

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-415

Prospect:	Tarawera	Hole Type:	DD	Survey Type:	PLND-LiDAR	Logged By:	Oscar Nielsen
Grid:	NAD83_Z9	Hole Diameter:	96	Survey By:	Oscar Nielsen	Date Logging Start:	8/20/2016
UTM Easting	413575	Core Size:	HQ3	Azimuth:	194.8	Date Logging Complete:	9/5/2016
UTM Northing:	6815210	Casing Pulled?:	Yes	Dip:	-59.9	Drill Company:	New Age
UTM Elev. (m):	1712	Casing Depth (m):	4.5	Length (m):	854.5	Drill Rig:	Zinex A5
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	8/19/2016
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	9/4/2016
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Exploration
						Parent Hole:	

Comments:

K16-415 was designed to test a shallow geophysical anomaly in the Rhyolite Peak area and to continue into the underlying stratigraphy. The likely source of the geophysical anomaly was a 0.52 m zone of massive sulphide interval containing pyrrhotite, pyrite, chalcopyrite, and sphalerite with tourmaline porphyroblasts, intersected from 46.45 m to 46.97 m. The mineralized zone lies between an intrusive rhyolite body/strongly silicified ash tuff above it and a siliceous coherent flow below. The stratigraphy below the massive sulphide comprises amygdaloidal rhyolite bodies from 82-95 m interlayered with and underlain by a series of moderately to intensely silicified volcanoclastic rocks and fine grained epiclastic rocks. From 525.21m to 641.84m, the lithology is marked by narrow quartzite units characterized by sharp contacts and intercalated intermediate volcanic (epiclastic) units. Those could be aplitic dykes (or sills) or meta sandstone (possibly channels within the volcanic sediments). Contacts, texture and occurrence tend to suggest sedimentary origin nevertheless porphyroblast ghosts seem occasional. The bottom of the hole consists in volcanoclastic rhyolite and pelite interbedded. A unique lapilitic/garnet porphyroblasts unit is observed from 510.53m to 519.75m (potential marker unit). No significant mineralization zones are intercepted excluding the massive sulphide crosscut at 46.45m. When observed, muscovite alteration is weak whereas silicification occurs pervasively. The hole ends in at 854.50m in mudstone and mafic tuff interbedded. DHEM survey was processed successfully from bottom to top by Aurora Geosciences.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-59.9	193.4	1.4	194.8	TN14	Oscar Nielsen	8/19/2016		<input checked="" type="checkbox"/>	
11	-61.1	177.6	22.1	199.7	ReflexEzs	New Age	8/19/2016	6388	<input checked="" type="checkbox"/>	
39	-59.7	5.8	22.1	27.9	ReflexEzs	New Age	8/19/2016	3977	<input type="checkbox"/>	Likely inside drill rods
68.5	-62.2	173.9	22.1	196	ReflexEzs	New Age	8/20/2016	6288	<input checked="" type="checkbox"/>	
95.5	-53.1	351.2	22.1	13.3	ReflexEzs	New Age	8/21/2016	3073	<input type="checkbox"/>	Likely inside drill rods
122.5	-62.7	170.7	22.1	192.8	ReflexEzs	New Age	8/22/2016	6456	<input checked="" type="checkbox"/>	
149.5	-63.1	170.7	22.1	192.8	ReflexEzs	New Age	8/22/2016	6439	<input checked="" type="checkbox"/>	
176.5	-63.1	171.1	22.1	193.2	ReflexEzs	New Age	8/22/2016	6445	<input checked="" type="checkbox"/>	
200.5	-63.4	173.3	22.1	195.4	ReflexEzs	New Age	8/23/2016	6415	<input checked="" type="checkbox"/>	
227	-63.7	174.3	22.1	196.4	ReflexEzs	New Age	8/23/2016	6427	<input checked="" type="checkbox"/>	
260	-64	175.9	22.1	198	ReflexEzs	New Age	8/23/2016	5733	<input checked="" type="checkbox"/>	
290	-63.9	174.4	22.1	196.5	ReflexEzs	New Age	8/24/2016	5732	<input checked="" type="checkbox"/>	
310	-63.8	177.4	22.1	199.5	ReflexEzs	New Age	8/24/2016	5738	<input checked="" type="checkbox"/>	

GeoSpark Logger ~ Drill Log

Project:

KZK

Hole Number:

K16-415

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
341	-64	178.6	22.1	200.7	ReflexEZS	New Age	8/25/2016	5731	<input checked="" type="checkbox"/>	
371	-64	178.7	22.1	200.8	ReflexEZS	New Age	8/25/2016	5751	<input checked="" type="checkbox"/>	
395	-63.9	177.9	22.1	200	ReflexEZS	New Age	8/25/2016	5736	<input checked="" type="checkbox"/>	
425	-63.8	181.1	22.1	203.2	ReflexEZS	New Age	8/26/2016	5747	<input checked="" type="checkbox"/>	
450	-63.7	181.5	22.1	203.6	ReflexEZS	New Age	8/26/2016	5727	<input checked="" type="checkbox"/>	
482	-63.7	178.4	22.1	200.5	ReflexEZS	New Age	8/27/2016	5714	<input checked="" type="checkbox"/>	
505	-63.6	182.6	22.1	204.7	ReflexEZS	New Age	8/27/2016	5732	<input checked="" type="checkbox"/>	
536	-63.6	183.5	22.1	205.6	ReflexEZS	New Age	8/28/2016	5743	<input checked="" type="checkbox"/>	
560	-63.8	182.3	22.1	204.4	ReflexEZS	New Age	8/28/2016	5733	<input checked="" type="checkbox"/>	
600	-63.6	184	22.1	206.1	ReflexEZS	New Age	8/29/2016	5738	<input checked="" type="checkbox"/>	No survey at 585.00m due to rods slipping-foot clamp issue.
632	-63.5	184.9	22.1	207	ReflexEZS	New Age	8/30/2016	5741	<input checked="" type="checkbox"/>	
662	-63.1	186.3	22.1	208.4	ReflexEZS	New Age	8/30/2016	5706	<input checked="" type="checkbox"/>	
692	-63.2	184.7	22.1	206.8	ReflexEZS	New Age	8/31/2016	5788	<input checked="" type="checkbox"/>	
722	-62.4	186.5	22.1	208.6	ReflexEZS	New Age	9/1/2016	5720	<input checked="" type="checkbox"/>	
752	-62.4	185.7	22.1	207.8	ReflexEZS	New Age	9/2/2016	5726	<input checked="" type="checkbox"/>	
782	-62.1	188.2	22.1	210.3	ReflexEZS	New Age	9/3/2016	5728	<input checked="" type="checkbox"/>	
824	-61.9	188.4	22.1	210.5	ReflexEZS	New Age	9/3/2016	5748	<input checked="" type="checkbox"/>	
854	-61.4	189.3	22.1	211.4	ReflexEZS	New Age	9/4/2016	5725	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
0.00	4.50	OVBN Overburden									
0 - 4.5: Casing Depth, solid rock											
4.50	18.80	RHYvx Quartz and/or feldspar crystal medium grey FMG tuff									
4.5 - 18.8: 1-2 mm blue round quartz eyes and 1-2mm cream -white angular clasts (feldspar crystal fragments?) in a blue-grey ashy matrix.											
<<Min: 4.5 - 31.07 0.5% Min: Pyrrhotite>> Disseminated Pyrrhotite to near the beginning of MU/SI alteration											
<<Alt: 4.5 - 18.8 Trace Calcite>>											
18.80	19.67	RHYva Coarse grained to ash tuff grey-brown FG									
18.8 - 19.67: grey-brown fine grained ashy bed with sharp planar contacts and sub mm black euhedral biotite porphyroblasts.											
<<Alt: 18.8 - 19.67 Weak-Moderate Calcite>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %				
<p><<Alt: 18.8 - 19.67 Weak-Moderate Biotite>></p> <p><<Struc: 18.8 - 18.8 Contact>> Contact between RHYvx and RHYva with pelitic input</p> <p>19.67 23.47 RHYvx Quartz and/or feldspar crystal light grey FMG tuff</p> <p>19.67 - 23.47: 1-4 mm blue quartz crystals with deformed siliceous white deformed "curdy" lapilli in a fine mica-altered matrix, interbedded with thin biotite porphyroblastic pelite beds</p> <p><<Alt: 19.67 - 23.47 Trace Calcite>></p> <p>23.47 26.31 PEL Equigranular biotite + calcite dark grey FG +/- quartz rock</p> <p>23.47 - 26.31: Weakly banded black-biotite porphyroblastic ashy pelite unit. more pelitic material at the top</p> <p><<Alt: 23.47 - 26.31 Weak-Moderate Calcite>></p> <p><<Alt: 23.47 - 26.31 Moderate Biotite>></p> <p><<Vein: 25.63 - 25.87 100% Quartz-Carbonate>></p> <p><<Struc: 23.8 - 23.8 Bedding>> Bedding within a pelitic unit</p> <p>26.31 27.39 RHYvi Lapilli tuff light grey FCG</p> <p>26.31 - 27.39: Graded unit from an ashy lapilli bearing top to a lapilli supported conglomerate at the bottom.</p> <p><<Alt: 26.31 - 27.39 Trace Calcite>></p> <p><<Struc: 26.9 - 26.9 Bedding>> Lapilli flattening direction in a RHYvi</p> <p>27.39 29.35 RHYi Aphanitic Rhyolite (intrusion) grey pink VFG</p> <p>27.39 - 29.35: Very siliceous unit, weakly quartz phyric and massive. Thin (<10 cm) ashy domains are present, possibly xenoliths (?) could indicate that this is actually a sedimentary unit that has been silicified. Sharp planar contacts.</p> <p>29.35 46.45 RHYva Coarse grained to ash tuff light grey FG</p> <p>29.35 - 46.45: Fine grained ashy, very siliceous unit, altered in some sections to muscovite. strong silicification gives it the appearance of RHYi in some sections however the unit gradationally changes in and out of this alteration.</p> <p><<Min: 31.07 - 44.24 0.5% Min: Pyrite>> Associated with OP MU and SI alteration</p> <p><<Min: 44.24 - 46.45 0.5% Min: Pyrrhotite>> Associated with syngenetic MU</p> <p><<Min: 44.24 - 46.45 0.1% Min: Chalcopyrite>> With PO</p> <p><<Alt: 29.35 - 34.5 Weak Calcite>></p> <p><<Alt: 34.5 - 40.07 Moderate Silicification>></p> <p><<Alt: 34.5 - 40.07 Trace Calcite>></p> <p><<Alt: 40.07 - 44.24 Weak Muscovite>></p>															
							45.00	46.45	1.45	B00291966	-0.005	-0.3	-0.01	-0.01	0.02

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %	
<<Alt: 40.07 - 44.24 Weak Calcite>> <<Alt: 44.24 - 46.45 Moderate-Strong Muscovite>> Appears to be associated with the mineralization and the immediately surrounding rock <<Alt: 44.24 - 46.45 Weak Biotite>> Appears to be associated with the mineralization and the immediately surrounding rock <<Vein: 31.07 - 32.35 80% Quartz-Carbonate>> <<Vein: 44.24 - 45.91 75% Quartz-Carbonate>> <<Struc: 43.9 - 43.9 dominant foliation>> orientation of micaceous parting												
46.45	46.97	OF Pyrrhotite rich sulphides	FMG	46.45	46.97	0.52	B00291967	0.08	26.2	0.79	0.26	9.02
46.45 - 46.97: Massive sulphide interval. Sulphide makes up 50-60% of the interval. PO dominates the sulphide assemblage (60%) with 20% pyrite, 10% sphalerite, and 10% chalcopyrite. The remaining portion of the interval comprises calcite blebs and bands and relict host rock altered to chlorite and biotite.												
<<Min: 46.45 - 46.94 5% Min: Sphalerite>> Predominantly in the lower half of the unit <<Min: 46.45 - 46.94 10% Min: Pyrite>> Disseminated round grains of pyrite predominantly in the lower half of the unit <<Min: 46.45 - 46.94 30% Min: Pyrrhotite>> The bulk of the massive sulphide in this interval is pyrrhotite. <<Min: 46.45 - 46.94 5% Min: Chalcopyrite>> Forms a net texture with pyrrhotite <<Alt: 46.45 - 46.94 Moderate Tourmaline>> Perfect euhedral black tourmaline crystals <<Alt: 46.45 - 46.94 Moderate Chlorite>> Appears to be associated with the mineralization and the immediately surrounding rock <<Alt: 46.45 - 46.94 Moderate Calcite>> <<Alt: 46.45 - 46.94 Moderate Biotite>> Appears to be associated with the mineralization and the immediately surrounding rock <<Alt: 46.94 - 47.22 Moderate Muscovite>> Appears to be associated with the mineralization and the immediately surrounding rock <<Alt: 46.94 - 50.95 Weak-Moderate Tourmaline>> Associated with zones of more intense mineralization <<Alt: 46.94 - 50.95 Weak-Moderate Chlorite>> Appears to be associated with the mineralization and the immediately surrounding rock <<Alt: 46.94 - 50.95 Weak-Moderate Biotite>> Appears to be associated with the mineralization and the immediately surrounding rock <<Alt: 46.94 - 51.29 Moderate Calcite>>												
46.97	51.29	RHYv Rhyolite volcanoclastic	green-brown FG	46.97	48.47	1.50	B00291968	-0.005	0.6	-0.01	0.02	0.04
46.97 - 51.29: Strongly chlorite-biotite altered unit, fine grained with bands defined by biotite porphyroblasts and calcite. Wisps, blebs, and thin bands of sphalerite, pyrite, and pyrrhotite are present.												
