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GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-403

Prospect:	GP4F	Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	Dillon Hume
Grid:	NAD83_Z9	Hole Diameter:	75.7	Survey By:	Challenger_Survey	Date Logging Start:	7/24/2016
UTM Easting	419512.828	Core Size:	NQ3	Azimuth:	169.3	Date Logging Complete:	7/28/2016
UTM Northing:	6813449.77	Casing Pulled?:	Yes	Dip:	-81	Drill Company:	New Age
UTM Elev. (m):	1353.282	Casing Depth (m):	20.5	Length (m):	343.7	Drill Rig:	Zinex A5
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	7/22/2016
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	7/27/2016
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Resource Definition
Comments:						Parent Hole:	

K16-403 was drilled as a resource definition hole at GP4F.
Bedrock was encountered at 6 m. K16-403 intersected a large sequence of intercalated sedimentary and felsic volcanic rocks. Within this package there are thick intervals of alteration with smaller intervals of mineralization and a few significant marker horizons (QZ-eye rhyolites and a carbonaceous mudstone).
A large zone of pervasive alteration (MU and/or CL-BI-GA) with disseminated sulfides occurs from 201.4-265.84 m. Within this alteration zone there are 6 horizons of heavily disseminated to semi-massive sulfide: OJ (217.77-218.6 m), OL (221.5-222.8 m), OL (236.8-238 m), OJ (250.27-250.54 m), OJ (253.08-253.22 m), and OJ (256.94-257.32 m). A second zone of alteration (without any mineralized horizons) occurs from ~294.5-298 m. Finally, a third zone of alteration with 2 horizons of mineralization occurs at ~324.14-337.65 m. The mineralized horizons occur from 326.4-326.75 m (OJ) and 334.6-334.78 m (OJ) respectively.
The QZ-eye rhyolites (marker horizons?) were encountered from 193.12-200.53 m and 222.8-233.5 m, with the upper horizon being in the hanging wall of main lens and alteration zone, and the later being in the footwall. A carbonaceous mudstone was intersected at the end of the hole, from 336.6-343.7 m (EOH).
R. Hulstein logged 0.00-167.50 m.
D. Hume logged 167.50-343.70 m.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-81	167.9	1.4	169.3	TN14	Roger Hulstein	7/22/2016		☑	Drill aligned at 8pm July 22, 2016.
5	-79.76885	168.95017	1.4	170.35	Gyro	Jerome de Pasquale	7/27/2016		☑	
10	-79.406	169.50253	1.4	170.9	Gyro	Jerome de Pasquale	7/27/2016		☑	
15	-79.38867	169.97903	1.4	171.38	Gyro	Jerome de Pasquale	7/27/2016		☑	
20	-79.17523	169.80549	1.4	171.21	Gyro	Jerome de Pasquale	7/27/2016		☑	
20.5	-79.6	149.5	22.1	171.6	ReflexEZS	New Age	7/23/2016	5802	☐	
25	-79.08088	169.51789	1.4	170.92	Gyro	Jerome de Pasquale	7/27/2016		☑	
30	-78.97648	169.60043	1.4	171	Gyro	Jerome de Pasquale	7/27/2016		☑	
35	-78.98288	170.1473	1.4	171.55	Gyro	Jerome de Pasquale	7/27/2016		☑	
40	-79.02975	170.65508	1.4	172.06	Gyro	Jerome de Pasquale	7/27/2016		☑	
44.5	-78.9	150	22.1	172.1	ReflexEZS	New Age	7/24/2016	5765	☐	
45	-78.78093	170.98565	1.4	172.39	Gyro	Jerome de Pasquale	7/27/2016		☑	
50	-78.65376	171.39175	1.4	172.79	Gyro	Jerome de Pasquale	7/27/2016		☑	
55	-78.47794	171.03524	1.4	172.44	Gyro	Jerome de Pasquale	7/27/2016		☑	

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Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
60	-78.3073	171.50302	1.4	172.9	Gyro	Jerome de Pasquale	7/27/2016		☑	
65	-78.15962	171.27184	1.4	172.67	Gyro	Jerome de Pasquale	7/27/2016		☑	
68.5	-78.3	147.3	22.1	169.4	ReflexEZS	New Age	7/24/2016	5755	☐	
70	-78.18657	171.31562	1.4	172.72	Gyro	Jerome de Pasquale	7/27/2016		☑	
75	-78.17651	171.73545	1.4	173.14	Gyro	Jerome de Pasquale	7/27/2016		☑	
80	-78.36053	171.80609	1.4	173.21	Gyro	Jerome de Pasquale	7/27/2016		☑	
85	-78.29109	172.66745	1.4	174.07	Gyro	Jerome de Pasquale	7/27/2016		☑	
90	-78.18349	172.76822	1.4	174.17	Gyro	Jerome de Pasquale	7/27/2016		☑	
92.5	-78.4	154.2	22.1	176.3	ReflexEZS	New Age	7/24/2016	5752	☐	
95	-78.12917	172.25708	1.4	173.66	Gyro	Jerome de Pasquale	7/27/2016		☑	
100	-78.07247	172.65297	1.4	174.05	Gyro	Jerome de Pasquale	7/27/2016		☑	
105	-78.01933	173.39729	1.4	174.8	Gyro	Jerome de Pasquale	7/27/2016		☑	
110	-77.80705	173.75298	1.4	175.15	Gyro	Jerome de Pasquale	7/27/2016		☑	
115	-77.58713	174.63733	1.4	176.04	Gyro	Jerome de Pasquale	7/27/2016		☑	
119.5	-78	153.2	22.1	175.3	ReflexEZS	New Age	7/24/2016	5764	☐	
120	-77.48349	174.91354	1.4	176.31	Gyro	Jerome de Pasquale	7/27/2016		☑	
125	-77.39306	175.20476	1.4	176.6	Gyro	Jerome de Pasquale	7/27/2016		☑	
130	-77.34807	175.51341	1.4	176.91	Gyro	Jerome de Pasquale	7/27/2016		☑	
135	-77.33044	175.63375	1.4	177.03	Gyro	Jerome de Pasquale	7/27/2016		☑	
140	-77.37716	175.87569	1.4	177.28	Gyro	Jerome de Pasquale	7/27/2016		☑	
143.5	-77.6	155.5	22.1	177.6	ReflexEZS	New Age	7/24/2016	5759	☐	
145	-77.43734	175.73415	1.4	177.13	Gyro	Jerome de Pasquale	7/27/2016		☑	
150	-77.42361	176.65782	1.4	178.06	Gyro	Jerome de Pasquale	7/27/2016		☑	
155	-77.23917	176.27801	1.4	177.68	Gyro	Jerome de Pasquale	7/27/2016		☑	
160	-77.07242	175.77078	1.4	177.17	Gyro	Jerome de Pasquale	7/27/2016		☑	
165	-76.9493	175.57227	1.4	176.97	Gyro	Jerome de Pasquale	7/27/2016		☑	
167.5	-76.9	154.5	22.1	176.6	ReflexEZS	New Age	7/24/2016	5685	☐	
170	-76.75375	175.90788	1.4	177.31	Gyro	Jerome de Pasquale	7/27/2016		☑	
175	-76.62973	176.22867	1.4	177.63	Gyro	Jerome de Pasquale	7/27/2016		☑	
180	-76.66516	176.40363	1.4	177.8	Gyro	Jerome de Pasquale	7/27/2016		☑	
185	-76.50918	176.87015	1.4	178.27	Gyro	Jerome de Pasquale	7/27/2016		☑	
190	-76.35582	176.92987	1.4	178.33	Gyro	Jerome de Pasquale	7/27/2016		☑	
191.5	-76.5	155.2	22.1	177.3	ReflexEZS	New Age	7/25/2016	5721	☐	
195	-76.16085	177.16869	1.4	178.57	Gyro	Jerome de Pasquale	7/27/2016		☑	

