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**Assessment Report:** 

## NORTH TISDALE PROJECT - 2016 DIAMOND DRILL PROGRAM

**Porcupine Mining Division** 

Timmins, Ontario

N.T.S. 42A/6 & 42A/II

September 22, 2016

**Kirsty Nicholson** 

# NORTH TISDALE PROJECT - 2016 DIAMOND DRILL PROGRAM:

### <u>Summary</u>

Moneta Porcupine's *North Tisdale Project* consists of a large, contiguous group of staked claims, and patented-leased mining parcels located 6 kilometers north of downtown Timmins, Ontario. This extensive land package may be easily visited via Highway 655 and the numerous trails and bush roads that access several adjacent gravel pits and nearby forested areas.



Fig 1. Location map showing the North Tisdale 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 maintained relatively high exploration prospectivity because it overlies the western extension of the 'New Mines Trend' which hosts the Bell Creek and Hoyle Pond gold deposits that have been in production since 1985.

Between September 6-9<sup>th</sup>, 2016, Moneta completed one diamond drill hole (MNT16-01), on the property, totalling 397m of penetration. The inclined path of this hole was confined within one of the

Moneta Porcupine Mines Inc., North Tisdale Assessment Report, September 22, 2016

Company's patented mining claims; P-9915 (parcel #2726WT) & P10651 (parcel #2728WT), on Tisdale township.

This NQ-diameter hole was designed to evaluate an IP Annomaly on Line 2 (L2E\_MT1) identified by the Titan IP undertaken in 2012.

Hole MNT16-01 encountered a repetitive series of (Tisdale Assemblage) ultramafic and mafic volcanic flows.

Units of graphitic mafic volcanic with sulphide mineralization were encountered within this drillhole. This lithology looks prospective for gold mineralization, we should know further when assay results have been returned from the assay lab.

### Previous Work

Historic records indicate that several exploration campaigns have been completed over the past 35 years, likely inspired by the Project's proximity to the 1) prolific Hollinger-McIntyre-Coniaurum gold system (combined past production = 31 million ounces) located 5km to the south, and, 2) the 1983 discovery of the Bell Creek deposit 8km to the east.

A brief summary of field work conducted within the current claim package follows:

- line-cutting (preliminary to work below)
- ground geophysical surveys (1996: MAG-HLEM, 2006 + 2011: IP-MAG, 2011: TITAN IP)
- regional geophysical surveys (2003-2004: Discover Abitibi Gravity & Seismic)
- soil geochemistry surveys (1998: mobile metal ion MMI)
- diamond drilling on various portions of the property, including; Keevil Exploration (1964-65), Esso Minerals (1982-1983), Hollinger Argus (1984), Moneta Porcupine and its partners (1987-2014).

Approximately 25 historic drill holes have been collared within 1km of Moneta's 2016 drill site. Predominantly part of Moneta's 1987 drill program, previous results include:

- Hole MNT87-01, located 125m to the northeast, intersected 0.76g/t Au over 7.62m (including 2.64g/t Au over 1.53m) within a graphitic pyrite enriched unit with small quartz stringers.
- Hole MNT87-14, located 200m to the north, intersected 1.06g/t Au over 4.73m (including 2.07g/t Au over 1.52m) within a strongly carbonatized graphitic pyrite enriched unit with 15-20% small quartz calcite stringers.

#### **Geological Framework**

The geology of the Porcupine Gold Camp has been well documented by several generations of ODM-OGS mappers, including key reports by D.R. Pyke (1982) and by S.A. Ferguson (1968).

The majority of the rock units underlying Tisdale Township have been subdivided into 3 basic Archeanaged (2.7 BY), events/formations; the Deloro and Tisdale volcanic assemblages and the younger (or northern) Porcupine Group clastic sediments. Moneta's claim group overlies a 10km thick repetitive series (or stratigraphic column) of Tisdale flows and Porcupine sediments.

The majority of gold deposits within the 70-million ounce Porcupine Mining Camp occur as quartz carbonate) veins hosted within (carbonate-sericite-pyrite) alteration systems emplaced upon structurally-prepared zones (splays) cutting through the Tisdale Assemblage lying north of the regionally-significant Destor-Porcupine structural corridor.



*Fig.2. Compilation map showing the Project's location, previous drilling sites, MMI anomalies (red hash), and underlying stratigraphy. The black star indicates the site of the 2016 drilling described in this report.* 

There are no outcrop exposures of the bedrock in the immediate vicinity of MNT16-01. Historic drill logs in the vicinity (Moneta's 1987 drill program) encountered Tisdale Assemblage (tholeiitic) mafic volcanic flows, with occasional lenses of greywacke and graphitic volcanics.

### 2016 Exploration Programme

Moneta's local drill contractor (Norex Drilling) mobilized one hydraulic top-drive 'VD' drill rig onto the property on September 9<sup>th</sup>, 2016. Access to the drill site was quick and simple; exiting Highway 655 (Kidd Creek Highway) adjacent to the turn off for Laforest Rd, driving into the Custom Concrete gravel pit (with their permission) following their established roads, and finally following a 200m edge of a historic forestry boundary south in a southerly direction, directly to the collar of hole.

Hole MNT16-01 was designed by the author to determine the potential of an IP Annomaly on Line 2 (L2E\_MT1) identified by the Titan IP undertaken in 2012 (AFRI File: 20000006711).

This assessment drilling programme was managed on a daily basis by the author, acting as Moneta's *Qualified Person*. All core-logging and sample delineation was conducted by a sub-contracting project geologist, Kian Jensen.

Norex crews completed 398m of drilling by September 9th; averaging 100 metres/day progress. No technical difficulties or drilling impediments were reported. 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 passing through 30m of overburden-casing, MNT16-01 encountered 153.7m (core length) of ultramafic volcanics, often talc or carbonate altered. This included a large structural feature with multiple fault zones noted from 35.35m to 43.29m downhole. The hole then encountered 213.7m (core length) of intercalated mafic volcanic interflow tuffs (likely Tisdale Assemblage associated with magnesium tholeiites).

Units of graphitic mafic volcanic tuffs with sulphide mineralization were encountered within this drillhole. Based on results from the previous drill holes in the area this lithology looks prospective for gold mineralization.

A total of 37 sawn (halved) core samples are being submitted to SGS Laboratories for gold analysis (utilising Fire Assay). Two of these samples were delegated for Moneta's industry-standard QAQC programme. All results are pending.

It appears that the Titan IP anomaly was either highlighting areas of increased graphitic lenses, or alternately a lithological change within the mafic volcanic tuffs encountered within MNT16-01.

Michales.

September 22, 2016

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

Appendix:

Statement of Qualifications References Drill Log Plan Map - Section Diagram

## **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:

Micholor

Dated: September 22, 2016

#### **References**

- ODM Rpt. 219, Geology of the Timmins Area; by D.R. Pyke (1982)
- ODM GR 58, Geology and Ore Deposits of Tisdale Twp; by S.A. Ferguson (1968)
- Gold Deposits in the Porcupine Gold Camp; PhD Thesis, by D. Brisbin (1997)
- Numerous MNDM assessment files from Tisdale and Murphy Townships
- Maps and articles from Moneta Porcupine's corporate website
- Hollinger-McIntyre information from Goldcorp's Porcupine Gold Mines website
- TITAN-24 DC IP MT Survey, Geophysical Report, North Tisdale Project; by Kevin Killin (2012)



# Hole Name: MNT16-01

Easting:	479240.00	Survey Type:	Field GPS Setup	Core Size:	NQ	Zone:	N/A	Logged by:	Kian Jensen
Northing:	5374750.00	DM Survey Method.	Reflex	Materials left:	Casing	Claim:	Patent P9951 Pin 65400-	Dates logged:	September 9 - September 20; 2016
Elevation:	309.00	Hole Type:	DDH	Drilled by:	Norex Drilling	Purpose:		Sample Type:	Cut Core
Collar Azimuth:	0.0	Hole length:	397.42	Drill ID:		Core Storage:	Moneta Facility Timmins	Analysis:	
Collar DIP:	-60.0	Units:	Meters	Project	North Tisdale Project	Date Started:	9/6/2016 3:47:27 PM	Laboratory:	SGS
						Date Completed:	9/9/2016 8:37:43 AM	Duplicate Laboratory:	Activation Lab

