irregular contacts at 20 and 10 TCA. Trace to 1% scattered fine grained pyrite.
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**Mineralization**

<i>From</i>	<i>To</i>	<i>Description</i>
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208.07	213.99	1% scattered pyrite
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**Alteration**

<i>From</i>	<i>To</i>	<i>Description</i>
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208.07	213.99	moderate pervasive sericite alteration, carbonate alteration
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208.07	209.50	1.43	E5692368	1.470	1470.000		
209.50	211.00	1.50	E5692369	3.200	3100.000	3.300	
211.00	212.50	1.50	E5692370	2.150	2150.000		
212.50	213.99	1.49	E5692371	1.430	1430.000		

**Structure**

<i>From</i>	<i>To</i>	<i>Type</i>	<i>Intensity</i>	<i>Description</i>	<i>TCA</i>	<i>Strike</i>	<i>DIP</i>
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212.98	213.99	Lcnt	s		42		
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**Lithology**

<i>From</i>	<i>To</i>	<i>Description</i>
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213.99	220.82	Grey Green Carbonate Ultramafic Metavolcanics. Same as above, 159.78m to 188.12m, overall scattered 1% fine pyrite, overall 3% quartz carbonate veining generally 1cm to 2cm veinlets.
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**Mineralization**

<i>From</i>	<i>To</i>	<i>Description</i>
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213.99	220.82	1% scattered pyrite
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**Alteration**

<i>From</i>	<i>To</i>	<i>Description</i>
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213.99	220.82	weak to moderate carbonate alteration
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213.99	215.50	1.51	E5692372	2.980	2790.000	3170.000	
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**Veining**

<i>From</i>	<i>To</i>	<i>Description</i>
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214.78	215.01	laminated quartz vein, width 12cm, 25 TCA irregular contacts
215.40	215.45	quartz vein 40 TCA,340.3/-19.9E

215.50	217.00	1.50	E5692373	0.883	883.000		
217.00	218.50	1.50	E5692375	0.398	398.000		
			<i>Standard 17c</i>	<i>E5692374</i>	<i>3.160</i>	<i>3160.000</i>	
218.50	219.75	1.25	E5692376	0.564	564.000		

**Veining**

<i>From</i>	<i>To</i>	<i>Description</i>
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218.58	218.76	quartz vein, width 1.5cm, 15 TCA contorted
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From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
219.75	220.82	1.07	E5692377	0.024	24.000							

**Lithology**

From	To	Description
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220.82	224.50	Sericitic Grey Carbonate Ultramafic Metavolcanic. Same as above, 218.07m to 213.99m, overall 2% scattered fine grained pyrite, overall 1% quartz carbonate stringers.
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**Mineralization**

From	To	Description
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220.82	224.50	2% scattered pyrite
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**Alteration**

From	To	Description
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220.82	224.50	moderate pervasive sericite alteration, weak to moderate carbonate alteration
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220.82	222.00	1.18	E5692378	0.055	55.000
222.00	223.25	1.25	E5692379	0.025	25.000
223.25	224.50	1.25	E5692380	0.017	17.000

**Lithology**

From	To	Description
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224.50	230.58	Grey Green Carbonate Ultramafic Metavolcanics. Same as above, 213.99m to 220.82m, overall scattered fine grained pyrite.
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**Mineralization**

From	To	Description
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224.50	230.58	1% scattered pyrite
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**Alteration**

From	To	Description
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224.50	230.58	weak to moderate carbonate alteration
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224.50	226.00	1.50	E5692381	0.006	6.000
226.00	227.50	1.50	E5692382	0.017	17.000
227.50	229.00	1.50	E5692383	0.013	13.000
229.00	230.58	1.58	E5692384	0.114	114.000

**Lithology**

From	To	Description
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230.58	305.34	Carbonated Talcose Chlorite Schist. Fine to medium grained, dark grey and black green, moderate to strongly foliated generally at 50 to 60 TCA, rare quartz carbonate veining generally parallel to foliation, intense carbonate fracture filling carbonate stringers overall 1%, local sections appearance of brecciation overall 5%, moderate to locally strong carbonate alteration, scattered to weakly disseminated fine grained to locally bleb to subhedral pyrite locally up to 2% overall 1%, generally weak to weak-moderate magnetic, moderately soft, unweathered. Mixed grey carbonate and talc chlorite schist from 230.58m to 232.00m. Intense shearing from 266.38m to 268.03m, 275.90m to 277.59m, 278.84m to 285.81m, shear breccia from 303.88m to 304.52m.
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**Mineralization**

From	To	Description
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230.58	305.34	1% scattered pyrite
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**Alteration**