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Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
200	-75.95135	177.68255	1.4	179.08	Gyro	Jerome de Pasquale	7/27/2016		☑	
205	-75.82571	177.68773	1.4	179.09	Gyro	Jerome de Pasquale	7/27/2016		☑	
210	-75.77495	177.79328	1.4	179.19	Gyro	Jerome de Pasquale	7/27/2016		☑	
215	-75.63257	177.85172	1.4	179.25	Gyro	Jerome de Pasquale	7/27/2016		☑	
215.5	-75.7	158.5	22.1	180.6	ReflexEZS	New Age	7/25/2016	5694	☐	
220	-75.70304	177.90187	1.4	179.3	Gyro	Jerome de Pasquale	7/27/2016		☑	
225	-75.6316	177.61219	1.4	179.01	Gyro	Jerome de Pasquale	7/27/2016		☑	
230	-75.57434	177.50835	1.4	178.91	Gyro	Jerome de Pasquale	7/27/2016		☑	
235	-75.3809	177.12386	1.4	178.52	Gyro	Jerome de Pasquale	7/27/2016		☑	
239	-75.7	155.3	22.1	177.4	ReflexEZS	New Age	7/25/2016	5718	☐	
240	-75.42445	177.5609	1.4	178.96	Gyro	Jerome de Pasquale	7/27/2016		☑	
245	-75.53013	178.25942	1.4	179.66	Gyro	Jerome de Pasquale	7/27/2016		☑	
250	-75.56816	178.41032	1.4	179.81	Gyro	Jerome de Pasquale	7/27/2016		☑	
255	-75.39915	179.10101	1.4	180.5	Gyro	Jerome de Pasquale	7/27/2016		☑	
260	-75.08937	179.80804	1.4	181.21	Gyro	Jerome de Pasquale	7/27/2016		☑	
263	-74.5	156.5	22.1	178.6	ReflexEZS	New Age	7/26/2016	5718	☐	
265	-74.80044	180.04676	1.4	181.45	Gyro	Jerome de Pasquale	7/27/2016		☑	
270	-74.57599	179.98286	1.4	181.38	Gyro	Jerome de Pasquale	7/27/2016		☑	
275	-74.37506	180.33266	1.4	181.73	Gyro	Jerome de Pasquale	7/27/2016		☑	
280	-74.29714	180.44364	1.4	181.84	Gyro	Jerome de Pasquale	7/27/2016		☑	
285	-74.04606	180.69132	1.4	182.09	Gyro	Jerome de Pasquale	7/27/2016		☑	
287.5	-74.2	160.1	22.1	182.2	ReflexEZS	New Age	7/26/2016	5762	☐	
290	-73.82925	180.71694	1.4	182.12	Gyro	Jerome de Pasquale	7/27/2016		☑	
295	-73.62096	180.62378	1.4	182.02	Gyro	Jerome de Pasquale	7/27/2016		☑	
300	-73.37537	180.30174	1.4	181.7	Gyro	Jerome de Pasquale	7/27/2016		☑	
305	-73.09545	180.16339	1.4	181.56	Gyro	Jerome de Pasquale	7/27/2016		☑	
310	-72.78975	180.41243	1.4	181.81	Gyro	Jerome de Pasquale	7/27/2016		☑	
311	-72.7	150.8	22.1	172.9	ReflexEZS	New Age	7/26/2016	5764	☐	
315	-72.66653	180.5534	1.4	181.95	Gyro	Jerome de Pasquale	7/27/2016		☑	
320	-72.54108	180.86004	1.4	182.26	Gyro	Jerome de Pasquale	7/27/2016		☑	
325	-72.28345	181.2203	1.4	182.62	Gyro	Jerome de Pasquale	7/27/2016		☑	
330	-71.99508	181.03207	1.4	182.43	Gyro	Jerome de Pasquale	7/27/2016		☑	
330.1	-71.5	152.6	22.1	174.7	ReflexEZS	New Age	7/26/2016	5406	☐	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

0.00 6.00 OVBN Overburden

0 - 6: Casing to 21.5m

<<Struc: 1 - 13.3 Weak Fault>> broken core, low angle fractures

6.00 11.16 RHYva Coarse grained to ash tuff medium grey

6 - 11.16: Likely a RHYva with minor PEL component manifesting as biotite rich bands. Below 9.10 m brecciated - fragmental in appearance (mm - cm scale), likely clastic texture, has calcite 'clasts', blebs and brecciated & silicified due to proximity to RHYi.

<<Alt: 6 - 9.1 Trace Calcite>>

<<Alt: 9.1 - 9.8 Moderate Calcite>>

<<Alt: 9.8 - 13.2 Trace Calcite>>

11.16 13.15 RHYi Aphanitic Rhyolite (intrusion) light grey

11.16 - 13.15: RHYi or RHYc? Brecciated - pepperite texture, minor biotite in fractures. Could be silicified RHYva - sed in part.

13.15 24.06 SEDc calcareous Sediment grey-brown

13.15 - 24.06: variably bleached and silicified. Maroon - brown biotite. Lenticular grey calcareous clasts and bands up to 0.5cm thick.

<<Alt: 13.2 - 23.07 Moderate Calcite>> calcareous sed

<<Alt: 23.07 - 25.9 Weak Calcite>> patchy

<<Struc: 14 - 20.06 Weak Fault>> five 10-20cm sections with broken core

<<Struc: 16.8 - 17.1 Moderate dominant foliation>>

<<Struc: 23.35 - 30.65 Weak Fault>> 10 sections, avg <10cm, with broken core and minor gouge - clay on fractures.

24.06 24.17 RHYi Aphanitic Rhyolite (intrusion)

24.06 - 24.17: dykelet, altering PEL on margins.

24.17 25.90 SED undifferentiated Sediment

24.17 - 25.9: Silicified, minor calcite -chlorite veinlets, biotite on fractures and folia

25.90 29.64 RHYi Aphanitic Rhyolite (intrusion)

25.9 - 29.64: RHYi and silicified wallrock - gradational contacts. Unit does not have well developed foliation. Has a blebby fragmental texture with biotite - calcite on fractures. Likely a good portion of the unit is silicified sediment and not RHYi.