#### Comments:

# Downhole Survey Tests:

ĺ					Magnetic	
	Depth	Azimuth	Dip	Туре	Strength	<b>Comments</b>
ĺ	0.00	0.00	-60.00	COLLAR ESTIMATE		
	39.00	356.90	-60.80	REFLEX	5436	
	69.00	359.60	-61.20	REFLEX	5474	
	99.00	358.50	-61.50	REFLEX	5528	
	129.00	359.10	-61.70	REFLEX	5547	
	159.00	357.10	-61.50	REFLEX	5560	
	188.00	355.10	-60.30	REFLEX	5566	
	218.00	354.90	-59.90	REFLEX	5575	
	248.00	354.80	-59.40	REFLEX	5576	
	278.00	354.10	-58.70	REFLEX	5578	
	308.00	354.80	-58.00	REFLEX	5582	
	338.00	354.40	-57.40	REFLEX	5586	
	368.00	354.70	-57.30	REFLEX	5587	
	397.42	354.70	-57.10	REFLEX	5592	

# Veinage Percentage

From To Vein Type Percentage Comments

30	31.77		0	
31.77	32.13	cqv	100	
32.13	35.35	qcs	0.5	
35.35	35.59		0	
35.59	35.8		0	
35.8	36.75	qcs	1	generally discontinuous and contorted stringers
36.75	43.29	qcs	1	contorted and discontinuous stringer in brecciated fault zone
43.29	57.54	qcs	0.5	irregular and discontinuous
57.54	58.07	qcv	98	inclusions of talcose ultramafic metavolcanics
58.07	80.06	qcs	1	fracture filling calcite carbonate stringers occasional rimmed with chlorite, generally irregular, contorted and discontinuous
80.06	86.98	CCS	2	fracture filling stringers with minor fine grained pyrite
86.98	88.89	CS	5	scattered irregular, contorted and discontinuous carbonate strings and carbonate oval masses
88.89	94.62	CS	1	scattered irregular, contorted and discontinuous carbonate stringers and oval masses
94.62	95.36		0	void of veining
95.36	96.9	CS	1	scattered calcite and carbonate stringers
96.9	101.06	qcs	3	scattered and generally not exceeding 3.0cm, minor bleaching small sections, barren of sulphides
101.06	102	qcs	0.5	fracture filling 1mm stringers
102	109.12	CS	3	scattered generally contorted, irregular and discontinuous stringers, rare veinlets, barren of sulphides
109.12	115.16	CS	1	same as above
115.16	120.65	CS	2	scattered carbonate and quartz carbonate irregular and discontinuous stringers, void of sulphides
120.65	122.49	qcs	0.5	rare quartz carbonate stringers, void of sulphides
122.49	135	qcs	2	mixed scattered carbonate and quartz carbonate stringers, contorted and discontinuous, void of sulphides
135	138.03	CCS	0.5	very rare stringers generally 2mm to 4mm at 45 and 20 TCA
138.03	155	CCS	2	mixed scattered carbonate and quartz carbonate stringers, contorted and discontinuous, void of sulphides
155	183.7	CCS	3	stringers parallel generally to moderate to well developed foliation usually 2mm to 4mm, rare quartz carbonate stringer or veinlets up to 3cm
183.7	188.7	CCS	2	3 generations of calcite carbonate stringers, 1 parallel to bedding and 2 cross cutting bedding ranging from 20 to 80 TCA
188.7	190.9	CCS	1	2 generations of stringer, parallel and cross cutting bedding
190.9	191.13	qv	100	bull white quartz vein, void of sulphides
191.13	192.42	CCS	1.5	calcite carbonate fracture filling stringers cross cutting foliation, few scattered quartz +/_ carbonate stringers to veinlets generally 2%
192.42	192.82	qv	95	bull white quartz vein with 5% mafic inclusions, barren void of sulphides
192.82	197.3	CCS	1.5	calcite carbonate fracture filling stringers cross cutting foliation, few scattered quartz +/_ carbonate stringers to veinlets generally 2%
197.3	213.27	cal	1	minor calcite 1mm to 2mm stringers parallel to or slight angle from bedding or foliation cross cut by 5mm calcite veinlets generally at 40 TCA or 20 TCA
213.27	219.23	cal	5	scattered 1mm to 5mm calcite stringers with few scattered 3cm to 5cm calcite veinlets
219.23	219.61	qv	98	quartz vein with minor inclusion of mafic metavolcanics
219.61	230.53	cal	5	scattered 1mm to 5mm calcite stringers with few scattered 3cm to 5cm calcite veinlets
230.53	230.69	qcv	70	white opaque quartz carbonate vein with 30% mafic metavolcanic inclusions, barren void of sulphides
230.69	254.91	qcs	3	white opaque quartz stringers with some contorted and displaced generally 3mm to 5mm, scattered calcite stringers less than 1%, rare quartz carbonate veinlet up to 5cm, barren void of sulphides
254.91	255.16	qcv	100	white opaque quartz ankerite vein with ground contacts, void of sulphides
255.16	256.91	qcs	2	white opaque quartz carbonate stringers generally at 20, 60, 75 TCA usually 2mm up to 5mm rare 1cm to 3cm veinlets
256.91	257.02	qcv	80	laminated white quartz carbonate and mafic metavolcanic at 40 TCA
257.02	259.54	qcs	2	white opaque quartz carbonate stringers generally at 20, 60, 75 TCA usually 2mm up to 5mm rare 1cm to 3cm veinlets
259.54	259.59	qcv	100	white opaque quartz carbonate veinlet at 70 and 65 TCA (upper and lower contacts)
259.59	261	qcs	2	same as 257.02m to 259.54m
261	261.06	qv	100	quartz veinlet milky white opaque, sharp contacts at 90 displace by quartz carbonate fracture, barren void of sulphides and 75
261.06	268.7	qs	1	scattered 1mm to 2mm quartz stringers
268.7	280.09	qs	2	scattered quartz stringers, irregular and few contorted or displaced, generally less than 3mm but few 1cm to 3cm contorted veinlets, void of sulphides
280.09	297.45	qs	0.5	scattered 5mm quartz with or without carbonate stringers generally at 30 TCA, rare contorted veinlets up to 2cm to 5 cm
297.45	297.52	qv	60	contorted, light grey milky white quartz veinlet, inclusions, void of sulphides