From	To	Description
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230.58	305.34	moderate talc alteration
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230.58	232.00	1.42	E5692385	0.003	3.000
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<i>From</i>	<i>To</i>	<i>Length</i>	<i>Sample #</i>	<i>Au</i> (avg g/t)	<i>FaGeo</i> (ppb)	<i>FaGeo2</i> (ppb)	<i>FaGrav</i> (g/t)	<i>FaGrav2</i> (g/t)	<i>Cert #</i>	<i>Metallic</i> (g/t)	<i>DUP FaGeo</i> (ppb)	<i>DUP FaGrav</i> (g/t)
232.00	233.00	1.00	E5692386	0.003	3.000							
233.00	234.00	1.00	E5692387	0.003	3.000							

**Structure**

<i>From</i>	<i>To</i>	<i>Type</i>	<i>Intensity</i>	<i>Description</i>	<i>TCA</i>	<i>Strike</i>	<i>DIP</i>
266.38	268.03	SZ	s		40		
275.90	277.59	SZ	s		20		
278.84	285.81	SZ	s		40		
303.88	303.89	Ucnt	s	upper contact of shear breccia	35		
304.51	304.52	Lcnt	s	lower contact of shear breccia	35		

**Lithology**

<i>From</i>	<i>To</i>	<i>Description</i>
305.34	307.69	Diabase Dyke. Fine grained, black dark brown, void of foliation, massive, homogeneous, uniform, void of any stringers or veining, nil sulphide mineralization, moderately magnetic, hard, void of weathering, poor RQD from 306.46m to 306.77m rubble and possible fault zone. Upper contact sharp at 42 TCA, lower contact sharp sinuous and irregular.

**Structure**

<i>From</i>	<i>To</i>	<i>Type</i>	<i>Intensity</i>	<i>Description</i>	<i>TCA</i>	<i>Strike</i>	<i>DIP</i>
305.34	305.35	Ucnt	s		42	355.2	-24

**Mineralization**

<i>From</i>	<i>To</i>	<i>Description</i>
305.34	307.69	0% pyrite

**Structure**

<i>From</i>	<i>To</i>	<i>Type</i>	<i>Intensity</i>	<i>Description</i>	<i>TCA</i>	<i>Strike</i>	<i>DIP</i>
306.46	306.77	BC	s				

**Lithology**

<i>From</i>	<i>To</i>	<i>Description</i>
307.69	314.24	Carbonated Talcose Chlorite Schist. Same as 230.58m to 305.34, sections of massive poorly developed foliation and sections with moderate development of foliation at 40 TCA, local section of foliation near parallel to core axis, scattered 1% fine grained to rare euhedral 2mm to 5mm pyrite, brecciated from 307.68m to 309.08m, rare carbonate fracture filling less than 1% overall, rare small quartz carbonate veining, silicified sections with patches of sub-rounded quartz fragments.

**Mineralization**

<i>From</i>	<i>To</i>	<i>Description</i>
307.69	314.24	1% scattered pyrite

**Alteration**

<i>From</i>	<i>To</i>	<i>Description</i>
307.69	312.40	moderate talc alteration

**Veining**

<i>From</i>	<i>To</i>	<i>Description</i>
311.28	311.49	quartz carbonate vein, width 5cm, 25 TCA slightly sinuous contacts

**Alteration**

<i>From</i>	<i>To</i>	<i>Description</i>
312.40	312.63	moderate pervasive silicification
312.63	313.00	moderate talc alteration
313.00	313.57	moderate pervasive silicification
313.57	314.24	moderate talc alteration

From	To	Length	Sample #	Au (avg g/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (g/t)	FaGrav2 (g/t)	Cert #	Metallic (g/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
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**Lithology**

From	To	Description
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314.24	315.02	Diabase Dyke. Same as above, 305.34m to 307.69m.
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
314.24	314.25	Ucnt	s		75	82.9	-26.1
315.01	315.02	Lcnt	s		60	63.3	-43.6

**Lithology**

From	To	Description
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315.02	316.26	Carbonated Talcose Chlorite Schist. Same as 307.69m to 314.24m.
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**Mineralization**

From	To	Description
315.02	316.26	1% scattered pyrite

**Alteration**

From	To	Description
315.02	316.26	moderate talc alteration

**Lithology**

From	To	Description
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316.26	322.12	Diabase Dyke. Same as above, 305.34m to 307.69m.
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**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
316.26	316.27	Ucnt	s		35	345.6	-29.6
322.11	322.12	Lcnt	s		45		

**Lithology**

From	To	Description
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322.12	336.40	Carbonated Talcose Chlorite Schist. Same as 307.69m to 314.24m, numerous shear zones 30, 45, 60 TCA, locally foliation parallel to core axis.
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**Mineralization**

From	To	Description
322.12	336.40	1% scattered pyrite

**Alteration**

From	To	Description
322.12	336.40	moderate talc alteration

**Structure**

From	To	Type	Intensity	Description	TCA	Strike	DIP
322.22	322.23	Ucnt	s		30		
322.23	324.58	SZ	s		30		
324.58	324.59	Lcnt	s		35		
326.55	327.50	SZ	s		60		
330.03	330.28	SZ	s		45		
330.49	330.88	SZ	s		30		
332.50	332.68	SZ	s		30		