<<Alt: 25.9 - 34 Trace Calcite>> and as diss and veinlets

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

29.64 36.07 CHT Chert

29.64 - 36.07: 29.64-32.5; foliated, silica (chert) bands separated by biotite -calcite folia and fractures and this section could be a silicified fine grained sediment - volcaniclastic. 36.07-36.07: well foliated - banded (<1-4mm) silica and fine maroon biotite and muscovite on folia. Bleached and limonite stained from 34.90-35.90m around 10cm clay gouge fault zone at 35.40-35.50m.

<<Min: 31.5 - 76 0.01% Min: Pyrite>> sulfide deficient!

<<Alt: 34 - 36 Weak Calcite>>

<<Alt: 36 - 41.4 Moderate-Strong Calcite>>

36.07 41.50 PEL Equigranular biotite + calcite +/- quartz rock

36.07 - 41.5: Typical PEL but well foliated, with mm calcite folia, maroon biotite. Chlorite - calcite alteration at lower contact.

<<Alt: 41.4 - 45.25 Weak-Moderate Calcite>> and as diss and veinlets

<<Vein: 38.2 - 38.5 100% Quartz>>

<<Vein: 40.1 - 46.6 5% Quartz-Carbonate 62 deg. >> mostly calcite

<<Struc: 38.15 - 38.5 Weak Fault>> qtz vein with 5cm gouge on contacts

41.50 44.37 PEL Equigranular biotite + calcite +/- quartz rock

41.5 - 44.37: Mixed sediment unit; PEL, chert and possibly RHYa or equivalent epiclastic. Variably bleached and silicified, cut by qtz - calcite bands, Also weakly limonite stained - oxidized, due to

<<Alt: 41.5 - 46.7 Weak Muscovite>> associated with RHYi

44.37 44.78 RHYi Aphanitic Rhyolite (intrusion)

44.37 - 44.78: RHYi dykelet

44.78 45.85 PEL Equigranular biotite + calcite +/- quartz rock

44.78 - 45.85: Variably silicified and bleached, cut by abundant calcite veining.

<<Alt: 45.25 - 46.35 Trace Calcite>>

45.85 46.35 RHYi Aphanitic Rhyolite (intrusion)

45.85 - 46.35: RHYi dykelet, likely includes adjacent silicified PEL.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

46.35 47.85 PEL Equigranular biotite + calcite +/- quartz rock

46.35 - 47.85: PEL unit with grey silicified sections

<<Alt: 46.35 - 46.7 Moderate-Strong Calcite>>

<<Alt: 47.05 - 47.8 Moderate Calcite>>

<<Alt: 47.8 - 77.85 Trace Calcite>> mostly veinlets - fracture filling

<<Struc: 46.35 - 47.5 Weak-Moderate Fault>> broken core, minor gouge

47.85 52.45 RHYi Aphanitic Rhyolite (intrusion)

47.85 - 52.45: Massive grey - green RHYi with crackled texture, locally minor biotite in fractures. At upper contact RHYi is foliated and is likely silicified PEL for first 30cm. 51.25-52.45m; RHYi has maroon biotite on fractures, blebby - brx texture with indistinct biotite bands - likely representing assimilated PEL.

<<Alt: 48 - 51 Weak Chlorite>> diffuse, fine grained

<<Vein: 50.25 - 50.4 5% Quartz>>

52.45 54.13 PEL Equigranular biotite + calcite +/- quartz rock

52.45 - 54.13: Marron biotite PEL, silicified, little calcite left. Partly assimilated by surrounding RHYi.

54.13 73.77 RHYi Aphanitic Rhyolite (intrusion)

54.13 - 73.77: Massive grey - green RHYi with local crackled texture, biotite on fractures. At upper contact RHYi is locally foliated and banded and is likely silicified PEL, partly assimilated PEL to 57.7 m. Below 57.7 m RHYi blebby - brx texture is common along with moderately siliceous foliated sections & bands (likely representing partly assimilated RHYva?).

<<Alt: 62.8 - 73.77 Trace Chlorite>> diffuse, fine grained

<<Vein: 59.85 - 73.7 3% Quartz>> white - light grey qtz veins and qtz vein fragments

<<Struc: 54.65 - 56 Weak-Moderate dominant foliation>>

<<Struc: 70 - 70.3 Weak dominant foliation>>

<<Struc: 71.6 - 73 Weak-Moderate Fault>> broken core, missing core, fracture at low angle to core axis.

73.77 77.85 SLT Siltstone - fine-grained sedimentary rock

73.77 - 77.85: Med grey, maroon biotite, muscovite and calcite on folia and fractures. Blebby bands, rarely calcareous (limestone component). Not chert as originally thought as not siliceous enough and fine grains are identifiable with hand lens.

<<Alt: 73.77 - 77.85 Moderate Silicification>>

<<Struc: 74.5 - 75.5 Trace Fault>> low angle fractures with clay - calcite - local Fe stain.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

<<Struc: 77.75 - 77.85 Weak Fault>>

77.85 79.90 PEL Equigranular biotite + calcite +/- quartz rock

<<Alt: 77.85 - 79.9 Strong Calcite>>

<<Vein: 79.83 - 85.35 5% Quarzt-Chlorite-Carbonate>> white qtz, qtz-calcite +/- chlorite

<<Struc: 77.9 - 81.6 Weak Fault>> 5 zones, <10 broken core-crushed.

79.90 85.44 SLT Siltstone - fine-grained sedimentary rock

79.9 - 85.44: as previous SLT

<<Alt: 79.9 - 85.2 Weak Calcite>> limy blebs and calcite on fractures

<<Alt: 79.9 - 85.44 Moderate Silicification>>

<<Alt: 85.2 - 95.2 Trace Calcite>>

<<Struc: 85.1 - 85.5 Weak Fault>> 2 zones, <10 broken core-crushed.

85.44 89.80 RHYi Aphanitic Rhyolite (intrusion)

85.44 - 89.8: Crackle brecciated. Chlorite and calcite on fractures

<<Alt: 85.44 - 89.8 Weak Muscovite>> musc - sericite on fractures

<<Vein: 89.2 - 93.4 70% Quartz>> white qtz - related to RHYi contact

<<Struc: 86.6 - 94.1 Weak-Moderate Fault>> broken core, crushed, minor gouge, missing core

89.80 102.05 RHY undifferentiated rhyolite

89.8 - 102.05: Brecciated, sericite - argillic altered, non siliceous, rhyolite. 189.80-193.15m: Qtz veining (quartzolite?). Locally banded and not brecciated.

<<Min: 97.72 - 98.75 0.5% Min: Pyrite>>

<<Min: 97.72 - 98.75 0.01% Min: Arsenopyrite>> AS or some other fine grained silver sulfide

<<Min: 99.5 - 102.5 0.1% Min: Pyrite>> dirty 'grey' pyrite

<<Alt: 91.3 - 102.05 Moderate Muscovite>> musc - sericite

<<Alt: 95.2 - 102.05 Weak-Moderate Calcite>>

<<Struc: 100.5 - 113.3 Weak-Moderate Fault>> numerous zones broken core, crushed, minor gouge

102.05 104.50 RHYi Aphanitic Rhyolite (intrusion)

102.05 - 104.5: Incorporates altered RHY.