297 52	297.6		0	void of all stringers
297.6	297.68	av	80	contorted light grey milky white quartz veinlet inclusions, void of sulphides
297.68	306.9	4V AS	0.5	scattered 5mm guartz with or without carbonate stringers generally at 30 TCA, rare contorted veinlets up to 2cm to 5 cm
306.9	308.85	45 GS	0.5	scattered bair like to 2mm quartz stringers with or without carbonate, few calcite fracture filling stringers
300.9	310.05	45 ool	0.5	scallered half like to zinith quartz stringers with or without carbonate, rew calcule nature initing stringers
308.85	312.5	Cal	0.1	rare scattered calcile nacture nining siningers up to miningenerally so TCA closs cutting bedding
312.5	316.6	qcs	5	scattered quartz carbonate stringers up to 1.5cm generally parallel to bedding, minor amount of calcite 1mm stringers cross cutting bedding
316.6	316.92	qcs	2	scattered quartz carbonate stringers up to 1.5cm usually parallel to bedding of graphitic tuff
316.92	316.98	qv	97	with 2% to 3% fine pyrite, minor tuff inclusions
316.98	318.1	qs	0.5	scattered 1mm to 2mm quartz stringers with minor calcite fracture filling stringers
318.1	330.82	qs	0.5	scattered 2mm and rare 5mm quartz stringers, few to rare calcite fracture filling stringers usually 1mm
330.82	332.4	qs	0.5	scattered 2mm quartz stringers and 1mm to 2mm cross cutting calcite stringers
332.4	333.55	qs	1.5	scattered 2mm to 3mm contorted quartz stringers and discontinuous calcite stringers
333.55	333.7		0	lost core
333.7	334.59	CS	0.5	brecciate and fragments of stringers
334.59	361.04	qcs	1	scattered quartz carbonate stringers generally 1cm, rare stringers up to 2cm usually at 55 TCA
361.04	361.12	qcv	100	sharp contacts at contorted 50 TCA (upper) and contorted 35 TCA (lower)
361.12	362.76	qcs	2	contorted veinlet
362.76	362.86	qcv	90	10% inclusions, contacts at 50 TCA (upper) and 40 TCA (lower)
362.86	372.5	qcs	1	scattered 3mm to 5mm stringers
372.5	373	qv	100	milky white opaque vein, barren, 0.5% to 1.0% light grey mafic metavolcanic inclusions, barren void of sulphides, contacts at 40 TCA
373	375.75	qcs	0.5	rare scattered stringers
375.75	375.84	qcv	100	milky light grey opaque quartz carbonate veinlet, barren void of sulphides, contacts at 75 TCA (upper) and 60 TCA irregular (lower)
375.84	378.98	qcs	0.5	scattered quartz carbonate stringers generally 5mm
378.98	379.12	lqcv	100	milky white quartz carbonate vein with higher concentration of carbonate bands at both contacts, barren void of sulphides, both contacts at 15 TCA
379.12	382.4	qcs	0.5	scattered quartz carbonate stringers generally 5mm
382.4	382.55	qcv	100	irregular quartz carbonate vein mass, irregular contacts, barren void of sulphides
382.55	386.34	qcs	0.5	scattered quartz carbonate stringers generally 5mm
386.34	386.7	qv	100	opaque greyish white to light grey, minor carbonate, minor wispy mafic metavolcanic inclusions, nil to trace sulphides, shape contacts at 35 TCA (upper) and 32 TCA (lower)
386.7	397.42	qcs	0.5	scattered quartz carbonate stringers generally 5mm

Litholog	<i>ay</i>										Au	FaGeo	FaGeo2	FaGrav	FaGrav2		Metallic	DUP FaGeo	DUP FaGrav
From	То	Descrij	ption				From	То	Length	Sample #	(avg g∕t)	(ppb)	(ppb)	(g/t)	(g/t)	Cert #	(g/t)	(ppb)	(g/t)
0.00	30.00	Overburg	den.																
30.00	31.77	Ultramaf moderate carbonat strong pe alteratior weak pe local sec	ic Metavolcanics. Dark ely soft, nil to very poor te stringers with occasic ervasive talcose alterati n due to shearing and b rvasive magnetism, voi tions of poor RQD and	blackish green, aphanitic to very fin development of foliation or schistos onal larger quartz carbonate veins u ion, locally moderately strong to very resciation, trace to <0.5% very fine d of weathering, overall moderate R recovery.	e grained sity, very p to 40 c y strong t to fine gr QD and	d, massive, rare quartz cm, moderate talcose rained pyrite recovery wit	ely , th												
	Mineraliz	ation																	
	From	То	Description																
1:44-51-	30.00	31.77	trace to 0.5% ve	ry fine to fine grained disseminated	pyrite														
Litholog	ay To	Docoriu	ntion																
<b>FIUIII</b>	10	Descrip		in ad an antice. Kalet and de to a de															
31.77	32.13	inclusion	s of talcose ultramafics	s, sharp contacts at 34 upper and 25	greenisn 5 lower.	i grey, with													
	Structure	; т.	<b>T</b>	Description	704	01.11.1													
	From	10	Type Intensity	Description	ICA	Strike L	ЛР												
	31.77	31.78	Ucnt s		34														
	From	To	Description																
	31.77	32 13	nil to trace pyrite																
	Veinina	02.10																	
	From	То	Description																
	31.77	32.13	barren void of su	Ilphide															
Litholog From	ду То	Descrii	otion																
32.13	35.35	Ultramaf	ic Metavolcanics. Same	e as 30.00m to 31.77m.															
	Structure	)																	
	From	То	Type Intensity	Description	ТСА	Strike L	DIP												
	32.13	32.14	Lcnt s		25														
	Mineraliz	ation																	
	From	То	Description																
	32.13	35.35	nil to trace pyrite																
Litholog From	ду То	Descrij	otion																
35.35	35.59	Fault Zor	ne. Fault zone with well	defined mud seams generally at 42	2 and 55	TCA.													
	Structure	;																	
	From	То	Type Intensity	Description	TCA	Strike L	DIP												
	35.35	35.59	FZ s	fault zone with numerous fault gouge seams, upper contact at 70 TCA lower contact at 55 TCA containing inclusions of non foliated ultramafic metavolcanics	55														
	Mineraliz	ation																	
	From	То	Description																
	35.35	35.79	nil to trace pyrite																

						From	То	l enath	Sample #	Au (ava a/t)	FaGeo (nnh)	FaGeo2 (nnh)	FaGrav (a/t)	FaGrav2 (a/t)	Cert #	Metallic (a/t)	DUP FaGeo (nnh)	DUP FaGrav
Litholog	<b>N</b> 1/					TTOM	10	Length	Campic #	( <b>uvg</b> g/t/	(ppo)	(pp2)	(9/7)	(9/7)		(9/1/	(ppb)	(9,1)
Erom	Jy To	Descriptio	o <i>n</i>															
05.50	10	Descriptio	511															
35.59	35.80	Lost Core.				35.59	35.80	0.21	LC									
	Mineraliza	ation																
	From	То	Description															
	35.79	36.75	nil to trace pyrite	)														
Litholog	gy																	
From	То	Descriptio	on															
35.80	36.75	Ultramafic m	netavolcanics. Sam	e as 32.13m to 35.35m.														
	Veining																	
	From	То	Description															
	36.66	36.75	barren void of si	ulphides														
Litholog	ду																	
From	То	Descriptio	on															
36.75	40.50	Fault Zone. I fault gouge,	Fault zone with larg ultramafic metavole	le sections of fault contorted breccia canics.	with minor amount of													
	Structure	•																
	From	То	Type Intensity	Description	TCA Strike DIP													
	36.75	43.29 ft	bx s	fault zone strongly brecciated, lost core from 40.50m to 42.00m. broken contacts no CA														
	Mineraliza	ation		,														
	From	То	Description															
	36.75	43.29	nil to trace pyrite	)														
Litholog	<i>ay</i>																	
From	То	Descriptio	on															
40.50	42.00	Lost Core. L	ost core, rubbly, in	fault breccia zone.														
						40.50	42.00	1.50	LC									
Litholog	gy																	
From	То	Descriptio	on															
42.00	43.29	Fault Zone.	Same as 36.75m to	o 40.50m.														
43.29	57.54	Ultramafic M intense talco carbonate fra	Metavolcanics. Sam ose irregular orienta acture filling stringe	e as 32.13m to 35.35, scattered very ted stringer alteration, minor chloritions.	small sections of slip planes, rare calcite													
	Mineraliza	ation																
	From	То	Description															
	43.29	57.54	nil to trace pyrite	9														
	Veining																	
	From	То	Description															
	43.29	43.30	wedge shaped a	and discontinuous veinlet														
	54.11	54.22	barren white															
Litholog	gy																	
From	То	Descriptio	on															
57.54	58.07	Quartz Carb	onate Vein. Quartz	carbonate calcite vein, white, mode	rately soft, void of													