<<Min: 46.97 - 50.95 0.5% Min: Sphalerite>>												
<<Min: 46.97 - 50.95 1% Min: Pyrrhotite>> Associated with the proximal syngenetic alteration												
<<Min: 48.47 - 49.67 1.20 Min: Sphalerite>>												
<<Min: 49.67 - 50.95 1.28 Min: Pyrrhotite>>												

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Min: 46.97 - 50.95 0.5% Min: Chalcopryrite>> associated with PO <<Min: 50.95 - 54.31 0.1% Min: Pyrite>> <<Vein: 47.88 - 48.15 50% Quartz-Carbonate>> Galena <<Struc: 46.97 - 46.97 Contact>> OB/footwall rock contact. Upper contact is sub-parallel</p>											
51.29	53.97	RHYcw Curdy textured-flow banded green (flows, subvolcanics)									FG
<p>51.29 - 53.97: Strongly banded (chaotic folding - flow banding) siliceous-micaceous unit. Bottom contact has fluidal (?) siliceous clasts (?) in a micaceous matrix.</p>											
<p><<Alt: 51.29 - 53.97 Weak-Moderate Muscovite>> <<Alt: 51.29 - 53.97 Trace Calcite>></p>											
53.97	70.01	RHYva Coarse grained to ash tuff light grey									FG
<p>53.97 - 70.01: Fine grained light grey siliceous-very siliceous unit. Appears to be granular. uncommon 1 mm round brown garnet porphyroblasts. lowest metre of the unit is strongly carbonate altered.</p>											
<p><<Min: 54.31 - 54.92 5% Min: Pyrite>> <<Min: 54.92 - 58.02 0.5% Min: Pyrite>> <<Min: 58.02 - 70 0.5% Min: Pyrrhotite>> <<Min: 70 - 71.01 3% Min: Pyrite>> Associated with a zone of calcite alteration <<Alt: 53.97 - 58.02 Weak Muscovite>> <<Alt: 53.97 - 70 Trace Garnet>> <<Alt: 53.97 - 70 Weak Calcite>> <<Alt: 58.02 - 70 Weak Silicification>> <<Alt: 70 - 71.01 Moderate-Strong Calcite>> associated with pyrite <<Vein: 54.31 - 54.92 85% Quartz-Carbonate 75 deg. >> <<Struc: 58.02 - 58.25 Weak Fault>> Rubbly fault, likely little movement <<Struc: 68.1 - 68.1 dominant foliation>> Micaceous parting</p>											
70.01	75.72	RHYcw Curdy textured-flow banded green (flows, subvolcanics)									FG
<p>70.01 - 75.72: Fine grained chaotically banded (flow banded) unit with brecciated upper and lower contacts. Non-siliceous domains are flaky green muscovite.</p>											
<p><<Min: 71.01 - 76.95 0.1% Min: Pyrrhotite>> <<Alt: 71.01 - 75.72 Weak-Moderate Muscovite>> <<Alt: 71.01 - 75.72 Weak Calcite>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
75.72	76.95	RHYva Coarse grained to ash tuff green FMG									
75.72 - 76.95: Fine grained ashy unit with rare granule sized grains and poorly developed bedding											
<<Alt: 75.72 - 76.95 Trace Muscovite>>											
<<Alt: 75.72 - 76.95 Weak Calcite>>											
76.95	77.46	PEL Equigranular biotite + calcite green-brown FG +/- quartz rock									
76.95 - 77.46: fine grained well banded sediment with black and brown biotite.											
<<Min: 76.95 - 77.46 0.1% Min: Pyrite>>											
<<Min: 76.95 - 77.46 0.1% Min: Pyrrhotite>>											
<<Alt: 76.95 - 77.46 Moderate-Strong Calcite>>											
<<Alt: 76.95 - 77.46 Weak Biotite>>											
<<Vein: 77.4 - 77.97 25% Quartz-Carbonate>>											
77.46	82.99	RHYva Coarse grained to ash tuff green FMG									
77.46 - 82.99: Domains of flow banded RHYcw (or silicification?) with irregular margins in a matrix consisting of ashy RHYva.											
<<Min: 77.46 - 80.3 0.1% Min: Pyrite>>											
<<Min: 77.46 - 80.3 0.5% Min: Pyrrhotite>>											
<<Min: 80.3 - 82.99 0.1% Min: Pyrite>>											
<<Alt: 77.46 - 82.99 Weak-Moderate Muscovite>>											
<<Alt: 77.46 - 82.99 Weak Calcite>>											
<<Alt: 80.3 - 95.75 Moderate Silicification>> Related to RHYi?											
<<Vein: 80.3 - 80.41 100% Quartz-Carbonate>>											
<<Vein: 80.75 - 81.67 40% Quartz-Carbonate-Sulphide>> 0.1% Galena											
<<Struc: 77.5 - 77.5 dominant foliation>> Micaceous Parting											
<<Struc: 82.6 - 82.6 dominant foliation>> Micaceous parting											
82.99	88.37	RHYi Aphanitic Rhyolite (intrusion) grey pink FG									
82.99 - 88.37: Aphanitic, weakly amygdaloidal. The upper metre of the unit is brecciated and cemented by quartz-pyrite. It is unclear if the rock was brecciated by his fluid or if it was brecciated prior to the infiltration of the fluid.											
<<Min: 82.99 - 84.09 3% Min: Pyrite>>											
<<Min: 84.09 - 88.37 0.5% Min: Pyrite>>											
<<Min: 84.09 - 88.37 0.1% Min: Pyrrhotite>>											
<<Vein: 82.99 - 84.09 10% Quartz>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Struc: 82.99 - 82.99 Contact>> RHYva-RHYi contact</p> <p>88.37 89.90 RHYva Coarse grained to ash tuff medium grey FMG</p> <p>88.37 - 89.9: Possible xenolith? sits between two RHYi bodies moderate silicification, 2-10 mm lapilli.</p> <p><<Min: 88.37 - 89.9 0.1% Min: Pyrite>></p> <p><<Alt: 88.37 - 89.9 Weak Calcite>></p> <p>89.90 95.46 RHYi Aphanitic Rhyolite (intrusion) grey pink FG</p> <p>89.9 - 95.46: Grey pink aphanitic unit with oblate, lensoid and dumbbell shaped quartz filled amygdules.</p> <p><<Min: 89.9 - 95.46 1% Min: Pyrite>></p> <p><<Min: 94.4 - 95.46 0.1% Min: Pyrrhotite>></p> <p><<Vein: 92.6 - 93.95 85% Quartz>></p> <p><<Vein: 94.47 - 94.99 100% Quartz-Carbonate 75 deg. >></p> <p><<Vein: 94.49 - 94.95 80% Quartz-Carbonate>></p> <p><<Struc: 89.9 - 89.9 Contact>> RHYva-RHYi contact</p> <p>95.46 105.12 RHYva Coarse grained to ash tuff medium grey FMG</p> <p>95.46 - 105.12: Subangular to subrounded granule sized lithic fragments, quartz eyes, and white lapilli in an ash sized matrix. likely resedimented.</p> <p><<Min: 95.46 - 119.5 0.5% Min: Pyrrhotite>></p> <p><<Alt: 95.46 - 105.12 Weak Calcite>></p> <p><<Struc: 99.8 - 100.3 Weak-Moderate Fault>> zone of thin gougy-crushed rock faults</p> <p><<Struc: 102.14 - 102.4 Weak Fault>> zone of crushed rock faults</p> <p>105.12 105.62 PEL Equigranular biotite + calcite grey-brown FG +/- quartz rock</p> <p>105.12 - 105.62: Bands of black euhedral and brown shreddy biotite porphyroblast bearing, fine grained sedimentary rock</p> <p><<Alt: 105.12 - 105.62 Moderate Calcite>></p> <p><<Alt: 105.12 - 105.62 Weak-Moderate Biotite>></p> <p>105.62 110.06 RHYva Coarse grained to ash tuff medium grey FMG</p> <p>105.62 - 110.06: Subangular to subrounded granule sized lithic fragments, quartz eyes, and white lapilli in an ash sized matrix. Likely resedimented.</p> <p><<Alt: 105.62 - 113.11 Weak-Moderate Calcite>></p> <p><<Vein: 109.85 - 110.27 35% Quartz-Carbonate 70 deg. >></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
110.06	113.11	RHYcw Curdy textured-flow banded (flows, subvolcanics) grey-green FG									
<p>110.06 - 113.11: White-green aphanitic rock with bands of siliceous material, interpreted to be flow bands. Could be lapilli?</p> <p><<Min: 110.06 - 113.11 0.1% Min: Pyrite>></p>											
113.11	136.11	RHYva Coarse grained to ash tuff medium grey FCG									
<p>113.11 - 136.11: medium grey gritty volcanoclastic sedimentary rock with predominantly granule sized lithic clasts and rare quartz eyes. There is a population of large cobble sized clasts with flow banding, suggesting a coherent rhyolite.</p> <p><<Min: 119.5 - 122.5 1% Min: Pyrite>></p> <p><<Min: 122.5 - 136.11 0.1% Min: Pyrrhotite>></p> <p><<Alt: 113.11 - 119.5 Weak-Moderate Silicification>></p> <p><<Alt: 113.11 - 136.11 Weak Calcite>></p> <p><<Alt: 119.5 - 121.05 Moderate-Strong Silicification>></p> <p><<Alt: 121.05 - 122.5 Moderate Silicification>></p> <p><<Alt: 122.5 - 136.11 Weak-Moderate Silicification>></p> <p><<Vein: 119.5 - 121.05 50% Quartz-Carbonate>></p> <p><<Vein: 130.74 - 131.05 65% Quartz-Carbonate>></p> <p><<Vein: 133.54 - 133.78 10% Quartz-Carbonate 70 deg. >></p> <p><<Vein: 135.74 - 135.79 75% Quartz-Carbonate 40 deg. >></p>											
136.11	137.26	PEL Equigranular biotite + calcite +/- quartz rock grey-brown FG									
<p>136.11 - 137.26: Dark grey-brown ankerite-biotite porphyroblastic fine grained pelitic unit.</p> <p><<Alt: 136.11 - 137.26 Moderate Calcite>></p> <p><<Alt: 136.11 - 137.26 Strong Biotite>></p> <p><<Vein: 136.9 - 137.5 40% Calcite 70 deg. >></p> <p><<Struc: 136.3 - 136.31 Weak Fault>> Gouge filled fracture</p>											
137.26	141.42	RHYva Coarse grained to ash tuff medium grey FMG									
<p>137.26 - 141.42: medium grey-green sandy, massive unit without quartz eyes.</p> <p><<Min: 137.26 - 141.42 0.1% Min: Pyrite>></p> <p><<Min: 137.26 - 141.42 0.1% Min: Pyrrhotite>></p> <p><<Alt: 137.26 - 144.6 Weak-Moderate Silicification>></p> <p><<Alt: 137.26 - 154.1 Weak Calcite>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
141.42	142.30	MDSt Rhyolite tuff dominant mudstone									
<p>141.42 - 142.3: Dark grey carbonaceous mudstone unit interlayered with tuffaceous sediment. Gradational lower contact, sharp upper contact.</p> <p><<Min: 141.42 - 142.3 0.1% Min: Pyrite>></p>											
142.30	145.60	RHYva Coarse grained to ash tuff									
<p>142.3 - 145.6: Medium grey-green to pink gritty sedimentary rock (wacke-granule conglomerate). The lowest metre is stained pink with hematite and contains angular blebs of jasper, possibly derived from pyrite (relict? pyrite crystal in one jasper bleb)</p> <p><<Min: 142.3 - 144.6 0.1% Min: Pyrrhotite>></p> <p><<Min: 144.6 - 146.26 0.01% Min: Pyrite>> Altered to jasper</p> <p><<Alt: 144.6 - 155.91 Moderate Silicification>></p>											
145.60	146.26	MDSt Rhyolite tuff dominant mudstone									
<p>145.6 - 146.26: Dark grey carbonaceous mudstone unit interlayered with tuffaceous sediment, lower contact is gradational, upper contact is a fault</p> <p><<Struc: 145.9 - 145.9 dominant foliation>> Foliation in MDSt, representing bedding (transposed?)</p>											
146.26	154.10	RHYva Coarse grained to ash tuff									
<p>146.26 - 154.1: medium grey package of rocks comprising a gritty tuffaceous wacke and beds of extremely fine grained well sorted siliceous ash.</p> <p><<Min: 146.26 - 164.92 0.01% Min: Pyrrhotite>> Altered to jasper</p> <p><<Struc: 151.4 - 151.4 dominant foliation>></p>											
154.10	155.91	RHYi Aphanitic Rhyolite (intrusion)									
<p>154.1 - 155.91: Pink grey unit, strongly siliceous with blebs of jasper and a crackle texture. Could be hematite altered RHYva</p>											
155.91	164.92	RHYva Coarse grained to ash tuff									
<p>155.91 - 164.92: Medium grey-green to pink gritty sedimentary rock (wacke-granule conglomerate).</p> <p><<Alt: 155.91 - 169.18 Weak-Moderate Silicification>></p> <p><<Alt: 155.91 - 169.18 Weak-Moderate Calcite>></p> <p><<Vein: 158.29 - 158.32 100% Quartz-Carbonate 90 deg. >></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
164.92	165.36	MDSc Carbonaceous dominant mudstone									
<p>164.92 - 165.36: Dark grey carbonaceous mudstone that has been strongly silicified. well bedded. upper contact is sharp, lower contact is gradational.</p> <p><<Min: 164.92 - 172.88 0.01% Min: Pyrite>> Altered to jasper</p>											
165.36	169.18	RHYv Rhyolite volcanoclastic									
<p>165.36 - 169.18: light green strongly muscovite altered unit, relict gritty clasts and banding are present suggesting a RHYva.</p> <p><<Alt: 165.36 - 169.18 Moderate Muscovite>> Non-siliceous domains altered</p>											
169.18	170.04	MDSc Carbonaceous dominant mudstone									
<p>169.18 - 170.04: Black, carbonaceous, silicified, mudstone with folded bedding.</p> <p><<Alt: 169.18 - 170.04 Moderate Silicification>></p> <p><<Struc: 169.18 - 169.18 Contact>> MDSc/RHYva contact</p>											