<<Min: 103.82 - 104.35 0.1% Min: Pyrite>>

<<Alt: 102.05 - 104.5 Weak Calcite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

<<Alt: 102.05 - 105 Weak Muscovite>> musc - sericite on fractures

104.50 111.47 PEL Equigranular biotite + calcite +/- quartz rock

104.5 - 111.47: bleached at contacts and adjacent to small shear zones around 107m.

<<Min: 108.9 - 113.3 0.1% Min: Pyrite>>

<<Min: 108.9 - 113.3 0.1% Min: Pyrrhotite>>

<<Alt: 104.5 - 111.47 Moderate Calcite>> pervasive to diss and fracture filling.

<<Alt: 106.6 - 107.5 Moderate-Strong Muscovite>> musc - sericite with fault zone

<<Alt: 111.2 - 115.6 Weak Muscovite>> musc - sericite on fractures and in fault - brx zones

<<Vein: 105.55 - 105.81 70% Carbonate-Chlorite>>

111.47 115.50 RHYi Aphanitic Rhyolite (intrusion)

111.47 - 115.5: incorporates bleached -silicified PEL. 30cm qtz veining at upper contact.

<<Alt: 111.47 - 115.5 Weak Calcite>> diss to blebs

<<Vein: 111.47 - 111.91 60% Quartz>>

<<Vein: 112.25 - 112.43 80% Quartz>>

<<Vein: 113.2 - 114.9 30% Quartz>>

<<Struc: 113.3 - 115.5 Moderate-Strong Fault>> broken core, crushed, minor gouge, missing core

115.50 116.34 PEL Equigranular biotite + calcite +/- quartz rock

<<Alt: 115.5 - 116.37 Moderate-Strong Calcite>>

116.34 116.69 RHY undifferentiated rhyolite

116.34 - 116.69: 50% qtz vein and 4 cm shear zone

<<Alt: 116.37 - 116.69 Trace Calcite>>

<<Vein: 116.4 - 116.55 100% Quartz>>

116.69 118.20 PEL Equigranular biotite + calcite +/- quartz rock

<<Min: 118.1 - 127.58 0.5% Min: Pyrite>>

<<Min: 118.1 - 127.58 0.1% Min: Pyrrhotite>>

<<Alt: 116.69 - 118.2 Moderate-Strong Calcite>>

<<Vein: 116.72 - 118.16 20% Quartz-Carbonate>> also crosscutting stringers

<<Struc: 117.6 - 117.75 Moderate Vein>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

118.20 118.80 RHYvl Lapilli tuff

<<Alt: 118.2 - 118.8 Weak-Moderate Calcite>>

<<Struc: 118.5 - 118.8 Moderate dominant foliation>>

118.80 119.39 RHYcw Curdy textured-flow banded (flows, subvolcanics)

<<Alt: 118.8 - 119.39 Weak Muscovite>> in bands

<<Alt: 118.8 - 119.39 Weak Calcite>>

<<Vein: 118.8 - 119 40% Quartz>> silicified envelope

119.39 127.58 RHYvl Lapilli tuff

119.39 - 127.58: contains variable amounts of biotite, including thin (<20cm) biotite rich PEL bands. 125.80-125.30: minor silic bands, RHYcw.

<<Alt: 119.39 - 120.55 Weak-Moderate Calcite>> calcareous PEL bands

<<Alt: 120 - 126.65 Weak Muscovite>> in minor fault - brx zones with clay - sericite, and on fractures

<<Alt: 120.55 - 127.58 Weak Calcite>> rare bands, fracture filling and diss

<<Alt: 122.2 - 127 Weak-Moderate Silicification>>

<<Alt: 127 - 128.4 Weak Biotite>>

<<Alt: 127.55 - 128.6 Weak-Moderate Chlorite>>

<<Vein: 122.22 - 124.36 3% Quartz>>

<<Vein: 125 - 125.1 10% Quartz-Sulphide 20 deg. >> bleached - silicified envelope

<<Struc: 124.85 - 126.51 Trace Fault>> low angle fractures

127.58 129.10 PEL Equigranular biotite + calcite +/- quartz rock

127.58 - 129.1: lower contact bleached and silicified over 30cm

<<Min: 127.58 - 128.7 1% Min: Pyrrhotite>>

<<Alt: 127.58 - 129.1 Moderate-Strong Calcite>>

<<Vein: 128.07 - 128.47 50% Quarzt-Chlorite-Carbonate>> <3% PY -PO

129.10 134.32 RHYi Aphanitic Rhyolite (intrusion)

129.1 - 134.32: includes RHYvl

<<Min: 129.1 - 134.32 1% Min: Pyrite>>

<<Alt: 129.1 - 134.32 Trace Calcite>>

<<Alt: 129.35 - 134.32 Weak Muscovite>> in minor fault - brx zones with clay - sericite, and on fractures

<<Struc: 129.2 - 132 Moderate-Strong Fault>> broken core, crushed, minor gouge

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

<<Struc: 132 - 134.4 Weak Fault>> fractures with clay

134.32 139.94 PEL Equigranular biotite + calcite +/- quartz rock

134.32 - 139.94: Chlorite altered and calcite banded.

<<Min: 136.75 - 139.9 0.5% Min: Pyrrhotite>>

<<Alt: 134.32 - 138.55 Moderate-Strong Chlorite>> and in bands

<<Alt: 134.32 - 139.9 Moderate Biotite>>

<<Alt: 134.32 - 140.04 Weak-Moderate Calcite>>

<<Vein: 134.32 - 136.2 20% Quarzt-Chlorite-Carbonate>>

<<Vein: 136.4 - 140.04 5% Quarzt-Chlorite-Carbonate>>

139.94 141.30 RHYcw Curdy textured-flow banded (flows, subvolcanics)

139.94 - 141.3: includes 70 cm qtz vein

<<Alt: 140 - 140.5 Moderate-Strong Silicification>>

<<Alt: 140.04 - 142.25 Moderate Calcite>>

<<Vein: 140.4 - 141.5 90% Quartz>>

141.30 145.00 PEL Equigranular biotite + calcite +/- quartz rock

141.3 - 145: chlorite alteration

<<Min: 141.3 - 141.5 0.5% Min: Pyrite>>

<<Min: 144 - 145 0.5% Min: Pyrrhotite>>

<<Alt: 141.3 - 141.5 Moderate Tourmaline>> tourmaline and related alteration (assoc with granite) overprints black OR biotite alteration.

<<Alt: 141.9 - 144.8 Moderate Biotite>>

<<Alt: 141.9 - 144.9 Moderate-Strong Chlorite>>

<<Alt: 142.25 - 145 Weak Calcite>> and as rare bands

<<Vein: 142.7 - 143.63 7% Quartz-Carbonate>>

<<Struc: 143.2 - 143.5 Moderate dominant foliation>>

145.00 154.81 RHYv Rhyolite volcaniclastic

145 - 154.81: light green, sericite-muscovite altered. Weak patchy silicification. Overall original textures have been obliterated.