											Au	FaGeo	FaGeo2	FaGrav	FaGrav2		Metallic	DUP FaGeo	DUP FaGrav
							From	То	Length	Sample #	(avg g∕t)	(ppb)	(ppb)	(g/t)	(g/t)	Cert #	(g/t)	(ppb)	(g/t)
		sulphid upper o	les, contain contact sha	s inclusions c rp at 22 TCA,	f contorted greyish extremely talcos lower contact broken.	se altered ultramafics,													
	Minerali	ization																	
	From	То	De	escription															
	57.54	80.06	nil	to trace pyrite															
	Veining																		
	From	То	De	escription															
	57.54	58.07	upp	per contact 25	5 TCA, lower contact broken														
Litholo	gy	_																	
From	То	Desci	ription																
58.07	86.98	Ultrama grained	afic Metavo d section fro	Icanics. Samon 68.03m to	e as 43.29m to 57.54m, fine graine 70.70m and 75.93m to 80.06m.	ed with fine to medium													
	Veining																		
	From	То	De	escription															
	60.93	60.97																	
	64.46	64.54	CA	approximate	as core is broken														
	Structur	re To	<b>T</b>	later eiter	Description														
		10	Type	mensity	Description	TCA SITIKE DIP													
	58.00	68.02 70.09	sh		contacts around	55													
	Veining	70.08	511	3	contacts ground														
	From	То	De	escription															
	71.80	71.87																	
	Structur	re																	
	From	То	Туре	Intensity	Description	TCA Strike DIP													
	72.46	72.76	gou	m	contacts ground, broken core, talcose gouge														
	73.90	74.16	SZ	m	contains small fragments of	48													
					metavolcanics, numerous														
					sections of talcose shear gouge														
	75.22	75.59	gou	m	lower contact 40, talcose gouge	40													
	veining	Ta		occulation															
	77.54	77 55	De	escription	:0/ blob pyrita														
	77.54	79.67	stre	naly contorte	on bieb pyrite od irregular stringer containing0 5%	to 1.0% pyrite small													
	70.11	10.01	ble	bs															
	Minerali	ization																	
	From	То	De	escription															
	80.06	83.80	trao stri	ce to 1%, loca ngers	ally associated with quartz carbonat	te fracture filling irregular													
	Veining																		
	From	То	De	escription															
	81.98	82.04	we	akly laminate	d with talc, scattered pyrite blebs no	ear lower contact													
	Structur	re T-	т.,		Description														
	From	10	Type	Intensity	Description	ICA Strike DIP													
	82.32	82.36	gou	S	taicose snear gouge	45													

						From	То	l ength	Samnle #	Au (ava a/t)	FaGeo (nnh)	FaGeo2	FaGrav	FaGrav2	Cort #	Metallic	DUP FaGeo	DUP FaGrav
	Voining					110111	10	Length	Sample #	(avg g/t)	(ppb)	(ppb)	( <i>g/1</i> )	( <i>g/l)</i>	Cent #	(g/1)	(ppb)	( <i>g/1)</i>
	From	То	Description															
	83.52	85.53	stringer displace	d by fracture 3cm 30 TCA, contains	s verv fine grained													
			pyrite at contacts	3														
	Mineraliz	ization																
	From	То	Description															
	83.80	86.98	nil to trace pyrite															
	Structur	re T-	<b>T</b>	Description														
	From	10	Type Intensity	Description	TCA Strike DIP													
	85.63	85.72	gou s	taicose snear gouge	55													
	From	То	Description															
	86.57	86.73	section of numer	rous carbonate stringers separated	by talcose													
	Structur	ro	metavolcanics, r	nil sulphides														
	From	То	Type Intensity	Description	TCA Strike DIP													
	86.97	86.98	Lont s		30													
Litholog	ay																	
From	То	Desc	ription															
86.98	88.89	Mafic I to very moder discon	Dyke. Fine to medium gra poor development of foli ately soft, excellent recov ate to poor RQD, scattere tinuous stringers and larg les, lower contact termina	ined, dark brownish, massive, unif ation or schistosity, nil to very weak ery, scattered chlorite filled fracture ed calcite and or carbonate irregula je oval masses, overall 3% to 5% v ted at 0.5m carbonate stringer 90	orm, homogeneous, nil dy magnetic, es resulting in r, contorted and eining, nil to trace													
	Minerali	ization		ated at 0.00m carbonate stringer of	10/1													
	From	То	Description															
	86.98	88.89	nil to trace pyrite	1														
Litholog	<i>ay</i>																	
From	То	Desc	ription															
88.89	96.90	Ultram 0.5% t	afic Metavolcanics. Same o 1% carbonate irregular	e as 58.07m to 86.98m, nil to weak and contorted stringers, lower cont	ly magnetic, overall act area gradational.													
	Mineraliz	ization	, i i i i i i i i i i i i i i i i i i i		Ū.													
	From	То	Description															
	88.89	94.62	nil to trace pyrite															
	Structur	re																
	From	То	Type Intensity	Description	TCA Strike DIP													
	89.33	90.66	SZ s	section with numerous narrow talcose shear gouges within talcose ultramafic metavolcanics, locally crumbly core	65													
	Sublitho	2																
	From	То	Description															
	94.62	95.36	Lamprophyre. Li void of foliation, extremely weak and calcite and o	ght greyish pale brown, massive, u sharp intrusive contacts, void of su magnetic, moderately soft, scattere carbonate phenocrysts, excellent re	niform, homogeneous, lphides, nil to ed small mafic (chloritic) ecovery.													

							From	То	Lenath	Sample #	Au (ava a/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (a/t)	FaGrav2 (a/t)	Cert #	Metallic (a/t)	DUP FaGeo (ppb)	DUP FaGrav (ɑ/t)
	Structure	A									( 9 9, -/	(	(	(3-7	(9) 9		(3/-7	(	(3.9
	From	То	Type Intensity	Description	TCA S	trike DIP													
	94.62	94.63	Lont s		25														
	Mineraliz	zation																	
	From	То	Description																
	94.62	95.36	nil																
	Structure	е																	
	From	То	Type Intensity	Description	TCA S	trike DIP													
	95.35	95.36	Lcnt s		35														
	Mineraliz	zation																	
	From	То	Description																
	95.36	96.90	nil to trace pyrite																
Litholo	gy																		
From	То	Descrip	otion																
96.90	135.00	Ultramafi greyish m foliation a stringers, discontin carbonate fine to fin from 96.9 degrees,	ic Metavolcanics. Aphan nedium green, massive at 60 TCA, overall scatt generally 2% to 3% sc uous stringers and vein e alteration and talcose le grained pyrite, nil to v dom to 102.00m, from 1 excellent core recovery	nitic to fine grained, light to medium, uniform, homogeneous, nil to ver ered 0.5% to 1.0% contorted and attered quartz and quartz carbona lets ranging from 50 TCA to 65 TC alteration, generally scattered to v rery weak magnetic, moderately so 02.00m onwards moderately hard v, lower contact gradational.	n greenish g y poor devel regular cark e contorted A, weak pe yeakly disse ft to modera and siliceou	prey to lopment of conate and rvasive minate very ately hard is to varying													
	Mineraliz	zation																	
	From	То	Description																
	96.90	104.86	weakly dissemina 2%, very fine gra	ated, overall 1% locally over sever ined	al centimetre	es 1% to													
	Alteratio	n																	
	From	То	Description																
	96.90	135.00	pervasive and un alteration	iform carbonate alteration, moder	te to strong	talcose													
	Mineraliz	zation																	
	From	То	Description																
	104.86	135.00	poorly dissemina pyrite	ted overall 0.5% to locally 1.0% ve	ry fine to fin	e grained													
	Veining																		
	From	То	Description																
	118.00	118.05																	
	119.51	119.54																	
	120.60	120.63	void of sulphides																
Litholo	122.01	122.94																	
From	ду То	Descrip	otion																
135.00	138.03	Ultramafi massive, less than grained p green un	c Metavolcanics. Fine g uniform and homogene 0.5%, moderately soft, pyrite 1% to 2%, excelle altered patches, contac	grained, light to medium green, str eous, void of foliation or schistosity nil to very weak magnetic, dissem nt core recovery, lower half patch is alteration and gradational.	ng carbona , very rare v inated very carbonated	te alteration, reining fine I with black													