170.04	172.88	MDSr Rhyolite tuff dominant mudstone									
<p>170.04 - 172.88: Interbedded black carbonaceous mudstone and muscovite altered green rhyolitic volcanoclastic rock. All units are silicified.</p> <p><<Alt: 170.04 - 173.72 Weak Calcite>></p> <p><<Alt: 170.4 - 173.72 Weak-Moderate Silicification>></p>											
172.88	178.34	RHYva Coarse grained to ash tuff									
<p>172.88 - 178.34: Poorly sorted weakly laminated to massive, volcanoclastic rock. ~1mm garnet porphyroblasts disseminated locally.</p> <p><<Min: 172.88 - 178.34 0.1% Min: Pyrrhotite>> Altered to jasper</p> <p><<Alt: 172.88 - 178.34 Weak-Moderate Muscovite>> Non-siliceous domains altered</p> <p><<Alt: 173.5 - 176.3 Moderate Garnet>></p> <p><<Alt: 173.72 - 176.3 Trace Calcite>></p> <p><<Alt: 173.72 - 176.48 Moderate Silicification>></p> <p><<Alt: 176.48 - 176.91 Moderate-Strong Silicification>></p> <p><<Alt: 176.8 - 180.24 Moderate Calcite>></p> <p><<Alt: 176.91 - 178.34 Weak-Moderate Silicification>></p> <p><<Vein: 176.48 - 176.91 50% Quartz>> very white, soft non-swelling (?) clay mineral in vein. could be relict host rock</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Vein: 177.26 - 180.71 10% Calcite 70 deg. >></p> <p>178.34 180.24 PEL Equigranular biotite + calcite grey-brown FG +/- quartz rock</p> <p>178.34 - 180.24: Four zones of biotite porphyroblast growth within a fine tuffaceous sequence.</p> <p><<Alt: 178.34 - 180.24 Weak-Moderate Biotite>></p> <p>180.24 191.01 RHYva Coarse grained to ash tuff grey-green FMG</p> <p>180.24 - 191.01: Medium grey-green gritty sedimentary rock (wacke-granule conglomerate) with uncommon small 2-5mm white lapilli clasts and lithic clasts.</p> <p><<Min: 180.24 - 191.01 0.1% Min: Pyrrhotite>></p> <p><<Min: 180.89 - 191.01 0.1% Min: Pyrite>></p> <p><<Alt: 180.24 - 183 Weak-Moderate Talc-serpentine>> This represents kaolinite-white clay.</p> <p><<Alt: 180.24 - 191.01 Moderate Silicification>></p> <p><<Alt: 180.24 - 191.01 Weak Calcite>></p> <p><<Vein: 180.89 - 182.34 20% Quartz>></p> <p><<Vein: 184.39 - 184.44 100% Quartz-Carbonate 90 deg. >></p> <p><<Vein: 185.77 - 187.55 10% Quartz>></p> <p><<Vein: 190.96 - 193.23 15% Calcite>></p> <p>191.01 193.23 PEL Equigranular biotite + calcite grey-brown FG +/- quartz rock</p> <p>191.01 - 193.23: Dark grey-brown fine grained, well sorted biotite and ankerite porphyroblast bearing pelitic bed. Upper contact is faulted, lower contact is gradational.</p> <p><<Alt: 191.01 - 193.23 Moderate-Strong Calcite>></p> <p><<Alt: 191.01 - 193.23 Moderate Biotite>></p> <p>193.23 213.47 RHYva Coarse grained to ash tuff medium grey FMG</p> <p>193.23 - 213.47: Medium grey-green gritty sedimentary rock (wacke-granule conglomerate) with uncommon small 2-5mm white lapilli clasts and lithic clasts.</p> <p><<Min: 193.23 - 213.47 0.1% Min: Pyrite>></p> <p><<Min: 193.23 - 213.47 0.5% Min: Pyrrhotite>></p> <p><<Alt: 193.23 - 206.5 Weak-Moderate Silicification>></p> <p><<Alt: 193.23 - 216.53 Trace Calcite>></p> <p><<Alt: 206.5 - 213.47 Moderate Silicification>></p> <p><<Struc: 198.4 - 198.4 dominant foliation>> micaceous parting</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Struc: 203.5 - 203.5 dominant foliation>> micaceous parting</p> <p>213.47 216.53 RHYva Coarse grained to ash tuff light grey VFG</p> <p>213.47 - 216.53: Very fine grained cherty, siliceous rock, conformably overlies a pelite with a sharp planar contact, possibly a distal ash fall?</p> <p><<Min: 213.47 - 216.53 0.5% Min: Pyrrhotite>></p> <p><<Alt: 213.47 - 216 Moderate-Strong Silicification>></p> <p><<Alt: 216 - 216.53 Strong Silicification>></p> <p><<Vein: 215.49 - 216 35% Quartz-Carbonate 90 deg. >></p> <p>216.53 217.03 PEL Equigranular biotite + calcite grey-brown FG +/- quartz rock</p> <p>216.53 - 217.03: Ashy pelitic unit, with biotite and ankerite porphyroblasts and</p> <p><<Struc: 216.53 - 216.53 Contact>> Sharp planar contact between pelite ash (chert?)</p> <p>217.03 237.36 RHYva Coarse grained to ash tuff grey-green FMG</p> <p>217.03 - 237.36: Medium grey-green gritty sedimentary rock (wacke-granule conglomerate) with rare all blue quartz eyes, uncommon small 2-5mm white lapilli clasts and lithic clasts. Graded beds rarely reach larger lapilli sizes and densities.</p> <p><<Min: 217.03 - 237.36 0.1% Min: Pyrite>></p> <p><<Min: 217.03 - 237.36 0.5% Min: Pyrrhotite>></p> <p><<Alt: 217.03 - 237.36 Weak-Moderate Silicification>></p> <p><<Alt: 217.03 - 237.36 Trace Calcite>></p> <p><<Vein: 218.37 - 218.68 40% Quartz-Carbonate 90 deg. >></p> <p><<Vein: 219 - 219.26 100% Quartz-Carbonate 75 deg. >></p> <p><<Vein: 235.9 - 253.97 100% Quartz-Carbonate 90 deg. >></p> <p><<Struc: 229.9 - 229.9 dominant foliation>> micaceous parting</p> <p>237.36 238.10 PEL Equigranular biotite + calcite grey-brown FG +/- quartz rock</p> <p>237.36 - 238.1: Banded, ashy, fine grained biotite and carbonate porphyroblast bearing sedimentary rock. Sharp planar upper contact, gradational lower contact.</p> <p><<Min: 237.36 - 238.1 0.5% Min: Pyrite>></p> <p><<Alt: 237.36 - 238.1 Weak-Moderate Calcite>></p> <p><<Alt: 237.36 - 238.1 Weak Biotite>></p> <p><<Vein: 237.55 - 237.6 100% Calcite 85 deg. >></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
238.10	244.39	RHYva Coarse grained to ash tuff grey-green FMG									
<p>238.1 - 244.39: Medium grey-green sedimentary rock with rare blue quartz eyes, and possible lithic clasts.</p> <p><<Min: 238.1 - 244.39 0.1% Min: Pyrite>> <<Alt: 238.1 - 244.39 Weak Silicification>> <<Alt: 238.1 - 244.39 Weak-Moderate Muscovite>> <<Alt: 238.1 - 244.39 Trace Calcite>> <<Vein: 240.44 - 240.49 50% Quartz-Carbonate 85 deg. >> <<Struc: 241.05 - 241.06 Fault>> Thin gougy fault</p>											
244.39	245.07	FLZ Fault Zone light grey									
<p>244.39 - 245.07: Gouge rich fault zone with a minor component of crushed rock.</p> <p><<Vein: 244.39 - 244.71 95% Quartz-Carbonate>> wall rock pulled in altered to muscovite, hematite. <<Struc: 244.39 - 245.07 Moderate-Strong Fault>> Thick gouge filled fault with a quartz vein at the top (healed earlier fault?)</p>											
245.07	252.24	RHYv Rhyolite volcanoclastic green									
<p>245.07 - 252.24: strongly brecciated, muscovite-hematite-chlorite altered rock. Relict banding and granular texture suggest a volcanoclastic primary lithology.</p> <p><<Alt: 245.07 - 248.3 Weak-Moderate Calcite>> <<Alt: 245.07 - 252.24 Weak-Moderate Muscovite>> <<Alt: 248.3 - 252.24 Trace Calcite>> <<Alt: 249.26 - 250.63 Moderate Silicification>> <<Alt: 250.63 - 252.24 Weak Silicification>> <<Vein: 247.64 - 247.76 98% Quartz-Carbonate 90 deg. >> 2% wallrock in vein <<Struc: 247 - 250.5 Weak-Moderate Fault>> Zoe of broken rock and minor gouge development</p>											
252.24	253.89	PEL Equigranular biotite + calcite dark grey FG +/- quartz rock									
<p>252.24 - 253.89: Banded, well sorted black euhedral biotite bearing sedimentary rock. Some sections appear to be chlorite altered.</p> <p><<Min: 252.78 - 275.77 0.1% Min: Pyrite>> local patches up to 0.5%, with jasper <<Alt: 252.24 - 253.89 Moderate Calcite>> <<Alt: 252.24 - 253.89 Weak Biotite>> <<Vein: 253 - 253.24 90% Quartz-Carbonate 75 deg. >> <<Struc: 253.25 - 253.25 dominant foliation>> banding orientation in pelite</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
253.89	261.67	RHYva Coarse grained to ash tuff medium grey FMG									
<p>253.89 - 261.67: Massive, moderately sorted tuffaceous sandstone to pebble bearing conglomerate with a sandy matrix.</p> <p><<Alt: 253.89 - 270.97 Moderate Silicification>></p> <p><<Alt: 253.89 - 270.97 Weak Garnet>></p> <p><<Alt: 253.89 - 270.97 Weak Calcite>></p> <p><<Vein: 254.64 - 255.42 100% Quartz-Carbonate 70 deg. >></p> <p><<Struc: 257 - 259.8 Weak Fault>> Zone of broken and crushed rock</p> <p><<Struc: 260.5 - 260.5 dominant foliation>> Micaceous parting</p>											
261.67	262.97	RHYvi Lapilli tuff grey pink FCG									
<p>261.67 - 262.97: Massive bed (grades in from RHYva) with large pebble to cobble sized clasts of white-pink (hematite stained?) lapilli.</p>											
262.97	270.97	RHYva Coarse grained to ash tuff grey-green FMG									
<p>262.97 - 270.97: Medium grey-green sedimentary rock with rare blue quartz eyes, small lapilli, and possible lithic clasts. Bottom 1 metre is bleached and stained pink with hematite.</p>											
270.97	272.72	MDS Sc Carbonaceous dominant black VFG mudstone									
<p>270.97 - 272.72: Very fine grained black carbonaceous mudstone. Upper contact is marked by small scale flame structures indicating tops upwards.</p> <p><<Alt: 270.97 - 273.53 Weak-Moderate Silicification>></p> <p><<Struc: 270.97 - 270.97 Contact>> Sharp mudstone-RHYva contact</p> <p><<Struc: 271.16 - 271.35 Moderate Fault>> Gouge-crushed rock filled fault zone</p>											
272.72	275.77	RHYv Rhyolite volcanoclastic light grey FMG									
<p>272.72 - 275.77: Massive, granular textured rock, strong silicification make identification difficult however textures suggest a clastic protolith.</p> <p><<Alt: 272.72 - 273.53 Weak-Moderate Muscovite>></p> <p><<Alt: 272.72 - 282.95 Weak Calcite>></p> <p><<Alt: 273.53 - 275.77 Moderate Silicification>></p> <p><<Struc: 273.45 - 273.53 Weak-Moderate Fault>> Thin, gougy fault</p>											
275.77	277.66	RHYi Aphanitic Rhyolite (intrusion) light grey FG									
<p>275.77 - 277.66: Fine grained, very siliceous, light grey green rock with silica filled "micro-amygdules" with lensoid and oblate forms as well as silica filled crackle texture veins. upper an lower contacts are veined.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Alt: 275.77 - 278 Strong Silicification>> <<Vein: 275.85 - 277.2 5% Calcite>> <<Vein: 277.2 - 277.66 100% Quartz-Carbonate 90 deg. >></p> <p>277.66 279.38 RHYva Coarse grained to ash tuff medium grey FMG 277.66 - 279.38: Medium grey-green sedimentary rock with small lapilli and possible lithic clasts. Lapilli bleached and stained pink with hematite.</p> <p><<Alt: 278 - 282.95 Moderate-Strong Silicification>> <<Alt: 279 - 284.52 Moderate Albite>> Pink staining, albite according to Cominco. Seems to be spatially related to flecks of jasper.\</p> <p>279.38 281.12 RHYvi Lapilli tuff grey pink FCG 279.38 - 281.12: Massive bed (grades in from RHYva) with large pebble to coble sized clasts of white-pink (hematite stained?) lapilli.</p> <p><<Min: 281 - 282.95 0.01% Min: Pyrrhotite>> <<Struc: 279.5 - 279.5 dominant foliation>> Micaceous parting <<Struc: 280.1 - 280.11 Weak-Moderate Fault>> Thin, gougy fault</p> <p>281.12 282.95 RHYva Coarse grained to ash tuff grey pink FMG 281.12 - 282.95: Medium grey-green sedimentary rock with small lapilli and possible lithic clasts. Lapilli bleached and stained pink with hematite.</p> <p>282.95 284.52 RHYvi Lapilli tuff grey pink FCG 282.95 - 284.52: Massive bed comprising white-pink subrounded to amoeboid clasts in a fine grained matrix. Predominantly matrix supported. Clasts selectively altered with pink staining (hematite?)</p> <p><<Alt: 282.95 - 287.49 Moderate Silicification>> <<Alt: 282.95 - 289.45 Weak-Moderate Calcite>> <<Alt: 282.95 - 317.24 Weak Garnet>></p> <p>284.52 287.49 RHYva Coarse grained to ash tuff grey-green FCG 284.52 - 287.49: Massive unit of fine grained tuffaceous sediment with rare lapilli sized clasts and common quartz eyes.</p> <p>287.49 289.45 RHYva Coarse grained to ash tuff grey-green FG 287.49 - 289.45: Sandy textured, bedded tuffaceous sediment.</p> <p><<Alt: 287.49 - 291 Weak-Moderate Silicification>> <<Vein: 288.53 - 288.63 100% Quartz-Carbonate 15 deg. >> <<Struc: 289.35 - 289.35 dominant foliation>> Micaceous parting</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