**Lithology**

From	To	Description
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			<i>From</i>	<i>To</i>	<i>Length</i>	<i>Sample #</i>	<i>Au</i> (avg g/t)	<i>FaGeo</i> (ppb)	<i>FaGeo2</i> (ppb)	<i>FaGrav</i> (g/t)	<i>FaGrav2</i> (g/t)	<i>Cert #</i>	<i>Metallic</i> (g/t)	<i>DUP FaGeo</i> (ppb)	<i>DUP FaGrav</i> (g/t)	
336.40	338.98	Diabase Dyke. Same as above, 305.34m to 307.69m, weak-moderate magnetic, hard to very hard, patchy small blebs and fine grained pyrite locally 2% overall 0.5%, large sections of opaque white quartz carbonate veining with chlorite inclusions void of sulphides overall 30%.														

**Mineralization**

**From To Description**

336.40 338.98 0.5% blebby pyrite

336.40 337.50 1.10 E5692388 0.003 3.000

**Veining**

**From To Description**

336.96 337.45 quartz carbonate vein 20 TCA,56.4/-88.4E

337.50 338.98 1.48 E5692389 0.003 3.000

**Veining**

**From To Description**

337.80 338.53 quartz carbonate vein 15 TCA,290.9/-56.6N

**Lithology**

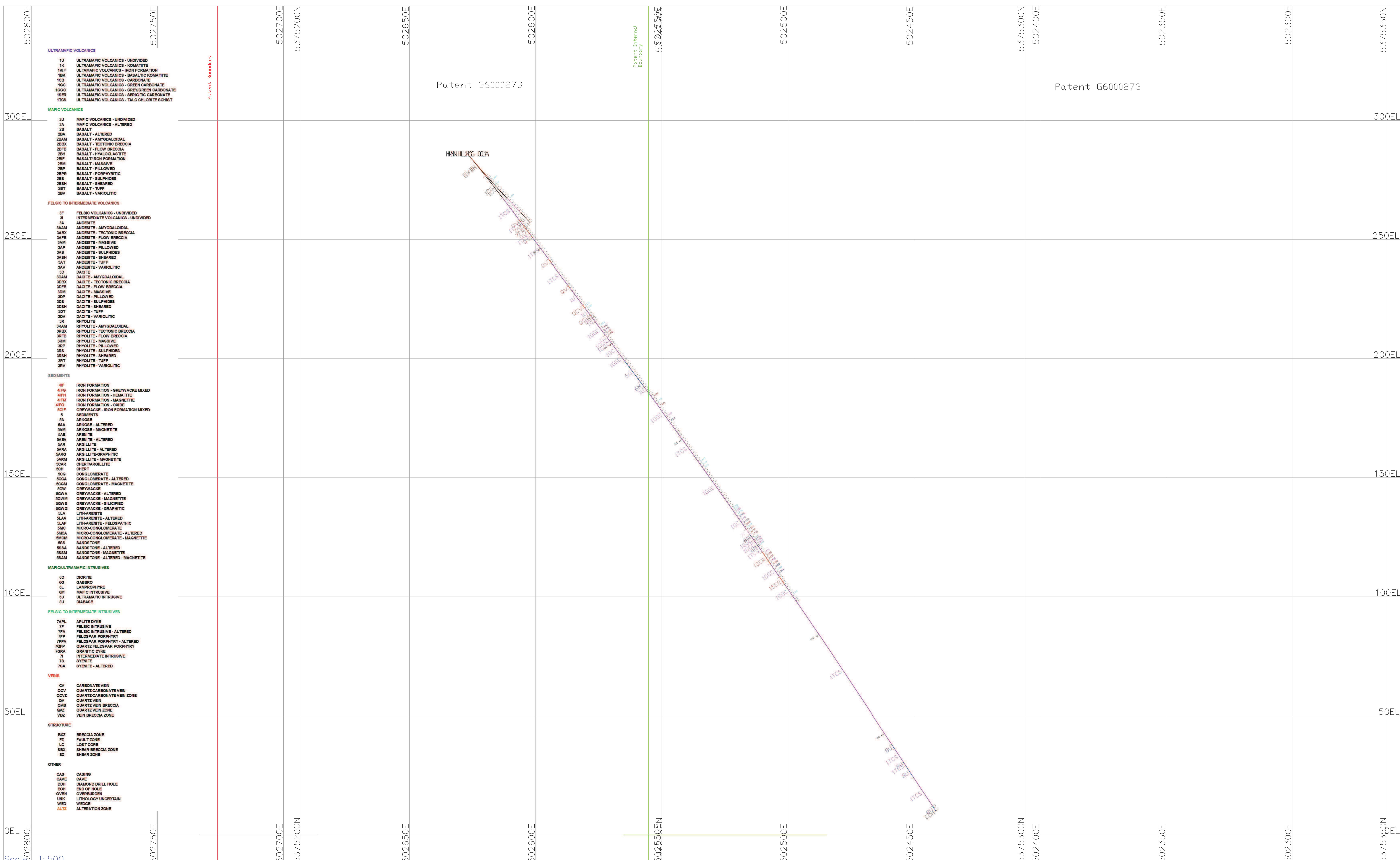
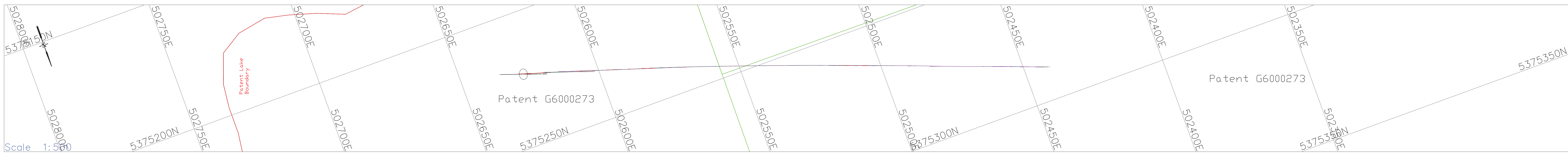
**From To Description**