							From	То	Lenath	Sample #	Au (ava a/t)	FaGeo (ppb)	FaGeo2 (ppb)	FaGrav (a/t)	FaGrav2 (a/t)	Cert #	Metallic (a/t)	DUP FaGeo (ppb)	DUP FaGrav (g/t)
	Minerali	zation							_eg	••••• <i>p•••</i>	(	(~~~)	(~~~)	(9/-/	(9/-/		(9/-/	(PP=)	(9/-/
	From	То	D	escription															
	135.00	138.03	dis	seminated ve	ry fine to fine grained pyrite														
	Alteratio	n																	
	From	То	D	escription															
	135.00	138.04	per	rvasive, khaki ong talcose al	green altered, weak moderate cark terations	ponate and moderate													
Lithold	ogy			-															
From	То	Descrip	otion																
138.03	183.70	Ultramafi fine grain by talcos foliation t moderate foliation, changed	c Metavo led pyrite e alteratio o strong ely soft to scattered from dou	blcanics. Same , weak develo on starting abo ranging from to soft core, sca d irregular larg uble shell to sin	e as 96.90m to 135.00m, nil to trace opment of foliation in scattered section out 152.00m gradually becoming m 55 to 70 TCA changing to moderate attered calcite carbonate stringers g e masses, rare cross cutting stringen ngle shell at 161.00m.	e scattered very fine to on at 65 with strongly oderately strong e foliation at 178.90m, enerally parallel to er of foliation, drillers													
	Mineraliz	zation																	
	From	То	D	escription															
	138.03	183.70	nil	to trace very f	fine to fine grained pyrite														
	Alteratio	n																	
	From	То	D	escription															
	138.04	183.70	per	rvasive carbor	nate alteration, moderate talcose al	teration													
	Structur	е																	
	From	То	Tvpe	Intensitv	Description	TCA Strike DIP													
	140 50	140 70	sh	s	strong talcose shearing	50													
	141.43	141.49	sh	s	strong talcose shearing	40													
	152.00	152.01	fol	wm	weak development increasing to	65													
					moderate then to moderately strong foliation														
	159.04	159.05	fol	ms		70													
	Veining																		
	From	То	D	escription															
	165.05	165.06	pa	rallel to foliatio	วท														
	165.27	165.31																	
	Structur	е																	
	From	То	Туре	Intensity	Description	TCA Strike DIP													
	166.36	167.07	BC	ms	broken core probably due to increase in talcose alteration and strong development of foliation														
	167.07	167.08	fol	ms		55													
	167.08	169.22	BC	ms															
	169.22	169.26	gou	S		60													
	Veining																		
	From	То	D	escription															
	169.80	170.01	Ian	per contact irr	egular, lower contact at 65 TCA														
	170.62	170.70	qua	artz carbonate	e vein cross cuts foliation, minor pyr	ite associate with wall													
	173.68	174.14	qua	artz carbonate	e vein cross cuts foliation, contains	about 50% wall rock as													

								From	To	l onath	Sample #	Au (ava a/t)	FaGeo	FaGeo2	FaGrav	FaGrav2	Cort #	Metallic	DUP FaGeo	DUP FaGrav
			thir	laminations	narrow strack of pyrite on upper	ontact		FION	10	Length	Sample #	(avy y/i)	(ppb)	(ppb)	( <i>g/l)</i>	( <i>g/l)</i>	Cent#	( <i>g/1)</i>	(ppb)	(g/l)
	Structur	e	um	riaminations,	narrow streak of pyrite on upper t	Uniaci														
	From	То	Type	Intensity	Description	ТСА	Strike DI	Р												
	174.34	174.42	gou	s		60														
	Veining																			
	From	То	De	escription																
	175.82	175.96	vei	n parallel to fo	oliation															
	Structur	re																		
	From	То	Туре	Intensity	Description	TCA	Strike DI	Р												
	183.69	183.70	Lcnt	S		50														
Litholo	ogy																			
From	То	Descri	ption																	
183.70	<ul> <li>188.70 188.70 Graphitic Tuffaceous Mafic Metavolcanics. Black graphitic and pale greenish grey tuff interflow mafic metavolcanic, aphanitic to fine grained, very strong development of bedding from 1mm to 2cm ranging from 35 to 55 TCA, generally 30% to 40% graphitic material and 60% to 70% tuff, minor amount approximately 20% calcite carbonate tvining parallel to bedding, overall vein composition approximately 20% calcite carbonate tvining strong bedding, overall vein composition approximately 20%, nil to trace sulphides, moderately soft to TCM to trace sulphides and the trace sulphides</li></ul>																			
	Mineraliz	zation	_																	
	From	То	De	escription																
	183.70	188.70	nil	to trace sulph	ides															
	Alteratio	on T-	-																	
	+rom	100 70	De	escription	adarata nanyasiya sarbanata altar	otion														
	Structur	100.70	we	ak to weak-m	oderate pervasive carbonate alter	allon														
	From	Το	Type	Intensity	Description	ТСА	Strike Dl	Р												
	185.20	185.21	bed	s	laminated graphitic tuffaceous mafic metavolcanics	30														
	187.00	187.01	bed	S	laminated tuffaceous mafic metavolcanics	50														
	188.34	188.35	bed	S	laminated tuffaceous mafic metavolcanics	35														
	188.69	188.70	Lcnt	S	lower contact at graphitic tuff and non graphitic tuff	40														
Litholo	рду																			
From	То	Descri	ption																	
188.70	hology m To Becription 8.70 213.7 Tuffaceous Malic Matvolcanics. 188.70 to 19.1.3 - pale greenish grey interflow tuff, and incomparing the prained, very strong development of bedding 35 to 50 TCA, calcite carbonate fracture filling stringers with majority parallel to bedding 35 to 50 TCA, calcite carbonate fracture filling, aphantic to fine grained, very strong development of bedding orgens and 19.1.13 to 205.24 - pale grey to light greenish grey and sections of masive flows, 19.1.13 to 205.24 - pale grey to light greenish grey and sections of masive flows, scattered white to greyish white quartz with or without carbonate fracture filling stringers or so cutting folling, aphantic to fine grained, under ately braile to follation and Imm to 2mm calcite carbonate fracture filling stringers or so cutting folling, orgensite flows, scattered white to greyish white quartz with or without carbonate generally parallel to follation and Imm to 2mm calcite carbonate fracture filling stringers or so cutting floms dution, weak to weak-moderate pervasive carbonate learation, non-magnetic, overall 1% to 2% scattered fine to medium grained pyrite in matrix, moderately hard.																			
	From	То	De	escription																

						From	То	l onath	Sample #	Au (ava a/t)	FaGeo (nnh)	FaGeo2	FaGrav	FaGrav2	Cort #	Metallic	DUP FaGeo	DUP FaGrav
188 70	190 90	nil to trace sulph	ides			110111	10	Length	Gample #	(avg g/t/	(ppb)	(ppb)	(9/1)	(9/1)	0011#	(9/1)	(ppb)	(9/7)
Alteratio	n																	
From	То	Description																
188.70	213.27	weak to weak m	oderate pervasive carbonate altera	tion														
Sublitho	•																	
From	То	Description																
189.81	190.38	Graphitic tufface	eous mafic metavolcanics, same as	183.70	m to 188.70m.													
Structur	e																	
From	То	Type Intensity	Description	ТСА	Strike DIP													
190.90	190.91	Ucnt s	upper contact of quartz vein	65														
Mineraliz	zation																	
From	То	Description																
190.90	191.13	nil																
Veining	<b>T</b> .	Description																
From	10	Description																
Structur	191.13 n																	
From	To	Type Intensity	Description	тса	Strike DIP													
101 12	101 13	Lont s	lower contact of quartz vein	60	Ourke Di													
Mineraliz	zation	Lonit	ionor contact of quartz voin	00														
From	То	Description																
191.13	192.42	nil to trace sulph	ides															
Structur	e																	
From	То	Type Intensity	Description	ТСА	Strike DIP													
192.42	192.43	Ucnt s	upper contact of quartz vein	35														
Mineraliz	zation																	
From	То	Description																
192.42	192.82	nil																
Veining	<b>T</b> .	Description																
<b>From</b>	100.00	Description			ath areas sutting													
192.42	192.82	foliation, white, of to 7% matic met	ppaque, barren void of sulphides, ci avolcanic inclusions	ontains	approximate 5%													
Structur	е	to 7,5 maile me																
From	То	Type Intensity	Description	ТСА	Strike DIP													
192.81	192.82	Lont s	lower contact of quartz vein	70														
Mineraliz	zation																	
From	То	Description																
192.82	213.27	trace to 0.5% fir tuffaceous fragm	ne grained pyrite parallel to foliation mental	of inter	flow tuff to													
Sublitho	)																	
From	То	Description																
196.60	202.60	Tuffaceous to fr distinct change	agmental tuff with small sections of in colour to a darker green due to ir	foliated	massive flow, g chlorite content.													