289.45	291.28	RHYvx Quartz and/or feldspar crystal tuff									
<p>289.45 - 291.28: Clasts of crystals and crystal fragments (2-12 mm feldspar and blue quartz) in a sandy matrix. Matrix supported.</p> <p><<Alt: 289.45 - 308.84 Weak Calcite>></p> <p><<Alt: 291 - 306 Moderate Silicification>></p> <p><<Struc: 289.45 - 290.15 Weak Fault>> Zone of crushed rock</p>											
291.28	308.84	RHYva Coarse grained to ash tuff									
<p>291.28 - 308.84: Gritty tuffaceous sandstone with scattered clasts and bands of lapilli, crystal fragments, and blue quartz eyes in a compositionally dominant matrix of ash sized volcanoclastic material.</p> <p><<Alt: 293 - 297 Weak Albite>> Pink staining.</p> <p><<Alt: 306 - 308.84 Weak Silicification>></p> <p><<Struc: 294.2 - 294.3 Weak-Moderate Fault>> Thin zone of gouge and rubble</p> <p><<Struc: 299.3 - 299.5 Weak-Moderate Fault>> Thin zone of gouge and rubble</p> <p><<Struc: 307.3 - 307.3 dominant foliation>> Micaceous parting</p>											
308.84	313.30	RHYvi Lapilli tuff									
<p>308.84 - 313.3: Lenticular lapilli that have been selectively stained a pink hue give the rock a streaked look. Lapilli are 10 to >64 mm in length but only up to 10 mm in width. The matrix is a fine ashy material.</p> <p><<Alt: 308.84 - 313.3 Trace Calcite>></p> <p><<Alt: 308.84 - 313.3 Weak Albite>> Pink staining</p> <p><<Alt: 308.84 - 315.5 Moderate Silicification>></p> <p><<Struc: 311.75 - 311.75 dominant foliation>> Micaceous parting</p>											
313.30	317.24	RHYva Coarse grained to ash tuff									
<p>313.3 - 317.24: Granular, banded sandy, well sorted ashy tuff with possible grading from silt sized grains at the top to coarse sand sized grains at the bottom.</p> <p><<Min: 315.5 - 317.24 0.5% Min: Pyrite>></p> <p><<Alt: 313.3 - 315.5 Moderate Albite>> Pink staining</p> <p><<Alt: 313.3 - 317.24 Weak Calcite>></p>											
317.24	318.47	RHYi Aphanitic Rhyolite (intrusion)									
<p>317.24 - 318.47: Irregular, jigsaw fit clasts (8- >64 mm) of RHYi in a matrix of quartz, chlorite and sandy particles, possibly from the overlying unit. Possible pepperite?</p> <p><<Alt: 317.24 - 318.47 Moderate Silicification>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Alt: 317.24 - 318.47 Moderate Chlorite>> In breccia matrix</p> <p><<Alt: 317.24 - 323.5 Trace Calcite>></p> <p><<Vein: 317.33 - 318.53 20% Quartz>></p> <p><<Struc: 317.24 - 317.24 Contact>> Breccia zone contact</p> <p>318.47 323.50 RHYi Aphanitic Rhyolite (intrusion) light grey VFG</p> <p>318.47 - 323.5: Massive, porphyritic coherent rock with rare quartz filled, round amygdules. Rock is extremely siliceous.</p> <p><<Alt: 318.47 - 323.5 Strong Silicification>></p> <p>323.50 346.81 RHYva Coarse grained to ash tuff light grey FMG</p> <p>323.5 - 346.81: Massive, moderately sorted, gritty RHYva with angular to subrounded clasts including lapilli, lithic fragments and quartz eyes.</p> <p><<Min: 332.46 - 336 0.1% Min: Pyrite>></p> <p><<Min: 332.46 - 336 0.01% Min: Pyrrhotite>></p> <p><<Min: 336 - 388.79 0.1% Min: Pyrrhotite>></p> <p><<Min: 337 - 346.81 0.1% Min: Pyrite>></p> <p><<Alt: 323.5 - 332 Weak-Moderate Silicification>></p> <p><<Alt: 323.5 - 351.16 Weak Calcite>></p> <p><<Alt: 332 - 336.69 Moderate Silicification>></p> <p><<Alt: 333.27 - 335.75 Moderate Albite>> Cream green bleaching of the rock with associated patchy pink staining, likely due to hematite</p> <p><<Alt: 336.69 - 353.88 Weak-Moderate Silicification>></p> <p><<Vein: 324.36 - 324.65 100% Quartz-Carbonate 80 deg. >></p> <p><<Vein: 325.25 - 325.29 60% Quartz 44 deg. >></p> <p><<Vein: 330.29 - 331.07 40% Quartz-Carbonate 80 deg. >></p> <p><<Vein: 332.46 - 335.75 5% Quartz-Carbonate 80 deg. >> Spatially associated with a zone of albitic/hematitic alteration.</p> <p><<Vein: 339.08 - 339.49 80% Quartz-Carbonate 90 deg. >></p> <p><<Vein: 340.52 - 340.65 85% Quartz-Carbonate 90 deg. >></p> <p><<Vein: 341.15 - 341.21 100% Quartz-Carbonate 90 deg. >></p> <p><<Struc: 330.29 - 330.9 Trace Fault>> Zone of broken rock</p> <p><<Struc: 338.24 - 338.25 Weak Fault>> Thin gougy fault</p> <p>346.81 350.09 RHYvi Lapilli tuff medium grey FCG</p> <p>346.81 - 350.09: Massive unit of lapilli bearing tuffaceous rock with 5-30 mm white lapilli (some maybe feldspar crystals) and abundant quartz eyes.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
350.09	351.16	RHYva Coarse grained to ash tuff medium grey FMG 350.09 - 351.16: Graded unit with quartz eye granule bearing tuff at the top, grading to a lapilli bearing ashy tuff at the bottom.									
351.16	353.88	PEL Equigranular biotite + calcite grey-brown FG +/- quartz rock 351.16 - 353.88: Dark brown-black unit with bands of biotite rich pelite and light brown-grey, less biotite rich material interpreted as more and less pelitic input into this fine grained, well sorted sediment. <<Alt: 351.16 - 353.88 Weak-Moderate Calcite>> <<Alt: 351.16 - 353.88 Moderate Biotite>> <<Alt: 351.16 - 353.88 Weak-Moderate Ankerite>> <<Vein: 351.26 - 353.94 10% Calcite 80 deg. >> <<Struc: 353.86 - 353.86 Bedding>> Bedding within the Pelite unit									
353.88	356.76	RHYvl Lapilli tuff grey-green FCG 353.88 - 356.76: Monomictic lapilli rick clasts supported lapilli bearing (8-30 mm) tuff unit with abundant quartz eye granules. <<Alt: 353.88 - 362.7 Moderate Silicification>> <<Alt: 353.88 - 363.58 Weak Biotite>> <<Alt: 353.88 - 370.14 Weak Calcite>>									
356.76	359.58	RHYva Coarse grained to ash tuff grey-green FMG 356.76 - 359.58: Massive, sandy textured tuffaceous sediment with common quartz eyes. Grades into the underlying RHYvl. <<Vein: 359.2 - 359.27 65% Quartz-Carbonate 90 deg. >>									
359.58	363.58	RHYvl Lapilli tuff grey-green FCG 359.58 - 363.58: Monomictic lapilli rick clasts supported lapilli bearing (8-30 mm) tuff unit with abundant quartz eye granules. <<Alt: 362.7 - 363.58 Weak-Moderate Silicification>>									
363.58	363.97	FLZ Fault Zone light grey 363.58 - 363.97: Intensely gougy fault zone. <<Struc: 363.58 - 363.97 Moderate Fault>> Fault filled completely with gouge									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
363.97	367.59	RHYvl Lapilli tuff									
<p>grey-green FCG</p> <p>363.97 - 367.59: Monomictic lapilli rick clasts supported lapilli bearing (8-30 mm) tuff unit with abundant quartz eye granules.</p> <p><<Alt: 363.97 - 364.54 Weak-Moderate Silicification>></p> <p><<Alt: 363.97 - 365.38 Weak Biotite>></p> <p><<Alt: 364.54 - 370.16 Moderate Silicification>></p>											
367.59	368.26	PEL Equigranular biotite + calcite									
<p>grey-brown FG</p> <p>+/- quartz rock</p> <p>367.59 - 368.26: Dark brown-black unit with bands of biotite rich pelite and light brown-grey, less biotite rich material interpreted as more and less pelitic input into this fine grained, well sorted sediment. Upper contact is a fault, lower contact is veined.</p>											
368.26	370.14	RHYva Coarse grained to ash tuff									
<p>medium grey FG</p> <p>368.26 - 370.14: Grey, black euhedral biotite bearing, massive tuff. Fine grained.</p> <p><<Alt: 368.26 - 370.14 Weak Biotite>></p>											
370.14	370.55	PEL Equigranular biotite + calcite									
<p>grey-brown FG</p> <p>+/- quartz rock</p> <p>370.14 - 370.55: Dark brown-black unit with bands of biotite rich pelite and light brown-grey, less biotite rich material interpreted as more and less pelitic input into this fine grained, well sorted sediment. Upper contact is sharp and planar, lower contact is veined.</p> <p><<Min: 370.14 - 388.79 0.1% Min: Pyrite>></p> <p><<Alt: 370.14 - 370.55 Moderate Calcite>></p> <p><<Alt: 370.16 - 370.55 Moderate-Strong Biotite>></p>											
370.55	371.46	RHYvl Lapilli tuff									
<p>grey-green FCG</p> <p>370.55 - 371.46: Unit of lapilli (and feldspar?) and quartz eye bearing, poorly sorted volcanoclastic tuffaceous conglomerate (tephra?)</p> <p><<Alt: 370.55 - 381.2 Moderate Silicification>></p> <p><<Alt: 370.55 - 401.02 Weak Calcite>> Locally veinlets set, mainly replacing lapilli.</p> <p><<Vein: 370.73 - 371.5 15% Quartz-Carbonate 80 deg. >></p> <p><<Struc: 370.55 - 370.55 Contact>> Contact between pelite and RHYvl</p>											
371.46	385.27	RHYva Coarse grained to ash tuff									
<p>grey-green FMG</p> <p>371.46 - 385.27: Fine grained ashy tuff unit with rare bands of lapilli and black, euhedral biotite porphyroblasts. Rare quartz eyes. Few PO/PY stringers, QZ veins, Narrow fine grain BI rich layers, probably pelite, associated with CA veinlets.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Alt: 373.5 - 381.2 Weak Biotite>> <<Alt: 381.2 - 413.22 Weak-Moderate Silicification>> <<Vein: 382.1 - 388.79 Quartz-Carbonate>> Multiple QZ/CA veins representing 10% of the interval. Associated with very fine grain unit/few CL. <<Struc: 374.5 - 374.5 dominant foliation>> Break surface of a foliation parallel vein <<Struc: 377.42 - 377.43 dominant foliation>></p> <p>385.27 388.79 RHY undifferentiated rhyolite medium grey VFG 385.27 - 388.79: Very fine grained or obscured texture matrix, BI porphyroblasts. Possibly ash.</p> <p><<Struc: 386.82 - 386.83 dominant foliation>> <<Struc: 388.32 - 388.79 Weak Fault>> Narrow fault gouge interval and Qz vein.</p> <p>388.79 401.02 RHYvl Lapilli tuff grey-green FMG 388.79 - 401.02: Muscovite-Biotite, locally granular texture, PO/PY stringers and subhedral patch, possibly fine crystals.</p> <p><<Min: 388.79 - 392.5 1% Min: Pyrite>> <<Min: 388.79 - 392.5 0.5% Min: Pyrrhotite>> <<Min: 392.5 - 401.55 3% Min: Pyrite>> Stringers. <<Min: 392.5 - 425.96 0.5% Min: Pyrrhotite>> <<Alt: 391.3 - 439 Weak-Moderate Biotite>> <<Struc: 392.12 - 392.21 Trace Fault>> Fault gouge. <<Struc: 393.55 - 393.56 dominant foliation>> <<Struc: 397.44 - 397.45 dominant foliation>> <<Struc: 399.85 - 399.86 dominant foliation>></p> <p>401.02 412.40 RHYvx Quartz and/or feldspar crystal grey-green MG tuff 401.02 - 412.4: Medium, locally coarse grained, CL patch, PY/PO stringers and patch, fine grained feldspar, quartz eyes, few BI porphyroblasts patchy.</p> <p><<Min: 401.55 - 425.96 0.5% Min: Pyrite>> and in QZ vein. <<Min: 401.55 - 425.96 0.1% Min: Chalcopyrite>> and in QZ vein. <<Alt: 401.02 - 407 Trace Calcite>> <<Alt: 407 - 472.28 Weak Calcite>> Disseminated and moderate/pervasive in BI rich intervals. <<Vein: 401.55 - 401.73 Quartz-Carbonate>> QZ/CA/CL, PY stringers at upper contact. <<Vein: 408 - 408.03 Quartz-Tourmaline>> QZ/TM, wavy vein.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
412.40	413.22	PEL Equigranular biotite + calcite beige FG +/- quartz rock									
412.4 - 413.22: Possibly mafic dyke. Fine grain BI, CA veinlets and in matrix, homogeneous, sharp contacts.											