338.98 338.98 End of Hole.

Standard 201 E5692390 0.531 531.000

EOH : 339.000  
 Total # of samples : 180  
 Total footage sampled : 224.58





**Au Assay Legend (grams gold)**

0.00 to 0.25
0.25 to 0.50
0.50 to 1.00
1.00 to 2.00
2.00 and greater

Scale 1:500

0m 50m 100m 150m

1:500

**Nighthawk Lake Project**  
**MNHL16-01 & MNHL16-01A**  
**+25m 285Az Section 1 Looking South**

moneta porcupine  
Est. 1910





**Certificate of Analysis**  
**Work Order : CO1605608**  
**[Report File No.: 0000027126]**

Date: September 30, 2016

To: **Kirsty Nicholson**  
Project Geologist  
**MONETA PORCUPINE MINES INC**  
65 THIRD AVENUE.-  
TIMMINS ON P4N 1C2

P.O. No.: 28/09/16 CORE  
Project No.: EXPLORATION  
Samples: 74  
Received: Sep 28, 2016  
Pages: Page 1 to 4  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
74	WGH79	Sample Weight & Reporting of weights (REJECTS=1 - ROH store)
71	PRP89	Dry, Crush to 75% 2mm, Split to 250g, Pulv to 85%, 75µm
74	GE_FAI323	Au by FAS, ICP-AES, 30g

Certified By : \_\_\_\_\_

Ken Williams  
Operations Manager

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

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au GE_FAI323 0.005 ppm
E5692159	2.747	<0.005
E5692160	0.760	<0.005
E5692161	3.298	<0.005
E5692162	3.001	0.018
E5692163	1.774	0.008
E5692164	3.297	0.005
E5692165	4.050	0.044
E5692166	2.709	0.175
E5692167	3.490	0.015
E5692168	3.283	0.098
E5692169	3.327	0.050
E5692170	1.746	<0.005
E5692171	1.782	0.011
E5692172	3.207	0.057
E5692173	0.068	0.519
E5692174	3.164	0.021
E5692175	3.413	0.289
E5692176	3.408	0.034
E5692177	3.670	0.083
*Dup E5692177	N.A.	0.069
E5692178	3.250	0.008
E5692179	3.412	0.024
E5692180	3.376	<0.005
E5692181	3.361	<0.005
E5692182	3.509	<0.005
E5692183	3.373	<0.005
E5692184	3.504	0.009
E5692185	3.433	0.014
E5692186	1.928	<0.005
E5692187	3.642	0.021
E5692188	2.644	0.072
E5692189	1.876	0.430
E5692190	3.238	0.524
E5692191	0.068	0.872
E5692192	3.460	<0.005
E5692193	2.944	0.019
E5692194	3.539	0.240
E5692195	3.457	0.051
E5692196	2.856	0.021
E5692197	3.341	0.044

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au GE_FAI323 0.005 ppm
E5692198	3.281	0.013
E5692199	3.337	0.066
E5692200	3.216	0.078
E5692201	3.226	0.166
E5692202	3.369	0.022
E5692203	3.396	0.073
E5692204	3.323	0.007
E5692205	3.429	<0.005
E5692206	2.342	0.012
E5692207	3.240	0.049
E5692208	2.869	0.064
E5692209	0.069	3.19
E5692210	3.214	0.043
E5692211	2.377	0.028
E5692212	3.247	0.032
*Dup E5692212	N.A.	0.020
E5692213	3.353	0.038
E5692214	3.277	0.042
E5692215	3.452	0.131
E5692216	3.210	0.038
E5692217	3.106	<0.005
E5692218	3.208	<0.005
E5692219	0.919	<0.005
E5692220	2.732	<0.005
E5692221	3.225	0.015
E5692222	3.525	0.095
E5692223	3.206	<0.005
E5692224	3.505	0.037
E5692225	3.452	0.008
E5692226	3.301	0.023
E5692227	0.956	<0.005
E5692228	3.288	0.059
E5692229	2.583	<0.005
E5692230	1.481	<0.005
E5692231	2.912	0.014
E5692232	2.749	0.027
*Rep E5692188		0.066
*Rep E5692222		0.090
*Std OREAS205		1.24
*Std OREAS206		2.21