<<Min: 145 - 148.8 3% Min: Pyrite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

<<Min: 147.7 - 150.7 0.1% Min: Pyrrhotite>>

<<Min: 148.8 - 154.81 1% Min: Pyrite>>

<<Min: 150.7 - 153.1 1% Min: Pyrrhotite>>

<<Min: 153.1 - 160.82 0.5% Min: Pyrrhotite>>

<<Alt: 145 - 148.6 Moderate Muscovite>> Green sericite in silicified RHY plus musc - sericite in minor fault - brx zones with clay and on fractures

<<Alt: 145 - 155.2 Weak Silicification>>

<<Alt: 145 - 173.4 Trace Calcite>> fracture filling

<<Alt: 148.6 - 155.2 Weak Muscovite>> pervasive, on folia and focused on minor fault - shear brx zones and on fractures.

<<Vein: 151 - 151.6 30% Quartz-Carbonate>>

<<Vein: 154.35 - 154.45 10% Quartz-Tourmaline>>

<<Struc: 145.8 - 146.2 Moderate Fault>> fractured at low angle, clay, muscovite alteration

<<Struc: 148 - 150.83 Weak Fault>> fractures with clay, minor calcite, 2 cm crush zone.

<<Struc: 151.8 - 152 Weak-Moderate dominant foliation>>

<<Struc: 153.27 - 154.7 Trace Fault>> low angle fractures with sand.

154.81 160.82 RHYvl Lapilli tuff

154.81 - 160.82: Possible feldspar crystals, <0.5cm. Bands and blebs of blebby silica - lpl? Muscovite folia.

<<Min: 154.81 - 160.82 0.5% Min: Pyrite>>

<<Alt: 155.2 - 167.5 Strong Silicification>>

<<Vein: 159.16 - 159.22 100% Quartz-Carbonate>> minor PO in silicified bleached envelope

<<Struc: 156.8 - 157 Weak-Moderate dominant foliation>>

160.82 161.59 MAFi Mafic Intrusions (primarily footwall mafic intrusion)

160.82 - 161.59: Dark green and black, dense granular, biotite-chlorite-feldspar (calcite) dyke. Chilled margins.

<<Min: 160.82 - 161.59 0.1% Min: Pyrrhotite>>

161.59 173.40 RHYvl Lapilli tuff

161.59 - 173.4: Possible feldspar crystals, <0.5cm. Bands of blebby silica - lpl? Silcification obliterating original texture.

<<Min: 161.59 - 167.5 0.5% Min: Pyrite>>

<<Min: 161.59 - 167.5 3% Min: Pyrrhotite>>

<<Min: 167.5 - 173.4 1% Min: Pyrite>>

<<Min: 167.5 - 173.4 1% Min: Pyrrhotite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

173.40 176.14 PEL Equigranular biotite + calcite +/- quartz rock

173.4 - 176.14: Gradational upper and lower margin with the volcaniclastic rhyolites

<<Min: 173.4 - 176.14 0.5% Min: Pyrite>>

<<Alt: 173.4 - 176.14 Moderate Calcite>>

<<Vein: 173.9 - 174.5 3% Calcite 20 deg. >> CA fracture filling veins, crosscutting all foliation and nondeformed.

176.14 182.72 RHYv Rhyolite volcaniclastic

176.14 - 182.72: Weak MU-alteration. Disseminated PY. 'Dirty' volcaniclastic rhyolite, with disseminated patches of BI (sediment?). Minor small blebs of CL alteration.

<<Min: 176.14 - 182.72 2% Min: Pyrite>>

<<Alt: 176.14 - 182.72 Weak Calcite>>

<<Struc: 182.35 - 182.36 Weak-Moderate dominant foliation>>

182.72 184.65 PEL Equigranular biotite + calcite +/- quartz rock

182.72 - 184.65: Purplish-brown BI-CA+/-CL schist, with ptygmatic CA veins. Well foliated/laminated.

<<Min: 182.72 - 184.65 1% Min: Pyrite>>

<<Alt: 182.72 - 184.65 Moderate Calcite>>

184.65 190.74 RHYv Rhyolite volcaniclastic

184.65 - 190.74: Weak MU alteration with disseminated PY. Light grey, fine grained, with local lpl, volcaniclastic rhyolite.

<<Min: 184.65 - 191.68 5% Min: Pyrite>>

<<Alt: 184.65 - 191.68 Trace Calcite>>

<<Alt: 184.65 - 195.9 Weak Muscovite>>

<<Struc: 188.2 - 191 Weak Fault>>

190.74 191.68 RHYc Rhyolite coherant volcanics

190.74 - 191.68: Silica banded rhyolite

191.68 191.88 PEL Equigranular biotite + calcite +/- quartz rock

191.68 - 191.88: Purplish-brown BI-CA+/-CL schist, with ptigmatic CA veins. Well foliated/laminated.

<<Min: 191.68 - 191.88 0.5% Min: Pyrite>>

<<Alt: 191.68 - 191.88 Moderate Calcite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

191.88 193.12 RHYvl Lapilli tuff

191.88 - 193.12: Weak to moderate MU alteration. Local lpl and silicic bands.

<<Min: 191.88 - 195.9 1% Min: Pyrite>>

<<Alt: 191.88 - 193.12 Trace Calcite>>

<<Vein: 192.8 - 192.85 100% Quartz>> Massive QZ vein

193.12 193.94 PEL Equigranular biotite + calcite +/- quartz rock

193.12 - 193.94: Two layers of pelitic sediments with minor rhyolite between. The lower layer some silicic lpl and QZ-eyes within.

<<Min: 193.93 - 195.9 0.5% Min: Sphalerite>>

<<Alt: 193.12 - 193.94 Moderate Calcite>>

<<Alt: 193.6 - 193.94 Weak Chlorite>>

<<Alt: 193.6 - 193.94 Moderate Biotite>>

193.94 195.90 RHYvx Quartz and/or feldspar crystal tuff

193.94 - 195.9: QZ-eyes in weak-moderate MU-altered groundmass. Local band with pelitic sediment material. Minor wisps of SP.

<<Alt: 193.94 - 195.9 Weak Calcite>>

<<Struc: 195.5 - 197.5 Weak-Moderate Fault>>

195.90 196.38 PEL Equigranular biotite + calcite +/- quartz rock

<<Min: 195.9 - 196.38 0.1% Min: Pyrite>>

<<Alt: 195.9 - 196.3 Moderate Calcite>>

<<Alt: 196.3 - 198.51 Trace Calcite>>

196.38 198.51 RHYvx Quartz and/or feldspar crystal tuff

196.38 - 198.51: QZ-eyes and siliceous lpl in fine ashy to sediment matrix. Appears to fine downward into a pelitic sediment.