413.22	420.42	RHY undifferentiated rhyolite dark grey VFG									
413.22 - 420.42: Very fine grained or obscured texture, BI porphyroblasts (25 to 35%) locally altered CL.											
<<Alt: 413.22 - 421.29 Trace Chlorite>> Partially replacing BI											
<<Alt: 413.22 - 422.55 Moderate-Strong Silicification>>											
<<Struc: 413.22 - 413.23 Contact>> Contact PEL/RHY											
420.42	421.29	PEL Equigranular biotite + calcite black FG +/- quartz rock									
420.42 - 421.29: CA/BI rich, sharp upper contact, gradual lower contact.											
421.29	432.28	RHYva Coarse grained to ash tuff dark grey FMG									
421.29 - 432.28: Fine to medium grain, BI porphyroblasts, PO/few CP stringers, patchy CL halo, CL rich from 424.85 to 425.96, possibly pelite CL (granular texture/CA/BI). Locally coarser texture patch "wrapped" by foliation (pebble size clasts?).											
<<Min: 422.5 - 423 0.1% Min: Sphalerite>> In QZ vein.											
<<Min: 422.5 - 423 0.1% Min: Galena>> In QZ vein.											
<<Min: 425.96 - 438.65 0.5% Min: Pyrite>> and associated with PO.											
<<Min: 425.96 - 438.65 2% Min: Pyrrhotite>>											
<<Alt: 424.85 - 425.96 Weak Chlorite>>											
<<Alt: 425.96 - 432.28 Weak-Moderate Silicification>>											
<<Alt: 425.96 - 432.28 Trace Chlorite>> Associated with stringers.											
<<Vein: 422.55 - 422.85 Quartz-Sulphide>> Massive QZ vein containing PO/SP/CP/GL in fracture.											
<<Vein: 431.55 - 438 Quartz-Carbonate>> Multiple QZ/probably late CA/CL veins representing 25% of the interval. Associated with chloritic unit/BI porphyroblasts (pelite chl?)											
432.28	438.65	RHY undifferentiated rhyolite medium grey VFG									
432.28 - 438.65: Chaotic interval marked by wavy QZ and QZ/CA veins and whitish/beige mineral (?), CL alteration, narrow interval containing PO stringers. Sharp contact with narrow RHY (very fine grain or obscured texture matrix/Bippo). Probably late CA (crosscut QZ veins).											
<<Min: 436.06 - 436.6 2% Min: Pyrrhotite>> Stringers.											
<<Alt: 432.28 - 438.65 Weak-Moderate Chlorite>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
438.65	456.40	RHYvl Lapilli tuff									
<p>medium grey MCG</p> <p>438.65 - 456.4: Locally silicic bands, probably large lapilli. Could be porphyry gradual contacts suggest volcanoclastic unit.</p> <p><<Min: 438.65 - 445.5 1% Min: Pyrite>></p> <p><<Min: 438.65 - 445.5 0.5% Min: Pyrrhotite>></p> <p><<Min: 445.5 - 450.02 3% Min: Pyrite>> and patchy.</p> <p><<Min: 445.5 - 450.02 2% Min: Pyrrhotite>> and veinlets.</p> <p><<Min: 450.02 - 458.55 0.5% Min: Pyrrhotite>></p> <p><<Min: 450.02 - 472.28 0.5% Min: Pyrite>></p> <p><<Alt: 438.65 - 472.28 Weak Silicification>></p>											
456.40	457.57	RHYv Rhyolite volcanoclastic									
<p>medium grey MG</p> <p>456.4 - 457.57: Gradual contact, coarse to fine grain.</p>											
457.57	472.28	RHYva Coarse grained to ash tuff									
<p>medium grey FG</p> <p>457.57 - 472.28: Few BI porphyroblasts, subrounded to Subangular QE. Containing PO/CP stringers marked by BI patch. Ash layers (no QE) containing 10cm wide clasts of RHYvx/QE (bomb ?). Some intervals altered CL (SP stringers observed), sometime undeveloped CL alteration. Narrow granular silicic bands (large lapilli or disaggregated bands).</p> <p><<Min: 458.55 - 475 0.5% Min: Chalcopyrite>> Stringers.</p> <p><<Min: 458.55 - 476.52 1% Min: Pyrrhotite>> Stringers.</p> <p><<Min: 461.5 - 462.22 1% Min: Sphalerite>> Two stringers in CL altered RHYva.</p> <p><<Alt: 461.5 - 472.28 Weak-Moderate Chlorite>> Considered as original due to fine P stringers at 461.50m and QE persisting through. Locally weak to trace, undeveloped.</p> <p><<Struc: 458.73 - 458.74 dominant foliation>></p>											
472.28	476.52	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<p>black FG</p> <p>472.28 - 476.52: Foliated-local crenulation, CA banded. PO disseminated to patchy. Clasts highly calcareous, light grey.</p> <p><<Min: 472.28 - 492.02 0.1% Min: Pyrite>> Rare fine stringers.</p> <p><<Alt: 472.28 - 476.52 Weak-Moderate Calcite>></p> <p><<Alt: 472.28 - 482.46 Weak-Moderate Silicification>> Silicified mudstone.</p>											
476.52	482.46	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<p>black VFG</p> <p>476.52 - 482.46: Thinly foliated, homogeneous texture, rare CA bands, undeformed. QZ veins (containing PO) or pods from 478.09m to 482.46m, local deformation, cherty. Mafic tuff clasts or bands.</p> <p><<Min: 476.52 - 482.46 2% Min: Pyrrhotite>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Alt: 476.52 - 482.46 Weak Calcite>> Associated with QZ in veins. <<Vein: 478.09 - 483.4 Quartz-Carbonate>> Multiple QZ/CA veins representing 20 percent of the interval.</p>											
482.46	485.79	CHT Chert	black								
<p>482.46 - 485.79: Well developed chert. PO disseminated. MDS/SI interbedded.</p>											
<p><<Alt: 482.46 - 485.79 Strong Silicification>> Chert, possibly silicification. <<Struc: 485.32 - 485.33 dominant foliation>></p>											
485.79	492.02	MDS Carbonaceous Mudstone & Tuffaceous Mudstone	dark grey								
<p>485.79 - 492.02: Weakly CA banded, veinlets.</p>											
<p><<Min: 485.79 - 506 0.5% Min: Pyrrhotite>> <<Alt: 485.79 - 493.62 Weak-Moderate Silicification>> Silicified mudstone. <<Alt: 485.79 - 503.8 Weak-Moderate Calcite>> <<Struc: 487.13 - 487.14 dominant foliation>></p>											
492.02	494.84	MAFta Coarse grained to ash tuff	green								
<p>492.02 - 494.84: Heterogeneous. Chloritic fine grained matrix. Locally siliceous clasts. BI/CA patch/veins. Few QZ veins. Sharp lower contact.</p>											
<p><<Min: 492.02 - 517.14 0.1% Min: Pyrite>> <<Vein: 493.12 - 493.4 Carbonate-Biotite>> BI/CA patch. <<Struc: 493.17 - 497.18 dominant foliation>></p>											
494.84	495.55	MDS Carbonaceous Mudstone & Tuffaceous Mudstone	dark grey								
<p>494.84 - 495.55: CA veining/blabs. Crenulated foliation (primary foliation or bedding relics). Gradual lower contact.</p>											
495.55	497.95	MAFt Mafic Volcaniclastics	green								
<p>495.55 - 497.95: Fine grained choloritic matrix, medium grain clasts (lapilli CA altered). Ashy layers at upper contact. Could be mafic dike, possibly chill margin at lower contact.</p>											
<p><<Struc: 497.16 - 497.17 dominant foliation>></p>											
497.95	502.02	SLT Siltstone - fine-grained sedimentary rock	light grey								
<p>497.95 - 502.02: Could be RHYva/QE. Chloritic content at upper contact fading out downhole. Locally coarser grains. Some MAFt patch intervals (class or beds).</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
502.02	503.80	MAFt Mafic Volcaniclastics	green	FG							
502.02 - 503.8: Fine grained chloritic matrix, medium grained clasts (lapilli altered CA), BI and CA bands.											
503.80	511.30	SLT Siltstone - fine-grained sedimentary rock	light grey	FMG							
503.8 - 511.3: Or RHYva/QE. Granular texture, weakly chloritic at upper contact. BI porphyroblasts patches.											
<<Min: 506 - 511.3 2% Min: Pyrrhotite>>											
<<Alt: 503.8 - 569.79 Weak Calcite>>											
511.30	515.60	SED undifferentiated Sediment	dark grey	FMG							
511.3 - 515.6: QZ/BI/MU unit, intermediate composition, locally chloritic (or green sericite(?)). Mottled texture and clasts at upper contact, biotite rich. Could be volcaniclastic.											
<<Min: 511.3 - 517.14 0.5% Min: Pyrrhotite>>											
515.60	517.14	MDS Carbonaceous Mudstone & Tuffaceous Mudstone	beige	FG							
515.6 - 517.14: Black, fine grained, foliated, few CA bands. QZ vein at upper contact/bleaching, sharp lower contact, Multiple QZ/A vein (2 to 5cm wide).											
<<Vein: 516.65 - 517.14 Quartz-Carbonate>> Multiple QZ and QZ/CA veins representing 30 % of the interval.											
517.14	517.75	RHYva Coarse grained to ash tuff	light grey	FG							
517.14 - 517.75: Abundant QE eyes at upper contact. Gradual lower contact. Fine grain matrix,											
<<Min: 517.14 - 525.94 1% Min: Pyrite>> In fracture.											