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Report File No.: 0000027126

Element	Au
Method	GE_FAI323
Det.Lim.	0.005
Units	ppm
*Std OREAS208	9.18
*Std OREAS205	1.23
*Blk BLANK	<0.005

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**Certificate of Analysis**  
**Provisional : Work Order : CO1605609**  
**[Report File No.: 000027127]**

Date: September 30, 2016

To: **Kirsty Nicholson**  
Project Geologist  
**MONETA PORCUPINE MINES INC**  
65 THIRD AVENUE.-  
TIMMINS ON P4N 1C2

P.O. No.: 28/09/16 CORE  
Project No.: EXPLORATION  
Samples: 74  
Received: Sep 28, 2016  
Pages: Page 1 to 4  
(Inclusive of Cover Sheet)

**Methods Summary**

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
74	WGH79	Sample Weight & Reporting of weights (REJECTS=1 - ROH store)
72	PRP89	Dry, Crush to 75% 2mm, Split to 250g, Pulv to 85%, 75µm
74	GE_FAI323	Au by FAS, ICP-AES, 30g
2	GO_FAG303	30 g, Fire assay, gravimetric finish(Au)

Certified By : \_\_\_\_\_  
Ken Williams  
Operations Manager

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = 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  
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg WGH79 kg	Au GE_FA1323 ppm	Au GO_FAG303 g/t
E5692233	2.392	0.025	N.A.
E5692234	2.401	0.033	N.A.
E5692235	2.697	<0.005	N.A.
E5692236	2.423	<0.005	N.A.
E5692237	2.413	0.094	N.A.
E5692238	2.896	0.015	N.A.
E5692239	3.552	0.006	N.A.
E5692240	3.365	<0.005	N.A.
E5692241	0.094	0.510	N.A.
E5692242	3.490	<0.005	N.A.
E5692243	3.602	<0.005	N.A.
E5692244	3.135	<0.005	N.A.
E5692245	3.429	<0.005	N.A.
E5692246	1.285	<0.005	N.A.
E5692247	3.956	0.010	N.A.
E5692248	2.302	0.084	N.A.
E5692249	2.883	<0.005	N.A.
E5692250	3.192	<0.005	N.A.
E5692251	3.658	<0.005	N.A.
*Dup E5692251	N.A.	<0.005	N.A.
E5692252	3.377	<0.005	N.A.
E5692253	3.351	0.013	N.A.
E5692254	3.253	<0.005	N.A.
E5692255	3.420	<0.005	N.A.
E5692256	1.040	<0.005	N.A.
E5692257	1.707	0.006	N.A.
E5692258	2.325	0.036	N.A.
E5692259	3.084	0.026	N.A.
E5692260	3.204	0.005	N.A.
E5692261	2.805	<0.005	N.A.
E5692262	2.712	<0.005	N.A.
E5692263	2.579	0.006	N.A.
E5692264	2.898	0.050	N.A.
E5692265	3.561	0.171	N.A.
E5692266	2.816	0.138	N.A.
E5692267	3.083	<0.005	N.A.
E5692268	1.931	0.010	N.A.
E5692269	1.115	0.009	N.A.
E5692270	1.775	0.014	N.A.
E5692271	0.095	0.864	N.A.

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au GE_FAI323 0.005 ppm	Au GO_FAG303 0.5 g/t
E5692272	1.944	0.043	N.A.
E5692273	2.014	0.048	N.A.
E5692274	3.470	0.046	N.A.
E5692275	3.410	0.124	N.A.
E5692276	3.468	0.776	N.A.
E5692277	2.881	0.936	N.A.
E5692278	2.269	4.23	--
E5692279	2.951	2.39	N.A.
E5692280	2.740	0.014	N.A.
E5692281	1.989	0.023	N.A.
E5692282	1.968	<0.005	N.A.
E5692283	2.973	<0.005	N.A.
E5692284	3.186	0.005	N.A.
E5692285	3.274	0.007	N.A.
E5692286	0.774	<0.005	N.A.
*Dup E5692286	N.A.	<0.005	N.A.
E5692287	2.916	<0.005	N.A.
E5692288	3.361	0.012	N.A.
E5692289	3.271	0.006	N.A.
E5692290	1.514	<0.005	N.A.
E5692291	3.639	0.014	N.A.
E5692292	3.428	<0.005	N.A.
E5692293	3.546	0.005	N.A.
E5692294	3.504	0.019	N.A.
E5692295	3.396	<0.005	N.A.
E5692296	3.494	<0.005	N.A.
E5692297	3.266	<0.005	N.A.
E5692298	3.342	<0.005	N.A.
E5692299	3.544	0.014	N.A.
E5692300	0.095	3.15	N.A.
E5692301	3.630	0.005	N.A.
E5692302	3.142	0.015	N.A.
E5692303	3.367	0.034	N.A.
E5692304	3.527	>10.0	--
E5692305	3.511	0.016	N.A.
E5692306	2.715	0.338	N.A.
*Rep E5692269		0.010	
*Rep E5692294		0.007	
*Std OREAS205		1.22	
*Std OREAS206		2.18	