<<Min: 196.38 - 198.51 0.5% Min: Sphalerite>>

<<Min: 196.38 - 198.51 1% Min: Pyrite>>

<<Alt: 196.38 - 198.51 Weak Muscovite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

198.51 199.30 PEL Equigranular biotite + calcite +/- quartz rock

198.51 - 199.3: Gradational (fining downward) upper contact and sharp lower contact

<<Min: 198.51 - 199.3 0.1% Min: Pyrite>>

<<Alt: 198.51 - 199.3 Moderate Calcite>>

<<Alt: 198.51 - 199.3 Strong Biotite>>

199.30 200.53 RHYvx Quartz and/or feldspar crystal tuff

199.3 - 200.53: QZ-eyes and siliceous lpl in fine ashy matrix. Grades (fining downward) into a pelitic sediment unit.

<<Min: 199.3 - 200.53 1% Min: Pyrite>>

<<Alt: 199.3 - 200.53 Weak Muscovite>>

<<Alt: 199.3 - 200.53 Weak Calcite>>

200.53 201.40 PEL Equigranular biotite + calcite +/- quartz rock

200.53 - 201.4: Partially CL-altered (?), BI-CL-CA schist with gradational margins.

<<Min: 200.53 - 201.4 0.5% Min: Pyrite>>

<<Alt: 200.53 - 201.4 Weak Chlorite>>

<<Alt: 200.53 - 201.4 Moderate Calcite>>

<<Alt: 200.53 - 201.4 Strong Biotite>>

201.40 205.60 RHYc Rhyolite coherant volcanics

201.4 - 205.6: Moderate MU alteration. Light-medium grey, silicic banded rhyolite, with local patches of pelitic and ashy material.