<<Min: 517.14 - 525.94 2% Min: Pyrrhotite>> In fracture.											
<<Struc: 517.68 - 517.69 dominant foliation>>											
517.75	518.18	RHY undifferentiated rhyolite	light grey								
517.75 - 518.18: Texture obscured, coarser aspect/granular to massive, almost coherent rhyolite, silica rich, few QZ eyes. Sulphide in fracture (RHYc?).											
518.18	520.58	RHYva Coarse grained to ash tuff	light grey	FG							
518.18 - 520.58: Abundant small QE eyes at upper contact. Gradual lower contact. Fine grain matrix, Including fine grained, light blue, probably ash (40 c interval).											
520.58	523.02	RHY undifferentiated rhyolite	leucocratic								
520.58 - 523.02: Texture obscured, coarser grained/granular to massive, almost coherent rhyolite, silica rich, few QZ eyes. Possibly fracture containing PO. Glassy from 522.66m to 523.02m. Sulphides in fracture (RHYc?).											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
523.02	523.56	RHYva Coarse grained to ash tuff 523.02 - 523.56: Fine grained matrix, few lapilli. Few QE.									
		leucocratic FG									
523.56	525.21	RHYva Coarse grained to ash tuff 523.56 - 525.21: Fine grained, biotite patch and in foliation. Gradual contacts.									
		medium grey FG									
		<<Struc: 524.75 - 524.76 dominant foliation>> <<Struc: 525.15 - 525.16 dominant foliation>>									
525.21	525.65	RHYvi Lapilli tuff 525.21 - 525.65: Mid strained lapilli in fine to fine to medium grained matrix.									
		light grey FMG									
525.65	525.94	INT undifferentiated (granitic) intrusive rocks 525.65 - 525.94: Light color, very sharp contacts, siliceous, fine crystals. Probably intrusive aplitic unit/felsic dyke. Less possibly homogeneous fine grained sandstone channel.									
		beige VFG									
525.94	526.38	RHYva Coarse grained to ash tuff 525.94 - 526.38: With pelitic content marked by biotite.									
		medium grey FG									
		<<Min: 525.94 - 556.07 0.5% Min: Pyrrhotite>> <<Min: 525.95 - 542.92 0.5% Min: Pyrite>> and few disseminated.									
526.38	526.58	INT undifferentiated (granitic) intrusive rocks 526.38 - 526.58: Light color, very sharp contacts, siliceous, fine crystals. Probably intrusive aplitic unit/felsic dyke. Less possibly homogeneous fine grained sandstone channel.									
		beige VFG									
526.58	526.80	RHYva Coarse grained to ash tuff 526.58 - 526.8: With pelitic content marked by biotite.									
		medium grey FG									
526.80	527.13	INT undifferentiated (granitic) intrusive rocks 526.8 - 527.13: Light color, very sharp contacts, siliceous, fine crystals. Probably intrusive aplitic unit/felsic dyke. Feldspar phenocrysts.									
		beige VFG									
527.13	530.02	SED undifferentiated Sediment 527.13 - 530.02: Some clasts could be lapilli. Heterogeneous composition. BI small porphyroblasts elongated.									
		medium grey FG									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
530.02	530.21	INT undifferentiated (granitic) intrusive rocks beige FG									
530.02 - 530.21: Light color, very sharp contacts, siliceous, fine crystals. Probably intrusive aplitic unit/felsic dyke. Less possibly homogeneous fine grained sandstone.											
530.21	532.12	RHYva Coarse grained to ash tuff medium grey FG									
530.21 - 532.12: Few BI porphyroblasts, bleached lower contact, possibly chill margin.											
<<Vein: 532 - 532.15 Quartz-Tourmaline-Sulphide 48 deg. >> Veins, different composition, from possibly TML to glassy silica with phenocrysts and sulfides, marking the contact on sheared/fault zone.											
<<Struc: 532 - 534.15 Moderate Shear>> Measurement from the upper contact between rhyolite and sheared/faulted zone (marked by veins) and probably intrusive felsic unit.											
532.12	534.15	INT undifferentiated (granitic) intrusive rocks light grey									
532.12 - 534.15: Faulted/sheared possibly felsic dyke containing lapilitic rhyolite clasts. Upper contact showing wavy veining, maybe TML, glassy with crystals and inclusion (?) amygdaloidal. Large chill margin at upper contact.											
534.15	539.31	PEL Equigranular biotite + calcite +/- quartz rock grey-green FMG									
534.15 - 539.31: Biotite/chlorite/feldspar unit. Could be mafic dyke. Similar by some aspect with mafic sill but low carbonate content.											
539.31	539.83	INT undifferentiated (granitic) intrusive rocks beige FG									
539.31 - 539.83: Light color, very sharp contacts, siliceous, fine crystals. Probably intrusive aplitic unit/felsic dyke. Biotite needles overprinted.											
539.83	540.44	PEL Equigranular biotite + calcite +/- quartz rock grey-green FMG									
539.83 - 540.44: Biotite/chlorite/feldspar unit. Could be mafic dyke. Similar by some aspect with mafic sill but low carbonate content.											
<<Struc: 540.33 - 540.34 Contact>> Upper contact with aplitic dyke in pelite.											
540.44	540.57	INT undifferentiated (granitic) intrusive rocks beige FG									
540.44 - 540.57: Light color, very sharp contacts, siliceous, fine crystals. Probably intrusive aplitic unit/felsic dyke. Feldspar phenocrysts. Biotite needles overprinted.											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
540.57	542.92	PEL Equigranular biotite + calcite +/- quartz rock black FMG									
540.57 - 542.92: Biotite/chlorite/feldspar unit. Could be mafic dyke. Similar by some aspect with mafic sill but low carbonate content.											
542.92	544.55	RHYva Coarse grained to ash tuff medium grey FG									
542.92 - 544.55: Bleached upper contact possibly due to QZ vein. Small BI porphyroblasts.											
<<Min: 542.92 - 699.71 0.1% Min: Pyrite>> Rare, in fracture.											
<<Alt: 542.92 - 556.07 Weak-Moderate Silicification>>											
544.55	544.71	INT undifferentiated (granitic) intrusive rocks beige VFG									
544.55 - 544.71: Light color, very sharp contacts, siliceous, fine crystals. Probably intrusive aplitic unit/felsic dyke. Feldspar phenocrysts ghosts. Biotite needles overprinted.											
544.71	545.65	RHYvl Lapilli tuff medium grey FMG									
544.71 - 545.65: Well developed BI porphyroblasts, lapilli in fine grained matrix.											
545.65	548.66	RHYva Coarse grained to ash tuff medium grey FG									
545.65 - 548.66: Pelitic content marked by biotite in foliation.											
548.66	548.79	INT undifferentiated (granitic) intrusive rocks beige VFG									
548.66 - 548.79: Light color, very sharp contacts, siliceous, fine crystals. Probably intrusive aplitic unit/felsic dyke. Biotite needles overprinted.											
548.79	550.15	RHYva Coarse grained to ash tuff medium grey FG									
548.79 - 550.15: Pelitic content marked by biotite in foliation.											
550.15	550.26	INT undifferentiated (granitic) intrusive rocks beige VFG									
550.15 - 550.26: Light color, very sharp contacts, siliceous, fine crystals. Probably intrusive aplitic unit/felsic dyke.											
550.26	556.07	RHYva Coarse grained to ash tuff medium grey FG									
550.26 - 556.07: Few lapilli. Pelitic content marked by biotite in foliation. Silicic bands at lower contact from 555.13m.											
<<Struc: 551.26 - 551.27 dominant foliation>>											
<<Struc: 556.06 - 556.07 Contact>> Upper contact pelite/rhyolite.											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
556.07	560.55	PEL Equigranular biotite + calcite +/- quartz rock									
<p>556.07 - 560.55: Homogeneous texture, crosscut by milky QZ veins and aplitic dyke (?).</p> <p><<Min: 556.07 - 558.43 1% Min: Pyrrhotite>> and in veinlets.</p> <p><<Min: 558.43 - 569.79 0.1% Min: Pyrrhotite>> Concentrated in rare pelite bands.</p> <p><<Alt: 558.43 - 569.79 Weak-Moderate Silicification>></p>											
560.55	562.77	INT undifferentiated (granitic) intrusive rocks									
<p>560.55 - 562.77: Light color, very sharp contacts, siliceous, fine crystals. Probably intrusive aplitic unit/felsic dyke. Feldspar phenocrysts.</p> <p><<Struc: 561.41 - 561.42 dominant foliation>></p>											
562.77	565.45	RHYvl Lapilli tuff									
<p>562.77 - 565.45: Rare crystals. Large lapilli poorly sorted in fine grained matrix. Marrow pelitic intervals (10cm and less wide).</p> <p><<Struc: 565.08 - 565.09 Contact>> Lower contact narrow pelite/lapilitic ash tuff.</p>											
565.45	565.86	INT undifferentiated (granitic) intrusive rocks									
<p>565.45 - 565.86: Light color, very sharp contacts, siliceous, fine crystals. Probably intrusive aplitic unit/felsic dyke. Feldspar phenocrysts.</p>											
565.86	569.79	RHYv Rhyolite volcanoclastic									
<p>565.86 - 569.79: Fine grained matrix, rare QE, silicic bands at lower contact.</p> <p><<Struc: 566.62 - 566.62 dominant foliation>></p>											
569.79	572.30	PEL Equigranular biotite + calcite +/- quartz rock									
<p>569.79 - 572.3: Black, fine grain biotite, weakly to moderately calcareous, few QZ/CA veins. Gradual upper contact, sharp lower contact.</p> <p><<Min: 569.79 - 572.3 0.1% Min: Pyrrhotite>></p> <p><<Alt: 569.79 - 572.3 Weak-Moderate Calcite>></p>											
572.30	578.15	RHYvl Lapilli tuff									
<p>572.3 - 578.15: Some fine grained bands (mud or ash?), muscovite content increases at lower contact. Clasts (?) containing QE from 575.13m to 575.31m. Epiclastic sediment, could be logged as SED.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Min: 572.3 - 578.15 0.1% Min: Pyrrhotite>> <<Alt: 572.3 - 578.15 Weak-Moderate Silicification>> <<Alt: 572.3 - 578.15 Trace Calcite>> <<Struc: 572.32 - 572.33 dominant foliation>> <<Struc: 575.93 - 575.94 dominant foliation>></p>											
578.15	579.80	PEL Equigranular biotite + calcite +/- quartz rock									
<p>578.15 - 579.8: Black, fine grain. Some rounded CA replaced clasts could be amygdules (mafic dyke (?). Faulted at lower contact. CA veinlets.</p>											
<p><<Min: 578.15 - 594.42 1% Min: Pyrrhotite>> <<Alt: 578.15 - 594.42 Weak-Moderate Calcite>></p>											
579.80	580.18	RHYvl Lapilli tuff									
<p>579.8 - 580.18: Gougy narrow interval, clastic, coarse, heterogeneous. Epiclastic sediment, could be logged as SED.</p>											
<p><<Struc: 579.8 - 580 Weak Fault>> And weak shearing at contact between pelite and sediments.</p>											
580.18	580.45	INT undifferentiated (granitic) intrusive rocks									
<p>580.18 - 580.45: Very fine crystals, light color, siliceous (quartzite type unit).</p>											
580.45	584.62	PEL Equigranular biotite + calcite +/- quartz rock									
<p>580.45 - 584.62: Biotite rich unit, locally coarse texture/clastic (sediments intercalated).</p>											
<p><<Struc: 581.83 - 581.84 dominant foliation>> <<Struc: 583.03 - 583.04 dominant foliation>> <<Struc: 584.54 - 584.55 dominant foliation>></p>											
584.62	584.87	INT undifferentiated (granitic) intrusive rocks									
<p>584.62 - 584.87: Siliceous, probably intrusive, sharp contact, quartzite (?).</p>											
584.87	587.52	PEL Equigranular biotite + calcite +/- quartz rock									
<p>584.87 - 587.52: Fine grain biotite, weakly to moderately calcareous.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
587.52	589.33	RHYvl Lapilli tuff									
<p>grey-green MCG</p> <p>587.52 - 589.33: Siliceous, strained clasts (lapilli (?)), heterogeneous, conglomerate texture, biotite porphyroblasts. Maybe intermediate composition volcanoclastic unit. Epiclastic sediment, could be logged as SED.</p>											
589.33	594.42	PEL Equigranular biotite + calcite +/- quartz rock									
<p>black FG</p> <p>589.33 - 594.42: Fine grain biotite, weakly to moderately calcareous, phenocrysts feldspar, sharp at upper contact replaced calcite (late crystallization). Possibly mafic unit but narrow sediment interval from 592.90m to 593.00m suggests sedimentary origin.</p>											
594.42	595.25	RHYvl Lapilli tuff									
<p>grey-green FMG</p> <p>594.42 - 595.25: Muscovite/sericite rich matrix, locally conglomerate texture with possibly mid strained lapilli, heterogeneous. Intermediate volcanoclastic unit or sediment.</p> <p><<Min: 594.42 - 635.84 0.1% Min: Pyrrhotite>></p> <p><<Alt: 594.42 - 608.45 Weak Silicification>></p> <p><<Alt: 594.42 - 638.97 Trace Calcite>></p>											
595.25	595.46	INT undifferentiated (granitic) intrusive rocks									
<p>beige VFG</p> <p>595.25 - 595.46: Siliceous, fine crystals, sharp contacts, quartzite aspect.</p>											
595.46	599.77	RHYvl Lapilli tuff									
<p>grey-green MG</p> <p>595.46 - 599.77: Muscovite/sericite rich matrix, locally conglomerate texture with possibly mid strained lapilli, heterogeneous. Intermediate volcanoclastic unit or sediment.</p> <p><<Struc: 595.5 - 599.5 Trace Fault>> Multiple narrow gouge (2 to 5 cm wide). Minor.</p>											
599.77	608.45	RHYva Coarse grained to ash tuff									
<p>dark grey FMG</p> <p>599.77 - 608.45: Muscovite/sericite rich matrix, few clasts (possibly lapilli). Epiclastic sediment, could be logged as SED.</p> <p><<Struc: 603.58 - 603.59 dominant foliation>></p> <p><<Struc: 604.86 - 604.87 dominant foliation>></p> <p><<Struc: 608.3 - 608.31 dominant foliation>></p>											
608.45	612.26	RHYvx Quartz and/or feldspar crystal tuff									
<p>dark grey VFG</p> <p>608.45 - 612.26: Silicified unit showing feldspar and quartz porphyry (1 to 3mm, automorph) in a granular to granophyric texture. Could be intrusive (INT-large felsic dyke). Sharp upper contact.</p> <p><<Alt: 608.45 - 613.46 Intense Silicification>> Quartzite (?).</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
612.26	613.46	INT undifferentiated (granitic) intrusive rocks									
612.26 - 613.46: Probably same unit than above, strongly silicified, bleached, very fine crystals (granophyric), few feldspar ghosts preserved. Could be silicified crystal tuff.											