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Provisional : CO1605609 Order: 28/09/16 CORE

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Report File No.: 0000027127

Element	Au
Method	GE_FAI323
Det.Lim.	0.005
Units	ppm
*Std OREAS208	9.48
*Std OREAS205	1.23
*Blk BLANK	<0.005

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**Certificate of Analysis**  
**Work Order : CO1605828**  
**[Report File No.: 0000027469]**

Date: October 11, 2016

To: **Kirsty Nicholson**  
 Project Geologist  
**MONETA PORCUPINE MINES INC**  
 65 THIRD AVENUE  
 TIMMINS ON P4N 1C2

P.O. No.: 06/10/16 CORE  
 Project No.: EXPLORATION  
 Samples: 74  
 Received: Oct 6, 2016  
 Pages: Page 1 to 4  
 (Inclusive of Cover Sheet)

Methods Summary

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
74	WGH79	Sample Weight & Reporting of weights (REJECTS=1 - ROH store)
71	PRP89	Dry, Crush to 75% 2mm, Split to 250g, Pulv to 85%, 75µm
74	GE_FAI323	Au by FAS, ICP-AES, 30g
5	GO_FAG303	30 g, Fire assay, gravimetric finish(Au)

Certified By : \_\_\_\_\_  
 Ken Williams  
 Operations Manager

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
 n.a. = Not applicable -- = 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  
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au GE_FAI323 0.005 ppm	Au GO_FAG303 0.5 g/t
E5692307	1.787	0.006	N.A.
E5692308	3.289	6.35	7.14
E5692309	3.233	0.036	N.A.
E5692310	3.322	0.088	N.A.
E5692311	3.150	<0.005	N.A.
E5692312	1.163	1.63	N.A.
E5692313	3.402	0.089	N.A.
E5692314	3.488	0.511	N.A.
E5692315	3.405	0.039	N.A.
E5692316	3.313	<0.005	N.A.
E5692317	3.352	0.016	N.A.
E5692318	0.579	<0.005	N.A.
E5692319	2.299	0.028	N.A.
E5692320	2.340	0.047	N.A.
E5692321	3.408	0.012	N.A.
E5692322	3.331	<0.005	N.A.
E5692323	3.402	<0.005	N.A.
E5692324	3.405	0.006	N.A.
E5692325	3.314	<0.005	N.A.
*Dup E5692325	N.A.	0.009	N.A.
E5692326	3.329	0.007	N.A.
E5692327	3.253	0.015	N.A.
E5692328	2.497	0.078	N.A.
E5692329	3.316	0.072	N.A.
E5692330	3.223	0.403	N.A.
E5692331	3.295	0.113	N.A.
E5692332	0.068	0.507	N.A.
E5692333	3.178	0.151	N.A.
E5692334	3.520	0.022	N.A.
E5692335	3.337	0.009	N.A.
E5692336	3.267	0.005	N.A.
E5692337	3.432	<0.005	N.A.
E5692338	3.289	0.016	N.A.
E5692339	3.391	0.045	N.A.
E5692340	3.324	<0.005	N.A.
E5692341	3.390	<0.005	N.A.
E5692342	3.374	<0.005	N.A.
E5692343	3.323	0.008	N.A.
E5692344	3.291	<0.005	N.A.
E5692345	3.394	0.033	N.A.

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Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au GE_FAI323 0.005 ppm	Au GO_FAG303 0.5 g/t
E5692346	3.455	0.907	N.A.
E5692347	0.067	0.043	N.A.
E5692348	2.330	0.215	N.A.
E5692349	1.746	0.112	N.A.
E5692350	1.409	1.32	N.A.
E5692351	3.414	0.474	N.A.
E5692352	3.420	0.709	N.A.
E5692353	3.641	1.01	N.A.
E5692354	3.253	0.999	N.A.
E5692355	2.634	3.44	2.89
E5692356	2.693	0.247	N.A.
E5692357	2.956	8.94	N.A.
E5692358	2.730	3.31	3.21
E5692359	3.777	3.96	3.73
E5692360	2.883	0.121	N.A.
*Dup E5692360	N.A.	0.099	N.A.
E5692361	0.588	0.013	N.A.
E5692362	1.548	0.726	N.A.
E5692363	2.360	1.99	N.A.
E5692364	2.414	1.79	N.A.
E5692365	1.180	0.291	N.A.
E5692366	3.362	0.087	N.A.
E5692367	3.221	0.008	N.A.
E5692368	3.184	1.47	N.A.
E5692369	3.376	3.10	3.30
E5692370	3.396	2.15	N.A.
E5692371	3.416	1.43	N.A.
E5692372	3.238	2.79	N.A.
E5692373	3.250	0.883	N.A.
E5692374	0.069	3.16	N.A.
E5692375	3.281	0.398	N.A.
E5692376	2.745	0.564	N.A.
E5692377	2.381	0.024	N.A.
E5692378	2.520	0.055	N.A.
E5692379	2.767	0.025	N.A.
E5692380	2.833	0.017	N.A.
*Rep E5692339		0.043	
*Rep E5692372		3.17	
*Std OREAS205		1.22	
*Std OREAS206		2.19	