<<Min: 201.4 - 205.6 1% Min: Sphalerite>>

<<Min: 201.4 - 205.6 1% Min: Pyrite>>

<<Min: 201.4 - 205.6 1% Min: Pyrrhotite>>

<<Min: 201.4 - 205.6 0.1% Min: Galena>>

<<Alt: 201.4 - 205.6 Moderate Silicification>>

<<Alt: 201.4 - 205.6 Moderate Muscovite>>

<<Alt: 201.4 - 205.6 Weak-Moderate Calcite>>

<<Alt: 201.4 - 205.6 Weak-Moderate Biotite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
205.60	**206.30**	**PEL** **Equigranular biotite + calcite +/- quartz rock** <<Min: 205.6 - 206.3 0.1% Min: Pyrrhotite>> <<Alt: 205.6 - 206.3 Weak Muscovite>> <<Alt: 205.6 - 206.3 Moderate Calcite>> <<Alt: 205.6 - 206.3 Strong Biotite>> May have hydrothermal BI too <<Struc: 206.22 - 206.23 Weak-Moderate dominant foliation>>									
206.30	**207.08**	**RHY** **undifferentiated rhyolite** 206.3 - 207.08: Siliceous and CL-BI altered rhyolite with disseminated to wispy PY+SP+PO+/-CP. Minor disseminated Garnet porphyroblasts. <<Min: 206.3 - 207.08 2% Min: Sphalerite>> <<Min: 206.3 - 207.08 2% Min: Pyrite>> <<Alt: 206.3 - 214.07 Moderate Silicification>> <<Alt: 206.3 - 214.07 Weak Muscovite>> <<Alt: 206.3 - 214.07 Weak Garnet>> <<Alt: 206.3 - 214.07 Moderate Chlorite>> <<Alt: 206.3 - 214.07 Weak-Moderate Calcite>> <<Alt: 206.3 - 214.07 Weak-Moderate Biotite>>									
207.08	**207.43**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock** 207.08 - 207.43: Semi-massive to wispy SP+PY+PY+/-CP in CL-MU-GA alteration zone <<Min: 207.08 - 207.43 7% Min: Sphalerite>> <<Min: 207.08 - 207.43 3% Min: Pyrite>> <<Min: 207.08 - 207.43 1% Min: Pyrrhotite>> <<Min: 207.08 - 207.43 0.5% Min: Chalcopyrite>>	207.08	207.43	0.35	D00004466	0.021	8	0.12	0.03	7.93
207.43	**208.60**	**RHY** **undifferentiated rhyolite** 207.43 - 208.6: Siliceous and CL-BI altered rhyolite with disseminated to wispy PY+SP+PO+/-CP. Minor disseminated Garnet porphyroblasts. <<Min: 207.43 - 214.07 2% Min: Sphalerite>> <<Min: 207.43 - 214.07 3% Min: Pyrite>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Min: 207.43 - 214.07 1% Min: Pyrrhotite>>									
		<<Min: 207.43 - 214.07 0.1% Min: Chalcopyrite>>									
208.60	**208.94**	**PEL** **Equigranular biotite + calcite +/- quartz rock**									
		208.6 - 208.94: BI schist with moderate CL-alteration. Ptygmatic calcite veins. Disseminated PY+SP+/-CP.									
208.94	**214.07**	**RHY** **undifferentiated rhyolite**	212.75	214.07	1.32	D00004467	0.073	9.3	0.09	0.54	1.68
		208.94 - 214.07: CL-SI-BI-GA altered rhyolite with disseminated to blebby PY+SP+PO+/-CP									
		<<Struc: 212.5 - 212.75 Moderate Fault>>									
214.07	**214.78**	**PEL** **Equigranular biotite + calcite +/- quartz rock**	214.07	214.78	0.71	D00004468	0.01	2.3	0.05	0.04	0.57
		214.07 - 214.78: BI-CA banded schist. Almost appears unaltered.									
		<<Min: 214.07 - 214.5 0.5% Min: Pyrite>>									
		<<Min: 214.5 - 216.04 4% Min: Sphalerite>>									
		<<Min: 214.5 - 216.04 2% Min: Pyrite>>									
		<<Alt: 214.07 - 214.78 Moderate Calcite>>									
		<<Alt: 214.07 - 214.78 Strong Biotite>> May have hydrothermal BI too									
214.78	**216.04**	**RHY** **undifferentiated rhyolite**	214.78	216.04	1.26	D00004469	0.053	19.1	0.14	0.27	1.81
		214.78 - 216.04: CL-SI-BI-GA altered rhyolite with disseminated to blebby PY+SP+PO+/-CP									
		<<Alt: 214.78 - 216.04 Moderate Muscovite>>									
		<<Alt: 214.78 - 216.04 Weak-Moderate Calcite>>									
		<<Vein: 215.15 - 215.3 50% Quartz 5 deg. >> Massive QZ-vein with disseminated cgr PY+SP+GL									
216.04	**216.94**	**PEL** **Equigranular biotite + calcite +/- quartz rock**	216.04	216.94	0.90	D00004471	-0.005	0.4	-0.01	-0.01	0.02
		<<Min: 216.04 - 216.94 1% Min: Pyrite>>									
		<<Alt: 216.04 - 216.94 Moderate Calcite>>									
		<<Alt: 216.04 - 216.94 Strong Biotite>> May have hydrothermal BI too									
216.94	**217.77**	**RHY** **undifferentiated rhyolite**	216.94	217.77	0.83	D00004472	0.131	23.3	0.04	0.43	0.81
		216.94 - 217.77: Moderate-strong MU-alteration of fine grained rhyolite with minor disseminated PY.									
		<<Min: 216.94 - 217.77 1% Min: Sphalerite>>									
		<<Min: 216.94 - 217.77 2% Min: Pyrite>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Alt: 216.94 - 217.77 Moderate Muscovite>>											
<<Alt: 216.94 - 218.6 Weak Calcite>>											
<<Vein: 217.35 - 217.6 5% Calcite>> Stockwork CA veinlets											
217.77	**218.60**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock**	217.77	218.60	0.83	D00004473	0.71	94.2	0.13	3.61	6.12
217.77 - 218.6: Heavily disseminated to semi-massive SP+PO+PY+/-GL+/-CP.											
<<Min: 217.77 - 218.6 7% Min: Sphalerite>>											
<<Min: 217.77 - 218.6 7% Min: Pyrite>>											
<<Min: 217.77 - 218.6 7% Min: Pyrrhotite>>											
<<Min: 217.77 - 218.6 0.5% Min: Galena>>											
<<Min: 217.77 - 218.6 0.5% Min: Chalcopyrite>>											
<<Alt: 217.77 - 218.6 Moderate-Strong Muscovite>>											
<<Alt: 217.77 - 218.6 Weak-Moderate Chlorite>>											
<<Alt: 217.77 - 218.6 Moderate Biotite>>											
<<Struc: 218.4 - 218.41 Moderate dominant foliation>>											
218.60	**218.76**	**PEL** **Equigranular biotite + calcite +/- quartz rock**	218.60	219.60	1.00	D00004474	0.043	-0.3	-0.01	0.01	0.02
218.6 - 218.76: PEL below semi-massive sulfide horizon											
<<Min: 218.6 - 218.76 0.1% Min: Pyrite>>											
<<Alt: 218.6 - 218.76 Weak Muscovite>>											
<<Alt: 218.6 - 218.76 Moderate Calcite>>											
<<Alt: 218.6 - 218.76 Strong Biotite>> May have hydrothermal BI too											
218.76	**220.78**	**RHYvl** **Lapilli tuff**	219.60	220.78	1.18	D00004475	0.083	-0.3	-0.01	-0.01	0.01
218.76 - 220.78: MU-altered groundmass with siliceous lpl											
<<Min: 218.76 - 220.78 1% Min: Pyrrhotite>>											
<<Alt: 218.76 - 220.78 Moderate Muscovite>>											
<<Alt: 218.76 - 220.78 Weak-Moderate Calcite>>											
<<Vein: 219.4 - 220.7 2% Quartz-Carbonate>> ~1 2-5 cm wide QZ-carb vein per metre											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
220.78	**221.50**	**PEL** **Equigranular biotite + calcite +/- quartz rock**	220.78	221.50	0.72	D00004476	10.72	1.3	0.03	-0.01	0.03
220.78 - 221.5: No strongly noticeable difference from unaltered PEL. Has weak sericitic alteration, but still dominated by BI.											
<<Min: 220.78 - 221.5 0.5% Min: Pyrite>>											
<<Alt: 220.78 - 221.5 Weak Muscovite>>											
<<Alt: 220.78 - 221.5 Moderate Calcite>>											
<<Alt: 220.78 - 221.5 Strong Biotite>> May have hydrothermal BI too											
221.50	**222.80**	**OL** **semi to massive sulphide; 10 – 40% coarse buckshot PY in a SP +/- PO, MG, GL, CP matrix**	221.50	222.80	1.30	D00004477	0.937	329	0.1	4.26	7.65
221.5 - 222.8: Semi-massive PO+PY+SP+/-GL+/-CP in strongly MU-BI alteration. PY displays buckshot texture in patchy SP.											
<<Min: 221.5 - 222.8 10% Min: Sphalerite>>											
<<Min: 221.5 - 222.8 10% Min: Pyrite>>											
<<Min: 221.5 - 222.8 10% Min: Pyrrhotite>>											
<<Min: 221.5 - 222.8 1% Min: Galena>>											
<<Min: 221.5 - 222.8 0.5% Min: Chalcopyrite>>											
<<Alt: 221.5 - 222.8 Strong Muscovite>>											
<<Alt: 221.5 - 222.8 Weak-Moderate Calcite>>											
<<Alt: 221.5 - 222.8 Strong Biotite>>											
<<Vein: 221.8 - 222.4 5% Quartz>> 2 small QZ veins/blebby silica with recrystallized sulfides											
222.80	**233.50**	**RHYvx** **Quartz and/or feldspar crystal tuff**	222.80	224.30	1.50	D00004478	0.065	12.3	-0.01	0.15	0.25
222.8 - 233.5: QZ-eye rhyolite with moderate-strong MU-alteration. Minor diss to patchy PY+/-PO+/-SP associated with patchy CL+BI+/-GA alteration.											
<<Min: 222.8 - 228.6 1% Min: Sphalerite>>			224.30	225.80	1.50	D00004479	0.044	11.8	-0.01	0.16	0.28
<<Min: 222.8 - 228.6 3% Min: Pyrite>>			225.80	227.30	1.50	D00004481	0.102	30.1	-0.01	0.37	0.47
<<Min: 222.8 - 228.6 0.1% Min: Galena>>			230.50	232.00	1.50	D00004482	0.168	53.7	0.05	0.54	1.05
<<Min: 228.6 - 232.3 3% Min: Sphalerite>>			232.00	233.50	1.50	D00004483	0.082	27.6	0.01	0.29	1.07
<<Min: 228.6 - 232.3 2% Min: Pyrite>>											
<<Min: 228.6 - 232.3 2% Min: Pyrrhotite>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<<Min: 232.3 - 233.5 1% Min: Sphalerite>>											
<<Alt: 222.8 - 227 Weak Muscovite>>											
<<Alt: 222.8 - 227 Weak Calcite>>											
<<Alt: 227 - 230.4 Moderate Muscovite>>											
<<Alt: 227 - 236.8 Trace Calcite>>											
<<Alt: 230.4 - 233.5 Moderate-Strong Muscovite>>											
<<Alt: 230.4 - 233.5 Weak Biotite>>											
<<Vein: 228 - 231.5 2% Quartz-Carbonate>> ~1 2-5 cm wide QZ-carb vein per metre											
233.50	**236.80**	**OI Heavilly disseminated sulphides in host schist**	233.50	234.60	1.10	D00004484	0.484	172	0.05	0.93	1.54
233.5 - 236.8: Disseminated PY+SP+/-PO in strongly MU-altered rhyolite.											
<<Min: 233.5 - 236.8 5% Min: Pyrite>>			234.60	235.70	1.10	D00004485	1.98	242	-0.01	0.23	0.71
<<Min: 233.5 - 236.8 0.1% Min: Galena>>			235.70	236.80	1.10	D00004486	0.241	25	-0.01	0.07	0.1
<<Min: 233.6 - 236.8 5% Min: Sphalerite>>											
<<Min: 233.6 - 236.8 5% Min: Pyrrhotite>>											
<<Alt: 233.5 - 238 Strong Muscovite>>											
236.80	**238.00**	**OL semi to massive sulphide; 10 – 40% coarse buckshot PY in a SP +/- PO, MG, GL, CP matrix**	236.80	238.00	1.20	D00004487	1.38	360	0.22	2.65	6.68
236.8 - 238: Semi massive SP+PO+buckshot PY+/-disseminated CP. Displays dissolution breccia wallrock clasts in sulfide matrix.											
<<Min: 236.8 - 238 30% Min: Sphalerite>>											
<<Min: 236.8 - 238 5% Min: Pyrite>>											
<<Min: 236.8 - 238 10% Min: Pyrrhotite>>											
<<Min: 236.8 - 238 0.5% Min: Chalcopyrite>>											
<<Alt: 236.8 - 238 Moderate-Strong Calcite>>											
238.00	**243.20**	**RHY undifferentiated rhyolite**	238.00	239.50	1.50	D00004488	0.063	14	0.08	0.1	1.27
238 - 243.2: Strong CL-BI+/-GA alteration with disseminated to wispy PY+PO+SP+/-CP. Cl is pervasive, BI occurs as cleavages, and GA appears as local anhedral porphyroblasts.											
<<Min: 238 - 243.2 3% Min: Sphalerite>>			239.50	241.00	1.50	D00004489	0.058	9.9	0.06	0.17	0.7
<<Min: 238 - 243.2 2% Min: Pyrite>>			241.00	242.50	1.50	D00004491	0.03	10.5	0.1	0.28	2.63