613.46	616.28	RHYva Coarse grained to ash tuff									
613.46 - 616.28: Intermediate ash tuff.											
<<Alt: 613.46 - 649.31 Weak Silicification>>											
<<Struc: 613.8 - 613.81 dominant foliation>>											
616.28	623.25	RHYva Coarse grained to ash tuff									
616.28 - 623.25: Lapilli at upper contact. Probably epiclastic sediments, Biotite porphyroblasts, heterogeneous composition, some clasts, dominantly fine grain matrix.											
<<Struc: 616.4 - 616.41 dominant foliation>>											
<<Struc: 620.35 - 625.36 dominant foliation>>											
623.25	624.02	SLT Siltstone - fine-grained sedimentary rock									
623.25 - 624.02: Fine grain, homogeneous, felsic, biotite porphyroblasts overprinted.											
624.02	628.14	RHYvi Lapilli tuff									
624.02 - 628.14: Heterogeneous, pebble size clasts, poorly sorted, locally granular, containing elongated silica clasts possibly lapilli. Interpreted as reworked material-epiclastic sediment. Epiclastic sediment, could be logged as SED.											
628.14	628.43	PEL Equigranular biotite + calcite +/- quartz rock									
628.14 - 628.43: Very fine grain biotite, homogeneous.											
628.43	629.30	RHYvi Lapilli tuff									
628.43 - 629.3: Coarse grain, pebble size clasts, conglomerate texture, muscovite/sericite matrix. Epiclastic sediment, could be logged as SED.											
629.30	630.06	RHYva Coarse grained to ash tuff									
629.3 - 630.06: Fine grain, homogeneous, biotite porphyroblasts.											
<<Struc: 629.75 - 629.76 dominant foliation>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
630.06	635.84	RHYvl Lapilli tuff									
<p>630.06 - 635.84: Conglomerate texture, heterogeneous. Siliceous clasts, white, containing rare phenocrysts (porphyry clasts/lapilli (?)). Epiclastic sediment, could be logged as SED.</p> <p><<Struc: 633.2 - 633.21 dominant foliation>></p>											
635.84	636.15	PEL Equigranular biotite + calcite +/- quartz rock									
<p>635.84 - 636.15: Fine grain biotite containing angular, poorly sorted clasts or porphyroblasts (possibly rhyolite clasts, deformed bands observed inside/tube pumice (?)), heterogeneous. Wavy contacts contouring clasts suggesting sedimentary sequence.</p> <p><<Min: 635.84 - 636.15 2% Min: Pyrrhotite>></p>											
636.15	638.97	RHYv Rhyolite volcanoclastic									
<p>636.15 - 638.97: Heterogeneous, locally granular. Some clasts, matrix supported. Sharp lower contact.</p> <p><<Min: 636.84 - 657.53 0.1% Min: Pyrrhotite>></p>											
638.97	639.52	PEL Equigranular biotite + calcite +/- quartz rock									
<p>638.97 - 639.52: Fine grain biotite, sharp contacts, granular o the upper part. Thinly foliated.</p> <p><<Alt: 638.97 - 639.52 Weak Calcite>></p>											
639.52	641.47	PEL Equigranular biotite + calcite +/- quartz rock									
<p>639.52 - 641.47: Biotite bands/ash tuff thinly interbedded, heterogeneous composition. Locally granular and felsic intervals.</p> <p><<Alt: 639.52 - 649.31 Trace Calcite>></p>											
641.47	641.84	INT undifferentiated (granitic) intrusive rocks									
<p>641.47 - 641.84: Siliceous intervals, granular(or granophyric), possibly felsic dyke but sharp contact, no chill margin. Maybe sandstone channel crosscutting muddy pelitic sequence.</p>											
641.84	644.59	RHYv Rhyolite volcanoclastic									
<p>641.84 - 644.59: Fine grain matrix containing few rhyolite clasts and/or lapilli. Gradual upper upper contact, sharp lower contact.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
644.59	649.31	PEL Equigranular biotite + calcite +/- quartz rock dark grey FG									
<p>644.59 - 649.31: Biotite bands/ash tuff thinly interbedded, heterogeneous composition. Locally granular and felsic intervals. Felsic dyke/sandstone/quartzite from 648.42m to 648.61m. Sharp contacts.</p> <p><<Struc: 644.8 - 644.81 dominant foliation>></p>											
649.31	654.87	SLT Siltstone - fine-grained sedimentary rock beige FG									
<p>649.31 - 654.87: Siliceous unit, locally texture changes from fine grain to granular. Containing pelite interval crosscut by narrow felsic interval. Sediment bands at lower contact suggests that al the unit is sedimentary (interpreted as meta sandstone).</p> <p><<Alt: 649.31 - 654.87 Strong Silicification>> Quartzite (?).</p> <p><<Alt: 649.31 - 657.53 Weak Calcite>></p>											
654.87	656.90	PEL Equigranular biotite + calcite +/- quartz rock black FG									
<p>654.87 - 656.9: Possibly mafic dyke but no chill margin. Angular clasts/late porphyroblasts. Sharp upper and lower contacts. Weakly calcareous.</p> <p><<Struc: 656.79 - 656.8 Contact>> Contact between felsic dyke/narrow sandstone unit and RHYv.</p> <p><<Struc: 656.85 - 656.86 dominant foliation>></p>											
656.90	657.53	RHYv Rhyolite volcanoclastic grey-brown FG									
<p>656.9 - 657.53: Light grey, dominantly ash tuff, banded (strongly strained lapilli (?). Containing a 15cm wide siliceous interval (intrusive or sandy/quartzite).</p>											
657.53	659.96	PEL Equigranular biotite + calcite +/- quartz rock black FMG									
<p>657.53 - 659.96: Moderately calcareous. Porphyroblasts replaced calcite over 12cm at upper contact. Heterogeneous at upper contact, locally granular.</p> <p><<Min: 657.53 - 659.96 0.5% Min: Pyrrhotite>></p> <p><<Alt: 657.53 - 659.96 Weak-Moderate Calcite>></p>											
659.96	666.47	RHY undifferentiated rhyolite light grey VFG									
<p>659.96 - 666.47: Siliceous unit, very fine grain, few silica clasts (possibly lapilli). Could be log as RHYc/RHYi. Probably RHYva silicified or siltstone. Weakly calcareous. One light yellow band, very fine grain, possibly mud clasts suggesting sedimentary unit.</p> <p><<Min: 659.96 - 669.78 0.5% Min: Pyrrhotite>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Alt: 659.96 - 666.47 Strong Silicification>> <<Alt: 659.96 - 669.78 Trace Calcite>></p>											
666.47	667.71	PEL Equigranular biotite + calcite +/- quartz rock									
<p>666.47 - 667.71: Interbedded with RHYva.</p>											
667.71	668.64	SLT Siltstone - fine-grained sedimentary rock									
<p>667.71 - 668.64: Fine grain, homogeneous, siliceous. Possibly meta siltstone.</p>											
668.64	669.78	RHY undifferentiated rhyolite									
<p>668.64 - 669.78: Siliceous unit, very fine grain, few silica clasts (possibly lapilli). Could be log as RHYc/RHYi. Probably RHYv silicified or siltstone. Weakly calcareous.</p>											
669.78	671.76	PEL Equigranular biotite + calcite +/- quartz rock									
<p>669.78 - 671.76: Different grain size bands, heterogeneous texture, calcareous.</p>											
<p><<Alt: 669.78 - 671.76 Weak-Moderate Calcite>></p>											
671.76	674.34	RHY undifferentiated rhyolite									
<p>671.76 - 674.34: Siliceous or silicified unit, fine grin. Could be ash tuff or siltstone. Could be log as RHYc/RHYi. Pinkish patches, possible albite alteration.</p>											
<p><<Alt: 671.76 - 674.34 Strong Silicification>> <<Alt: 671.76 - 674.34 Weak Calcite>></p>											
674.34	676.66	PEL Equigranular biotite + calcite +/- quartz rock									
<p>674.34 - 676.66: Different grain size bands, heterogeneous texture, calcareous.</p>											
<p><<Min: 674.5 - 699.71 0.5% Min: Pyrrhotite>> <<Alt: 674.34 - 680.64 Trace Calcite>></p>											
676.66	680.64	RHYva Coarse grained to ash tuff									
<p>676.66 - 680.64: Some banded silica rich patch with obscured texture.</p>											
<p><<Alt: 676.66 - 680.64 Weak Silicification>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
680.64	683.15	PEL Equigranular biotite + calcite +/- quartz rock black FG									
680.64 - 683.15: Weakly to moderately calcareous, CA veinlets, Fine grain and coarser grain bands.											
<<Alt: 680.64 - 683.15 Moderate Calcite>>											
683.15	686.35	RHYv Rhyolite volcanoclastic medium grey FG									
683.15 - 686.35: Pelite interval from 685.65m to 685.96m. Could be SED/heterogeneous texture.											
<<Alt: 683.15 - 698.27 Trace Calcite>>											
<<Struc: 685.07 - 685.08 dominant foliation>>											
<<Struc: 685.65 - 685.66 Contact>> Contact RHYv/PEL.											
686.35	688.30	PEL Equigranular biotite + calcite +/- quartz rock black MG									
686.35 - 688.3: Weakly calcareous, sorted bands.											
688.30	692.27	RHYva Coarse grained to ash tuff medium grey FG									
688.3 - 692.27: Fine grain, few biotite porphyroblasts, homogeneous.											
692.27	694.35	PEL Equigranular biotite + calcite +/- quartz rock black FMG									
692.27 - 694.35: Weakly calcareous, homogeneous, faulted at upper contact.											
<<Alt: 694.27 - 698.27 Weak Silicification>>											
694.35	698.27	RHYva Coarse grained to ash tuff medium grey FG									
694.35 - 698.27: Pelite from 695.89m to 69630m and some siliceous interval showing obscured texture.											
698.27	699.74	PEL Equigranular biotite + calcite +/- quartz rock black FG									
698.27 - 699.74: Homogeneous, fine grain, weakly calcareous.											
<<Min: 699.71 - 704.5 0.5% Min: Pyrrhotite>>											
<<Min: 699.71 - 720.27 1% Min: Pyrite>> Local aggregated euhedral crystal.											
<<Alt: 698.27 - 699.74 Weak-Moderate Calcite>>											
699.74	703.27	RHYv Rhyolite volcanoclastic grey-brown FG									
699.74 - 703.27: Chaotic volcanoclastic interval containing abundant QZ veins/pods-muscovite halo/silicic bands.											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Alt: 699.74 - 704.55 Weak Muscovite>> Associated with QZ veins/pods. <<Alt: 699.74 - 706 Moderate Silicification>> <<Alt: 699.74 - 706.13 Trace Calcite>> <<Vein: 699.74 - 704.55 Quartz>> Multiple QZ veins and pods representing 25% of the interval associated with MU alteration. <<Struc: 702.7 - 703.6 Trace Shear>> Weak deformation along QZ veins.</p>											
703.27	703.62	PEL Equigranular biotite + calcite +/- quartz rock									
703.27 - 703.62: Weakly sheared.											