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Final : CO1605828 Order: 06/10/16 CORE

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Report File No.: 0000027469

Element Method Det.Lim. Units	Au	Au
	GE_FAI323	GO_FAG303
*Std OREAS208	8.97	
*Std OREAS205	1.23	
*Blk BRM	<0.005	
*Blk BLANK	<0.005	
*Blk BLANK		<0.50
*Std SQ87		30.02

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**Certificate of Analysis**  
**Work Order : CO1606048**  
**[Report File No.: 000027760]**

Date: October 21, 2016

To: **Kirsty Nicholson**  
Project Geologist  
**MONETA PORCUPINE MINES INC**  
65 THIRD AVENUE  
TIMMINS ON P4N 1C2

P.O. No.: 13/10/16 CORE  
Project No.: EXPLORATION  
Samples: 74  
Received: Oct 14, 2016  
Pages: Page 1 to 4  
(Inclusive of Cover Sheet)

Methods Summary

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
74	WGH79	Sample Weight & Reporting of weights (REJECTS=1 - ROH store)
71	PRP89	Dry, Crush to 75% 2mm, Split to 250g, Pulv to 85%, 75µm
74	GE_FAI323	Au by FAS, ICP-AES, 30g
1	GO_FAG303	30 g, Fire assay, gravimetric finish(Au)

Certified By : \_\_\_\_\_

Ken Williams  
Operations Manager

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = 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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Final : CO1606048 Order: 13/10/16 CORE

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Report File No.: 0000027760

Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au GE_FAI323 0.005 ppm	Au GO_FAG303 0.5 g/t
E5118952	3.473	0.008	N.A.
E5118953	2.819	0.008	N.A.
E5118954	3.956	0.164	N.A.
E5118955	2.308	0.193	N.A.
E5118956	2.674	0.137	N.A.
E5118957	2.458	0.010	N.A.
E5118958	2.441	0.007	N.A.
E5118959	2.692	<0.005	N.A.
E5118960	0.061	0.529	N.A.
E5118961	2.752	<0.005	N.A.
E5118962	2.382	0.006	N.A.
E5118963	2.740	<0.005	N.A.
E5118964	2.708	<0.005	N.A.
E5118965	2.455	0.008	N.A.
E5118966	2.558	<0.005	N.A.
E5118967	3.181	0.401	N.A.
E5118968	3.088	2.16	N.A.
E5118969	3.411	1.32	N.A.
E5118970	3.054	0.741	N.A.
*Dup E5118970	N.A.	0.732	N.A.
E5118971	3.125	8.19	7.74
E5118972	2.728	0.019	N.A.
E5118973	1.290	0.388	N.A.
E5118974	0.731	<0.005	N.A.
E5118975	1.433	0.400	N.A.
E5118976	1.556	0.740	N.A.
E5118977	1.829	0.129	N.A.
E5118978	3.342	0.049	N.A.
E5118979	3.435	0.315	N.A.
E5118980	3.344	0.525	N.A.
E5118981	3.317	0.006	N.A.
E5118982	3.166	0.024	N.A.
E5118983	2.670	0.333	N.A.
E5118984	2.328	0.007	N.A.
E5118985	3.041	0.339	N.A.
E5118986	3.411	<0.005	N.A.
E5118987	3.526	<0.005	N.A.
E5118988	3.539	<0.005	N.A.
E5118989	0.068	0.903	N.A.
E5118990	3.216	<0.005	N.A.

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WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .

Element Method Det.Lim. Units	WtKg WGH79 0.001 kg	Au GE_FAI323 0.005 ppm	Au GO_FAG303 0.5 g/t
E5118991	3.581	<0.005	N.A.
E5118992	4.087	0.007	N.A.
E5118993	2.479	<0.005	N.A.
E5118994	2.412	0.012	N.A.
E5118995	3.806	0.008	N.A.
E5118996	3.405	<0.005	N.A.
E5118997	3.004	0.010	N.A.
E5118998	3.488	0.006	N.A.
E5118999	3.615	0.021	N.A.
E5119000	3.185	0.010	N.A.
E5119001	3.564	<0.005	N.A.
E5119002	2.773	0.010	N.A.
E5119003	2.608	0.006	N.A.
E5119004	3.283	0.012	N.A.
E5119005	0.691	<0.005	N.A.
*Dup E5119005	N.A.	<0.005	N.A.
E5119006	3.126	0.028	N.A.
E5119007	2.429	0.013	N.A.
E5119008	3.163	0.010	N.A.
E5119009	3.587	<0.005	N.A.
E5119010	3.412	0.016	N.A.
E5119011	3.392	<0.005	N.A.
E5119012	3.427	<0.005	N.A.
E5119013	2.367	<0.005	N.A.
E5119014	2.613	0.006	N.A.
E5119015	3.337	0.007	N.A.
E5692381	3.400	0.006	N.A.
E5692382	3.403	0.017	N.A.
E5692383	3.383	0.013	N.A.
E5692384	3.502	0.114	N.A.
E5692385	3.037	<0.005	N.A.
E5692386	2.090	<0.005	N.A.
E5692387	2.206	<0.005	N.A.
E5692388	2.340	<0.005	N.A.
E5692389	3.280	<0.005	N.A.
E5692390	0.069	0.531	N.A.
*Rep E5118957		0.014	
*Rep E5119010		0.021	
*Std OREAS205		1.32	
*Std OREAS206		2.25	

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Element Method Det.Lim. Units	Au GE_FAI323	Au GO_FAG303
	0.005 ppm	0.5 g/t
*Std OREAS208	9.63	
*Std OREAS205	1.30	
*Blk BLANK	<0.005	
*Blk BLANK		<0.50
*Std SQ87		31.13
*Rep E5118971		9.13
*Rep E5118971	5.70	
*Rep E5118971	7.31	

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**CERTIFICATE OF ANALYSIS FOR**

**GOLD ORE**

**CERTIFIED REFERENCE MATERIAL**

**OREAS 201**

**Table 1. Certified Values, SDs, 95% Confidence and Tolerance Limits for OREAS 201**

Constituent	Certified Value	1SD	95% Confidence Limits		95% Tolerance Limits*	
			Low	High	Low	High
<b>Fire Assay</b>						
Gold, Au (ppm)	0.514	0.017	0.507	0.521	0.510	0.518
<b>Aqua Regia Digestion</b>						
Gold, Au (ppm)	0.498	0.030	0.481	0.516	0.494	0.503

Note: intervals may appear asymmetric due to rounding; \*determined from RSD of INAA data for 30g and 25g analytical subsample weights for fire assay and aqua regia digestion, respectively.



**CERTIFICATE OF ANALYSIS FOR**

**GOLD ORE**

**CERTIFIED REFERENCE MATERIAL**

**OREAS 203**

**Table 1. Certified Values, SDs, 95% Confidence and Tolerance Limits for OREAS 203**

Constituent	Certified Value	1SD	95% Confidence Limits		95% Tolerance Limits*	
			Low	High	Low	High
<b>Fire Assay</b>						
Gold, Au (ppm)	0.871	0.030	0.859	0.884	0.861	0.881
<b>Aqua Regia Digestion</b>						
Gold, Au (ppm)	0.825	0.062	0.793	0.857	0.815	0.835

Note: intervals may appear asymmetric due to rounding; \*determined from RSD of INAA data for 30g and 25g analytical subsample weights for fire assay and aqua regia digestion, respectively.



**ORE RESEARCH & EXPLORATION PTY LTD**

6-8 Gatwick Drive, Bayswater North, Vic 3153 AUSTRALIA

Telephone: 61-3-9729 0333 Facsimile: 61-3-9729 4777

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**CERTIFICATE OF ANALYSIS FOR**

**GOLD ORE REFERENCE MATERIAL**

**OREAS 17c**

**SUMMARY STATISTICS**

Constituent	Certified Value	1SD
Gold, Au (ppm)	3.04	0.08

*Prepared by:*  
*Ore Research & Exploration Pty Ltd*  
*November 2009*

REPORT 09-801-17c






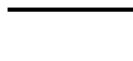


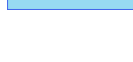
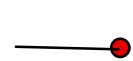

498000

500000

502000

504000

**Legend**

-  NT Property Boundary
-  Claim Boundaries
-  Patents
-  Leases
-  Townships
-  Roads
-  Utilities
-  Wetland
-  Lake
-  Rivers & Streams
-  MNHL16-01A



5376000

5376000

5374000

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5372000

5372000

498000

500000

502000

504000

MATHESON

CODY

MASKLEM

CODY

6042SEC

11614SEC

G6000273

G6000273

P22500

P22497

G6000273

G6000273

G6000273

G6000273

G6000273

P22499

G6000273

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1181455

G6000140

G6000139

1029586

1224101

1181451

1181452


1025838

1224102

1201582

1181460


1025839



**Moneta Porcupine Mines**

moneta porcupine  
Est. 1910

**Nighthawk Lake Project  
Property Location**

UTM Zone 17N, NAD 83			1:10,000
Tisdale Township, Ontario			
Printed 6th December 2016			