					From	То	Longth	Sampla #	Au (ava a/t)	FaGeo	FaGeo2	FaGrav	FaGrav2	Cort #	Metallic	DUP FaGeo	DUP FaGrav
Structu	Iro				FIOIII	10	Lengin	Sample #	(avy y/i)	(ppb)	(ppb)	(g/i)	(g/l)	Cert #	( <i>y/ı)</i>	(ppb)	(g/t)
From	To	Type Intensit	v Description	TCA Strike DIP													
196.84	196.85	fol ms	y Booonphon	55													
Veining	9																
From	То	Descriptior	1														
197.30	197.35	white opaque	quartz carbonate vein, void of sulph	nides													
Lithology																	
From To	Desc	ription															
213.27 219.2	3 Massi greeni interflo contor interflo rare q 5% fin magno	ve Mafic Metavolcanic ish light grey, massive v ow tuff, very weakly cart ted but generally displa ow tuff overall 5% to 7% uartz and or carbonate v le grained to bleb massi etic, moderately hard.	Aphanitic to fine grained, light to me vith scattered interflow tuff to chlorit ponated, scattered 1mm up to 5mm ce calcite fracture filling stringers cr calcite veining, few scattered 3cm veining, nil to trace sulphides in ma es of pyrite parallel to tuff bedding g	edium grey to pale tic and or graphitic 1 low angle minor ross cutting and parallel to to 5cm calcite veinlets, issive metavolcanic, 3% to generally at 35 TCA, non													
Minera	lization																
From	То	Descriptior	ו														
213.27	219.23	trace to 0.5% f	fine pyrite, higher pyrite content in i	nterflow tuff													
Alterat	ion																
From	То	Descriptior	ו														
213.27	230.68	weak to weak-	moderate carbonate alteration		218.00	219.23	1.23	E5692159									
Veining	9																
From	То	Descriptior	ו														
218.82	218.88	white opaque, sulphides	upper contact 45 TCA, lower conta	act 50 TCA, void of													
Lithology																	
From To	Desc	ription															
219.23 219.6	1 Quartz metav fine to	z Vein. Massive, white, o olcanic near upper cont fine grained pyrite at ar	opaque, quartz vein, minor inclusion act at 60 TCA, lower contact at 40 nd near upper contact.	ns of light grey mafic TCA, trace to 0.5% very													
Structu	ıre																
From	То	Type Intensit	y Description	TCA Strike DIP													
219.23	219.24	Ucnt s	sharp upper contact	60													
Minera –	lization -																
From	То	Description	1	<b>X</b> 1 <b>X</b>													
219.23	219.61	trace to 0.5% f	fine pyrite at or near upper contact of	of white quartz vein													
From	To	Description															
219 23	219.61	white opaque	quartz vein upper contact 60 TCA	lower contact 40 TCA													
210.20	2.0.01				219.23	219.61	0.38	E5692160									
Structu	ıre																
From	То	Type Intensit	y Description	TCA Strike DIP													
219.60	219.61	Lcnt s	sharp lower contact	40													
Lithology																	
From To	Desc	ription															

						<b>-</b>	τ.	1	0	Au (	FaGeo	FaGeo2	FaGrav	FaGrav2	0	Metallic	DUP FaGeo	DUP FaGrav
219.61	230.68	8 Massive	Mafic Metavolcanic. Sa	ame as 213.27m to 219.23, scatte	red quartz or quartz	From	10	Length	Sample #	(avg g/t)	(ррь)	(ррь)	(g/t)	(g/t)	Cert #	(g/t)	(ррь)	(g/t)
		carbona	te stringers overall 3% f	from 229.00m to 239.16 and 1% s	cattered calcite stringers.													
	Minerali. –	ization _																
	From	То	Description															
	219.61	226.74	trace to 0.5% fin	ne pyrite, higher pyrite content in in	terflow tuff			. 50	<b>FF600 1 0 1</b>									
						219.61	221.11	1.50	E5692161									
	Voining					225.24	226.74	1.50	E5692162									
	From	То	Description															
	225.46	225 53	white opaque qu	lartz veinlet barren void of sulphic														
	225.91	226.02	white opaque qu	uartz veinlet, contorted to wavy cor	ntacts, barren void of													
	Sublithe	2	balpindoo															
	From	То	Description															
	226.74	229.06	Pyritiferous tuffa parallel to beddi	aceous mafic metavolcanics with 5 ing at 35 TCA from 226.74 to 227.	% to 7% fine pyrite 40m.													
	Minerali	ization		•														
	From	То	Description															
	226.74	227.40	5% to 7% fine gr bedding	rained pyrite parallel to tuffaceous	mafic metavolcanic													
						226.74	227.40	0.66	E5692163									
	Minerali	ization																
	From	То	Description															
	227.40	230.68	trace to 0.5% fin	ne pyrite, higher pyrite content in in	terflow tuff													
						227.40	228.90	1.50	E5692164									
						228.90	230.68	1.78	E5692165									
	Veining	<b>T</b> -	Description															
	From	10	Description		<i>с</i>													
	230.52	230.68	white quartz cart inclusions, barre	bonate veinlet with chlorite and ma en void of sulphides	afic metavolcanic													
	Structur	To	Typo Intonsity	Description	TCA Strika DIP													
	220.67	020.69	Lont m	contact with quartz carbonate	AO													
	230.07	230.00	Lont	veinlet														
Litholo From	gy To	Descri	ption															
230.68	238.06	5 Tuffaced	ous Mafic Metavolcanics	s. Similar to above, mix of scattere	ed sections of interflow													
		tuff gene pyrrhotit	erally 13cm to 22cm rare e parallel to tuffaceous	e sections up to 50 cm, contains w bedding and irregular large masse nd massive matic metavolcanic for	vispy to laminated es overall 10% to 15% in													
		grained,	very strong developme	ent of bedding 40 TCA, scattered 2	mm to 5mm barren white													
		opaque flow sec	quartz carbonate stringe tions, interflow tuff mode	lers overall 3%, weak developmen lerate to strongly magnetic due to t	t of foliation in massive the presence of													
		pyrrhotit	e and minor pyrite, mas	ssive flows are very weakly magne	tic, moderately hard.													
	Minerali.	ization	_															
	From	То	Description															
	230.68	238.06	scattered sectior up to 50 cm, con bedding and irre	ns ot interflow tuff generally 13cm ntains wispy to laminated pyrrhotite gular large masses overall 10% to	to 22cm rare sections e parallel to tuffaceous o 15% in interflow tuff with													

					<b>F</b> wa ma	Ta	l a wath	Comula #	Au	FaGeo	FaGeo2	FaGrav	FaGrav2	0	Metallic	DUP FaGeo	DUP FaGrav
			minor pyrite, nil to trace sulphides in massive flow	section	From	10	Length	Sample #	(avg g/t)	(ррь)	(ррь)	( <i>g/t)</i>	(g/t)	Cert #	( <b>g</b> /t)	(ppb)	(g/t)
	Alteratio	n	· · · · · · · · · · · · · · · · · · ·														
	From	То	Description														
	230.68	238.06	weak to weak-moderate carbonate alteration														
					230.68	231.90	1.22	E5692166									
					231.90	233.40	1.50	E5692167									
					233.40	234.90	1.50	E5692168									
					234.90	236.40	1.50	E5692169									
					236.40	237.20	0.80	E5692170									
					237.20	238.06	0.86	E5692171									
	Structur	e															
	From	То	Type Intensity Description	TCA Strike DIP													
	238.05	238.06	Lont s	35													
Litholo	gy																
From	То	Descrip	tion														
238.06	256.65	Massive I	Mafic Metavolcanic. Same as 219.61m to 230.68m.														
	Mineraliz	zation															
	From	То	Description														
	238.06	256.65	trace to 0.5% fine pyrite, higher pyrite content in ir	nterflow tuff													
	Alteratio	n															
	From	То	Description														
	238.06	256.65	weak to weak-moderate carbonate alteration														
					238.06	239.56	1.50	E5692172									
	Veining																
	From	То	Description														
	245.86	245.92	white opaque quartz carbonate veinlet, void of sul	phides													
	254.91	255.16	white opaque ankerite vein, both contact ground to sulphides	o 80 to 85 TCA, barren of													
Litholo	qv																
From	То	Descrip	tion														
256.65	306.90	- Massive I	Mafic Metavolcanic. Fine to medium grained. slight dark	enina to medium arev to													
		medium g	preenish grey for massive flows, interflow tuffs dark gree	en to chlorite increase													
		and black verv weal	tish green to increases in chlorite and possibly graphite carbonate alteration, 0.5% to 1% overall guartz with or	than above similar unit, r without carbonate													
		stringers	general less than 3mm, trace to less than 0.5% fine pyri	ite, rare pyrrhotite streak,													
		tuffaceou	o 2% fine grained pyrite locally over 2cm to 15cm gener s or fragmental tuff interflow, non-magnetic except with	the presence of													
		pyrrhotite	, moderately hard.	•													
	Mineraliz	zation															
	From	То	Description														
	256.65	268.70	nil to trace pyrite, very rare pyrrhotite														
	Alteratio	on Te	Description														
	256.65	306.90	vesk to weak moderate legally due to increase of	chlorite and locally													
	200.00	300.90	graphite	chione and locally													
	Sublitho	)															
	From	То	Description														