703.62	706.13	RHYv Rhyolite volcaniclastic									
703.62 - 706.13: Rare silica clasts, fine grain. Probably ash tuff.											
<p><<Min: 704.5 - 720.27 0.1% Min: Pyrrhotite>> <<Alt: 704.55 - 714.5 Trace Muscovite>> <<Struc: 706 - 706.01 dominant foliation>></p>											
706.13	706.69	PEL Equigranular biotite + calcite +/- quartz rock									
706.13 - 706.69: Grains or crystals aggregated in bands. CA veins, moderately calcareous.											
<p><<Alt: 706.13 - 706.69 Weak-Moderate Calcite>> and bands.</p>											
706.69	710.50	RHYvl Lapilli tuff									
706.69 - 710.5: Locally sericite/muscovite matrix bands showing clasts. Possibly reworked volcaniclastic (or sediment). Heterogeneous composition, texture mostly obscured..											
<p><<Alt: 706.69 - 720.27 Trace Calcite>></p>											
710.50	720.27	RHYv Rhyolite volcaniclastic									
710.5 - 720.27: Coarse grain dominantly, some QZ clasts (lapilli?), PY disseminated, possibly large clasts (pumice silicified?) showing obscured texture. BI needles, rare QE.											
720.27	729.12	PEL Equigranular biotite + calcite +/- quartz rock									
720.27 - 729.12: Homogeneous, poorly calcareous, rare rhyolite bands intercalated, PY disseminated from 728.50m to lower contact, large euhedral crystals observed, CA veinlets.											
<p><<Min: 720.27 - 729.72 0.1% Min: Pyrite>> <<Min: 720.27 - 729.72 2% Min: Pyrrhotite>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Alt: 720.27 - 729.72 Weak Calcite>> and bands (veinlets).</p> <p>729.12 735.65 RHYvl Lapilli tuff light grey FMG</p> <p>729.12 - 735.65: Rhyolite and pelite intercalated. QZ bands/silicic bands, chaotic texture, PY disseminated. Pelite from 730.16m to 730.76m and from 732.32m to 730.03m.</p> <p><<Min: 729.72 - 750 2% Min: Pyrite>> Euhedral, large crystals in pelite, aggregated/discontinuous bands in rhyolite.</p> <p><<Min: 729.72 - 752.54 0.5% Min: Pyrrhotite>></p> <p><<Alt: 729.72 - 752.54 Trace Calcite>> In pelite units.</p> <p><<Vein: 729.72 - 732 Quartz>> Multiple QZ veins/silicic bands representing 20% of the interval.</p> <p><<Struc: 735.1 - 735.5 Weak Fault>> Minor fault gouge.</p> <p>735.65 736.20 PEL Equigranular biotite + calcite black FG +/- quartz rock</p> <p>735.65 - 736.2: Fine grain matrix, white mineral clasts or phenocrysts (replaced calcite), possibly amygdules.</p> <p>736.20 737.00 RHYv Rhyolite volcanoclastic medium grey MG</p> <p>736.2 - 737: Dirty rhyolite.</p> <p>737.00 737.60 PEL Equigranular biotite + calcite black FG +/- quartz rock</p> <p>737 - 737.6: Fine grain, homogeneous.</p> <p>737.60 742.48 RHYv Rhyolite volcanoclastic medium grey</p> <p>737.6 - 742.48: Probably epiclastic. Dirty rhyolite, Biotite bands, heterogeneous texture (various grain size bends). Some CL blebs and muscovite alteration trace.</p> <p><<Alt: 739.3 - 742.48 Trace Muscovite>></p> <p><<Alt: 739.3 - 742.48 Trace Chlorite>> And/or green sericite.</p> <p><<Vein: 741.45 - 750.3 Quartz>> Multiple QZ blebs/veins representing 10% of the interval.</p> <p>742.48 743.26 PEL Equigranular biotite + calcite black FG +/- quartz rock</p> <p>742.48 - 743.26: Fine grain, homogeneous, sharp contacts.</p> <p>743.26 752.54 RHYv Rhyolite volcanoclastic medium grey</p> <p>743.26 - 752.54: Pelite intercalated. PY disseminated (euhedral dominantly), QZ patches and weak MU alteration. Locally silicic bands/large strained lapilli (?).</p> <p><<Min: 750 - 764 0.5% Min: Pyrite>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Alt: 746.5 - 749.5 Weak Muscovite>> Associated with QZ blebs. <<Struc: 745.1 - 745.11 dominant foliation>> <<Struc: 745.76 - 745.77 dominant foliation>></p>											
752.54	758.76	PEL Equigranular biotite + calcite black +/- quartz rock									
<p>752.54 - 758.76: Including rhyolitic intervals intercalated. Homogeneous, fine grain, sharp contacts.</p>											
<p><<Min: 752.54 - 765.15 1% Min: Pyrrhotite>> <<Alt: 752.54 - 755.34 Weak Calcite>> <<Alt: 755.34 - 756.04 Trace Calcite>> <<Alt: 756.04 - 758.76 Weak Calcite>></p>											
758.76	765.15	RHYva Coarse grained to ash tuff medium grey FMG									
<p>758.76 - 765.15: Dominantly fine grain, heterogeneous texture. Some clasts aggregated suggesting multiple sorted interval sequences (coarse grain/fine grain).</p>											
<p><<Min: 764 - 780.82 0.1% Min: Pyrite>> <<Alt: 758.76 - 766.52 Trace Calcite>> <<Struc: 762.15 - 762.16 dominant foliation>></p>											
765.15	766.52	RHY undifferentiated rhyolite light grey FG									
<p>765.15 - 766.52: Possibly silicified pumice/sericite intercalated.</p>											
<p><<Min: 765.15 - 793.47 0.5% Min: Pyrrhotite>> <<Alt: 765.15 - 766.52 Moderate-Strong Silicification>></p>											
766.52	767.60	PEL Equigranular biotite + calcite black +/- quartz rock									
<p>766.52 - 767.6: Fine grain, weakly calcareous.</p>											
<p><<Alt: 766.52 - 767.6 Weak Calcite>> <<Struc: 767.38 - 767.65 Trace Fault>> Minor fault gouge.</p>											
767.60	771.54	RHY undifferentiated rhyolite light grey FG									
<p>767.6 - 771.54: Silicic bands/chert (?). Pelite intercalated from 769.61m to 770.01m. Possibly silicified pumice. Ash interval at upper contact.</p>											
<p><<Alt: 767.6 - 771.54 Strong Silicification>> <<Alt: 767.6 - 772.32 Trace Calcite>> <<Struc: 770.85 - 770.86 dominant foliation>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %		
771.54	772.32	RHYva Coarse grained to ash tuff										light grey	FG
771.54 - 772.32: Gradual upper contact.													
772.32	775.88	PEL Equigranular biotite + calcite +/- quartz rock										black	FG
772.32 - 775.88: Rhyolite interval intercalated from 773.80m to 774.08m. Sharp contacts.													
<<Alt: 772.32 - 775.88 Weak Calcite>>													
<<Alt: 775.08 - 777.7 Weak Muscovite>> Could be original with regard to the color.													
<<Struc: 773.56 - 773.61 dominant foliation>>													
775.88	779.15	RHYv Rhyolite volcanoclastic										dark grey	MG
775.88 - 779.15: Dirty rhyolite. Biotite bands, MU alteration trace. Epiclastic sediments (?). Pelite intercalated.													
<<Alt: 775.88 - 783.51 Trace Calcite>>													
779.15	783.51	SED undifferentiated Sediment										dark grey	MG
779.15 - 783.51: Or dirty rhyolite. Chaotic unit, wavy QZ veining, weak muscovite associated, PY disseminated (2%). Possibly clasts relics, biotite bands and patches.													
<<Min: 780.82 - 785.58 2% Min: Pyrite>>													
<<Vein: 780.8 - 782.4 Quartz>> QZ vein patches, 5% of the interval.													
<<Struc: 779.35 - 779.36 dominant foliation>>													
783.51	785.58	SED undifferentiated Sediment										grey-brown	FMG
783.51 - 785.58: Banded brown/black, micaceous, mottled texture.													
<<Alt: 783.51 - 785.68 Weak Calcite>> and in fracture.													
785.58	786.60	PEL Equigranular biotite + calcite +/- quartz rock										black	VFG
785.58 - 786.6: Very fine grain, calcite in fracture.													
<<Min: 785.58 - 793.47 0.5% Min: Pyrite>>													
<<Alt: 785.68 - 793.47 Trace Calcite>>													
786.60	790.40	SED undifferentiated Sediment										grey-brown	FMG
786.6 - 790.4: Gradual lower contact. Micaceous, bands/blebs brown/black.													
790.40	793.47	RHYva Coarse grained to ash tuff										dark grey	FMG
790.4 - 793.47: Dirty rhyolite, gradual upper contact.													

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
793.47	810.53	PEL Equigranular biotite + calcite +/- quartz rock green-brown FG									
<p>793.47 - 810.53: Fine grain, chlorite blebs at upper contact associated with white clasts/porphyroblasts replaced calcite. Chlorite banded intervals, Medium size biotite porphyroblasts, non foliated, homogeneous.</p> <p><<Min: 793.47 - 819.74 2% Min: Pyrrhotite>> <<Min: 793.47 - 854.5 0.1% Min: Pyrite>> <<Alt: 793.47 - 810.53 Weak Chlorite>> <<Alt: 793.47 - 810.53 Weak-Moderate Calcite>> <<Struc: 810.2 - 810.21 dominant foliation>></p>											
810.53	819.75	RHYvl Lapilli tuff light grey FG									
<p>810.53 - 819.75: Fine grain matrix, mid strained clasts (lapilli), silicified, biotite porphyroblasts (overprint). Disseminated garnet (orange/pink-amandine (?)) subhedral, well developed. Sharp upper contact, gradual lower contact.</p> <p><<Min: 819.74 - 854.5 1% Min: Pyrrhotite>> <<Alt: 810.53 - 819.75 Moderate-Strong Silicification>> <<Alt: 811.8 - 818.4 Moderate Garnet>> Probably not original(not associated with muscovite or chlorite). <<Struc: 811.56 - 811.57 dominant foliation>> <<Struc: 817.63 - 817.64 dominant foliation>></p>											
819.75	826.83	MDS Carbonaceous Mudstone & Tuffaceous Mudstone dark grey VFG									
<p>819.75 - 826.83: CA banded, narrow mafic tuff intervals, locally mixed. Biotite in foliation. Sharp lower contact.</p> <p><<Alt: 819.75 - 828.63 Moderate-Strong Calcite>> <<Vein: 820.46 - 820.8 Quartz>> QZ vein/pod in mafic tuff interval. <<Struc: 821.35 - 821.36 dominant foliation>> <<Struc: 824.45 - 824.46 dominant foliation>></p>											
826.83	827.25	MAFt Mafic Volcaniclastics green FG									
<p>826.83 - 827.25: Sharp contact, homogeneous, biotite porphyroblasts, non foliated.</p>											
827.25	828.63	MDS Carbonaceous Mudstone & Tuffaceous Mudstone dark grey VFG									
<p>827.25 - 828.63: CA banded, narrow mafic tuff intervals, locally mixed. Biotite in foliation</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
828.63	846.04	MAFt Mafic Volcaniclastics									
<p>828.63 - 846.04: Homogeneous, weak biotite content, banded BI/CA at upper contact.</p> <p><<Min: 829.3 - 831 0.1% Min: Galena>> I QZ vein.</p> <p><<Alt: 828.63 - 846.04 Weak-Moderate Calcite>></p> <p><<Vein: 829.3 - 831 Quartz>> Multiple narrow QZ vein, GL trace representing 20% of the interval.</p> <p><<Struc: 829.92 - 829.93 dominant foliation>></p> <p><<Struc: 835.43 - 835.44 dominant foliation>></p> <p><<Struc: 839.71 - 839.72 dominant foliation>></p> <p><<Struc: 843.6 - 843.61 dominant foliation>></p>											
846.04	848.38	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<p>846.04 - 848.38: CA banded and light grey bands/clasts strongly calcareous (limestone), gradual contacts. Biotite in foliation.</p> <p><<Alt: 846.04 - 848.38 Moderate Calcite>></p> <p><<Struc: 846.6 - 846.61 dominant foliation>></p>											
848.38	849.66	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<p>848.38 - 849.66: Strongly calcareous, coarser grain, banded, dirty limestone.</p> <p><<Alt: 848.38 - 849.66 Strong Calcite>></p>											
849.66	854.50	MAFt Mafic Volcaniclastics									
<p>849.66 - 854.5: Weakly faulted/fractured, fine grain, CA veins, possibly lithic fragments. EOH.</p> <p><<Alt: 849.66 - 854.5 Moderate Calcite>> EOH.</p> <p><<Struc: 849.66 - 849.67 dominant foliation>></p> <p><<Struc: 850.3 - 854.5 Weak Fault>> Minor fault gouge, weak shearing, fractured mudstone.</p>											
End of Hole @ 854.5											