									Au	FaGeo	FaGeo2	FaGrav	FaGrav2		Metallic	DUP FaGeo	DUP FaGrav
					From	То	Length	Sample #	(avg g∕t)	(ppb)	(ppb)	(g/t)	(g/t)	Cert #	(g/t)	(ppb)	(g/t)
268.70	280.09	Section domina interflow tuff and	ted approximately 50% by chloritic ( d massive mafic metavolcanic flows	(minor) and graphitic s.													
Mineraliz	zation																
From	То	Description															
268.70	280.09	trace pyrite and	rare pyrrhotite														
Structur	е																
From	То	Type Intensity	Description	TCA Strike DIP													
271.65	271.66	fol s		60													
275.12	275.13	bed s		50													
275.96	276.04	sh s	strong sheared graphitic interflow tuff	45													
Sublitho																	
From	То	Description															
280.09	296.75	Gradual change moderately soft massive, wispy	e from fine to medium grained to me to moderately hard, darker grey to chlorite and or graphitic fracture filli	dium grained, greenish dark grey, ng, nil to trace sulphides.													
Mineraliz	zation																
From	То	Description															
280.09	306.90	nil to trace pyrite	e, very rare pyrrhotite														
Structur	е																
From	То	Type Intensity	Description	TCA Strike DIP													
280.85	280.90	sh s	rubble, possible shear														
Veining																	
From	То	Description															
282.53	282.59	opaque to trans irregular contac	lucent, white, coarse grained crysta ts, nil sulphides	lline, contorted and													
Structur	е																
From	То	Type Intensity	Description	TCA Strike DIP													
296.59	296.68	SZ s	rubble core, no core angles available possibly 20 TCA														
Sublitho																	
From	То	Description															
296.75	297.73	Section with 6 r high probability	narrow highly sheared places rangin of shearing or very poor ground.	g from 2cm up to 5cm,													
Veining																	
From	То	Description															
297.38	297.45	contorted, light	grey milky white quartz veinlet, inclu	sions, void of sulphides													
297.60	297.67	contorted, light sulphides, uppe mafic metavolca	grey milky white quartz veinlet, inclu r contact 55 TCA, lower contact 60 anics	isions, void of next to sheared massive													
Sublitho																	
From	То	Description															
297.73	307.00	Similar to 256.6 medium grey, n fracture filling to tuff, generally tr occasionally py	55m to 280.09m, light to medium gre nassive, with small sections of chlor o lithological composition change, tu ace to less than 0.5% sulphides usu rrhotite.	ey to greenish light to itic and or graphitic ffaceous to fragmental ually fine pyrite and													

						From	Το	l enath	Sample #	Au (ava a/t)	FaGeo (nnh)	FaGeo2 (ppb)	FaGrav (a/t)	FaGrav2 (a/t)	Cert #	Metallic (a/t)	DUP FaGeo (nnb)	DUP FaGrav (a/t)
Litholoc	v							g	Campio #	(	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(1010-20)	(9, -)	(9, 1)	••••	(9/-/	(PP=)	(9,9)
From	,, To	Descrir	ntion															
206.00	219.10	Magaina	and Tuffaaaaua Mafia I	Matavalaaniaa, Blaakiah light grou	to modium grov, fino													
306.90	318.10	grained, tuffaceou stringers carbonati sections 5cm, ove carbonati galena as weak ma	and rundeeus Marie 1 massive with good dev us fragmental, generally near parallel to core av e 3mm to 5mm stringer of laminated stringers a arall trace to 0.5% scatt e stringers parallel to a ssociated with pyrite in ggnetic except when pyrite	vietavolcanics. Blackish light grey elopment of foliation mixed with g / 1mm to 2mm calcite and quartz kis to 30 TCA parallel to tuff beddi rs cross cutting foliation and tuff b and tuff, rare quartz with or withou ered pyrite in matrix, few to rare p nd cross cutting tuff and tuffaceou quartz carbonate stringers paraller rrhotite is present, moderately har	raphitic tuff to graphitic carbonate fracture filling ing, minor quartz vedding at 50 TCA, minor it carbonate in excess of pyrite in narrow quartz us fragmental, rare el to bedding, nil to very rd to hard.													
	Mineraliz	ation																
	From	То	Description															
	306.90	313.96	trace to 0.5% fin generations of q bedding, rare ga	e pyrite in matrix, generally scatte uartz carbonate stringers parallel lena associated with pyrite in strir	ered pyrite in two and cross cutting tuff nger parallel to tuff bedding													
	Alteratio	n																
	From	То	Description															
	306.90	318.10	weak carbonate	alteration, unit dominated by grap	bhite													
	Structure	9																
	From	То	Type Intensity	Description	TCA Strike DIP													
	310.92	310.93	bed s	graphitic bedding in tuff	35													
						312.00	313.50	1.50	E5692174 E5692173 E5692175									
	Mineraliz	ation				010100	010100		20002.7.0									
	From	То	Description															
	313.96	314 12	pyrite in stringers	s and tuff. fine grained and masse	es e													
	314 12	314 84	0.5 to 1% scatte	red fine grained pyrite parallel to b	peddina													
	314.84	315.25	2% to 3% fine py	rite stringers and laminations sor	ne with parallel stringers													
			containing fine p	yrite														
						315.00	316.50	1.50	E5692176									
	Mineraliz	ation																
	From	То	Description															
	315.25	315.57	0.5 to 1% scatte	red fine grained pyrite parallel to b	bedding													
	315.57	315.63	2% fine pyrite on	n quartz veinlet contacts														
	Veining –	_																
	From	То	Description															
	315.57	315.63	315.57 veinlet te contorted 25 to 3	rminated by fracture at 80 TCA, s 30 TCA, pyrite generally confined	tringer contacts slightly to contacts semi massive													
	Structure	9																
	From	То	Type Intensity	Description	TCA Strike DIP													
	315.60	315.61	bed s	bedding in graphitic tuff	25													
	Mineraliz	ation																
	From	То	Description															
	315.63	316.92	0.5 to 1% scatte	red fine grained pyrite parallel to b	pedding													
						316.50	318.10	1.60	E5692177									

						From	То	l onath	Sample #	Au (ava a/t)	FaGeo (nnh)	FaGeo2	FaGrav	FaGrav2	Cort #	Metallic	DUP FaGeo	DUP FaGrav
	Voining	•				110111	10	Length	Sample #	(avg g/t)	(ppb)	(ppb)	(g/ <i>i</i> )	(g/ <i>t)</i>	Gent #	(g/ <i>i</i> )	(ppb)	(g/ <i>t</i> /
	From	To	Description															
	216 59	216 50	Description	a stringer with purite and galana														
	Mineral	Jization	contorted quartz	z stringer with pyrite and galena														
	From	To	Description															
	316.92	316.98	masses of fine of	grained pyrite 2% to 3%														
	Veining	910.30 1																
	From	, 	Description															
	316.92	316.98	contacts slightly	contorted parallel to bedding, m	asses of fine grained pyrite													
	Mineral	lization																
	From	То	Description															
	316.98	318.10	0.5 to 1% scatte	ered fine grained pyrite parallel to	bedding													
Lithold	ogy																	
From	То	Descri	ption															
318.10	333.5	5 Massive grey, ma approxin stringers stringers trace fin	Mafic Metavolcanics. A assive, uniform, homog nately at 30 to 40 TCA, s usually less than 1cm. s, graphitic fracture fillin e grained pyrite, non-m	Aphanitic to fine grained, light but leneous, rare interflow tuff, poor c , 0.5% to 1.0% scattered quartz v , few scattered 1mm to 2mm cak ng, very weak development of car lagnetic, moderately hard to hard	ff grey to light-medium development of foliation with or without carbonate cite fracture filling rbonate alteration, overall l.													
	Structu	re																
	From	То	Type Intensity	Description	TCA Strike DIP													
	318.10	318.11	Ucnt s	sharp contact 30 TCA	30													
	Mineral	lization																
	From	То	Description															
	318.10	328.10	trace to 0.5% fir	ne grained pyrite														
	Alterati	on																
	From	То	Description															
	318.10	328.10	very weak to we	eak carbonate alteration														
						318.10	319.50	1.40	E5692178									
						319.50	321.00	1.50	E5692179									
						321.00	322.50	1.50	E5692180									
	01					322.50	324.00	1.50	E5692181									
	Structu	To	Tumo Internette	Description														
	From	10	Type Intensity	Description	ICA Strike DIP													
	323.71	323.72	tol m		32			. 50	55000/00									
						324.00	325.50	1.50	E5692182									
						325.50	327.00	1.50	E5692183									
	Minoral	lization				327.00	328.50	1.50	E5692184									
	From	То	Description															
	328.10	330.82	1% to locally 2% downhole up to	6 fine grained euhedral pyrite gra 6mm	ding to coarse grained													
	Alterati	on																
	From	То	Description															

													Au	FaGeo	FaGeo2	FaGrav	FaGrav2		Metallic	DUP FaGeo	DUP FaGrav
									From	То	Length	Sample #	(avg g/t)	(ppb)	(ppb)	(g/t)	(g/t)	Cert #	(g/t)	(ppb)	(g/t)
	328.10	330.82	very wea	k to wea	k carbonate alteration																
									328.50	330.00	1.50	E5692185									
									330.00	330.82	0.82	E5692186									
	Sublithe	2																			
	From	То	Descri	otion																	
	330.82	332.40	Massive banding fine grain	unit of s typical o ned pyrite	trong foliation or bedding at 35 TC f interflow tuffs, moderate carbona e either as laminations or wispy ba	CA, void o ate altera ands, les	of graphit ation, 5% is than 0.	ic to 7% 5%													
	Minoroli	ization	cross cui	ting calc	cite stringers cross cutting toliation	i, rare qu	lartz strin	gers.													
	Erom		Dosoriu	ntion																	
	220.92	222.40	5% to 7%	fine ar	ained pyrite either as laminations (	or wienv	bande														
	Alteratio	332.40	5781077	o nine gra	aned pyrite either as laminations (	л мізру	Danus														
	From	To	Descriu	ntion																	
	330.82	332 40	Deseri	onon																	
	000.02	002.10							330.82	332.40	1.58	E5692187									
	Structur	re																			
	From	То	Type Inte	ensitv	Description	ТСА	Strike	DIP													
	331.09	331 10	fol s	<b>,</b>	massive unit either tuff void of	35															
	001100				graphite or strongly foliated massive mafic metavolcanics																
	Sublithe	ס																			
	From	То	Descrij	otion																	
	332.40	333.55	Massive uniform o magnetic	unit with dissemin c, 1% co	patches of moderate foliation at 4 ated 10% to 15% very fine to fine ntorted quartz stringers void of sul	40 TCA, grained lphides.	siliceous pyrite, no	, hard, on-													
	Minerali	ization																			
	From	То	Descrij	otion																	
	332.40	333.55	10% to 1	5% very	fine to fine grained disseminated	pyrite															
	Alteratio	on																			
	From	То	Descrij	otion																	
	332.40	333.55	siliceous,	, hard																	
									332.40	333.55	1.15	E5692188									
	Structur	re																			
	From	То	Type Inte	ensity	Description	ТСА	Strike	e DIP													
	333.54	333.55	Lcnt s		slightly contorted lower contact of massive mafic metavolcanics	50															
Litholo	gy																				
From	То	Descri	iption																		
333.55	333.70	) Lost Co	re. 15cm lost cor	re in gra	phitic zone.																
	Structur	re																			
	From	То	Type Inte	ensity	Description	TCA	Strike	e DIP													
	333.55	334.58	BC s		broken core in graphitic zone																
	Minerali	ization																			
	From	То	Descrij	otion																	
	333.55	333.70	lost core																		

						Erom	Ta	Longth	Sampla #	Au (ova a/t)	FaGeo	FaGeo2	FaGrav	FaGrav2	Cort #	Metallic	DUP FaGeo	DUP FaGrav
						333 55	333 70	0.15		(avy y/l)	(ppb)	(ppb)	( <i>g/l)</i>	( <i>g/l)</i>	Cent#	( <i>g/l)</i>	(ppb)	( <i>g/l)</i>
Litholog	IV					000.00	000.70	0.10	20									
From	То	Descri	ption															
333.70	334.59	Massive scattered metavolo massive pyrite ap 15cm of	Graphitic Tuff. Black, d section and brecciat sanic, discontinuous b to massive pyrite app proximately 70%, brok lost core, irregular con	aphanitic, bedding at 40 TCA, local b ed fragments of massive to tuffaceou recciated carbonate stringers, small s roximately 90%,lower contact area 60 ken core, non-magnetic, soft to mode ntacts.	precciated section, s mafic section of semi- cm of semi-massive rately soft, zone has													
	Mineraliza	ation																
	From	То	Description															
	333.70	334.59	two sections of	semi-massive to massive pyrite														
	Alteration –	ו _																
	From	То	Description															
	333.70	334.59	very weak to w	eak carbonate alteration		000 70	004 50	0.00	55000100									
	Structuro					333.70	334.59	0.89	E2092189									
	Siluciule From	To	Type Intensity	Description	TCA Strike DIP													
	334 58	334 59	Lont s	contorted contact approximately	60													
	001.00	001.00		60 TCA overall														
Litholog	IY																	
From	То	Descri	ption															
334.59	397.42	Massive medium 360.70, I interflow scattered 1mm to very wea grained	Matic Metavolcanics. and medium grained ight buff grey to light- tuff, poor developmer d quartz with or withoo. 2mm calcite fracture fi k development of car pyrite, non-magnetic, I	Aphanitic to fine grained to 346.40 cf with development of leucoxene crysta medium grey, massive, uniform, hom nt of foliation approximately at 45 to 5 tt carbonate stringers usually less tha lling stringers, minor graphite associa bonate alteration, overall trace to less moderately hard to hard.	hanging to fine to als from 346.40 to ogeneous, rare 0 TCA, 1.0% to 2.0% In 1cm, few scattered ated with interflow tuff, s than 0.5% fine													
	Sublitho																	
	From	То	Description															
	334.59	336.08	Massive mafic graphitic conta	metavolcanic, dark to medium grey c mination.	colour change due to													
	Mineraliza	ation																
	From	То	Description															
	334.59	397.42	trace to 0.5% fi	ne grained pyrite														
	Alteration	ו																
	From	То	Description															
	334.59	397.42	very weak to w	eak carbonate alteration		334.59 336.00	336.00 337.50	1.41 1.50	E5692190 E5692192 E5692191									
	Sublitho From	То	Description															
	350.76	351.04	Interflow graph	itic tuffaceous interflow unit														
	Structure		internetti gruph															
	From	То	Type Intensity	Description	TCA Strike DIP													

							From	То	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)
	372.50	372.51	Ucnt	S	2	0													
	372.99	373.00	Lcnt	S	4	0													
Litholog	IY																		
From	То	Descr	iption																
397.42	397.42	End of I	lole.																
								[											
								EOF	H: 397.420										
								Tota	al # of samples :	37									

Total footage sampled : 44.64