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

<<Min: 238 - 243.2 3% Min: Pyrrhotite>>

<<Alt: 238 - 243.2 Weak-Moderate Garnet>>

<<Alt: 238 - 243.2 Moderate Chlorite>>

<<Alt: 238 - 243.2 Moderate Biotite>>

<<Alt: 238 - 243.75 Trace Calcite>>

<<Vein: 241.87 - 242.7 80% Quartz>> Massive QZ-vein with altered wall rock clasts and blebby sulfide

243.20 243.75 RHYc Rhyolite coherant volcanics

243.2 - 243.75: Massive siliceous rhyolite with MU+/-BI wavy cleavage (flow banding?)

<<Min: 243.2 - 243.75 1% Min: Pyrrhotite>>

<<Alt: 243.2 - 243.75 Strong Silicification>>

<<Alt: 243.2 - 243.75 Moderate Muscovite>>

243.75 244.90 PEL Equigranular biotite + calcite +/- quartz rock

243.75 - 244.9: CL-altered pelite with minor diss PY+PO

<<Min: 243.75 - 244.9 2% Min: Sphalerite>>

<<Min: 243.75 - 244.9 1% Min: Pyrrhotite>>

<<Min: 243.75 - 244.9 1% Min: Galena>>

<<Alt: 243.75 - 248.9 Moderate Calcite>>

<<Alt: 243.75 - 259.1 Moderate Chlorite>>

<<Alt: 243.75 - 259.1 Moderate Biotite>>

244.90 245.75 RHY undifferentiated rhyolite

244.9 - 245.75: Strong Mu+CL+/-BI altered rhyolite

<<Min: 244.9 - 248.9 0.5% Min: Pyrite>>

<<Min: 244.9 - 248.9 1% Min: Pyrrhotite>>

<<Min: 244.9 - 248.9 0.5% Min: Chalcopyrite>>

245.75 247.53 PEL Equigranular biotite + calcite +/- quartz rock

245.75 - 247.53: BI-CL-CA schist, with continuous foliation. CA appears as ptygmatic veins. CL appears to be an alteration mineral. Minor diss PY+PO.

247.53 248.90 RHY undifferentiated rhyolite

247.53 - 248.9: Strong MU-alteration. Much of the unit is composed as fault gouge and brecciated QZ-carbonate vein.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Vein: 248 - 248.95 80% Quartz-Carbonate 20 deg. >> QZ-carbonate vein in fault zone. Vein is brecciated.									
		<<Struc: 247.53 - 248.9 Moderate Fault>>									
248.90	**250.27**	**PEL** **Equigranular biotite + calcite +/- quartz rock**	248.90	250.19	1.29	D00004492	0.008	3.2	0.07	0.14	0.71
		248.9 - 250.27: Strong banded CL-alteration, with cgr BI bands and diss to wispy PY+PO+/-SP+/-CP									
		<<Min: 248.9 - 250.27 2% Min: Sphalerite>>	250.19	250.54	0.35	D00004493	0.011	6.5	0.25	0.15	3.39
		<<Min: 248.9 - 250.27 2% Min: Pyrite>>									
		<<Min: 248.9 - 250.27 5% Min: Pyrrhotite>>									
		<<Alt: 248.9 - 251.9 Weak Calcite>>									
250.27	**250.54**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock**									
		250.27 - 250.54: Semi-massive to disseminated SP-PY-GL-CP-PO in strong CL-TML-CA alteration									
		<<Min: 250.27 - 250.54 10% Min: Sphalerite>>									
		<<Min: 250.27 - 250.54 3% Min: Pyrite>>									
		<<Min: 250.27 - 250.54 3% Min: Pyrrhotite>>									
		<<Min: 250.27 - 250.54 1% Min: Galena>>									
		<<Min: 250.27 - 250.54 1% Min: Chalcopyrite>>									
		<<Alt: 250.27 - 250.54 Strong Tourmaline>> Patchy TML matrix to disseminated sulfide									
250.54	**251.90**	**RHY** **undifferentiated rhyolite**	250.54	251.90	1.36	D00004494	0.006	3.8	0.02	0.28	0.9
		250.54 - 251.9: Strong CL-BI alteration. ~10 cm patch of SP-PY-GL near upper contact.									
		<<Min: 250.54 - 253.08 5% Min: Sphalerite>>									
		<<Min: 250.54 - 253.08 2% Min: Pyrite>>									
		<<Min: 250.54 - 253.08 2% Min: Galena>>									
251.90	**253.08**	**PEL** **Equigranular biotite + calcite +/- quartz rock**	251.90	252.98	1.08	D00004495	-0.005	1	0.02	0.06	0.21
		251.9 - 253.08: Strongly CL-BI altered pelite. Zone of patchy to semi-massive SP-GL-PY from 253.08 to 253.22 m.									
		<<Alt: 251.9 - 254.22 Moderate Calcite>>	252.98	253.33	0.35	D00004496	0.011	20	0.07	0.31	5.91
		<<Vein: 252 - 254 1% Calcite>> Minor CA veinlets cross-cutting foliation									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
253.08	**253.22**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock**									
253.08 - 253.22: Semi-massive SP+GL+PY+/-CP											
<<Min: 253.08 - 253.22 10% Min: Sphalerite>>											
<<Min: 253.08 - 253.22 2% Min: Pyrite>>											
<<Min: 253.08 - 253.22 5% Min: Galena>>											
253.22	**254.22**	**PEL** **Equigranular biotite + calcite +/- quartz rock**	253.33	254.22	0.89	D00004497	-0.005	1.6	0.04	0.07	0.66
253.22 - 254.22: Strongly CL-BI altered pelite. Zone of patchy to semi-massive SP-GL-PY from 253.08 to 253.22 m.											
<<Min: 253.22 - 256.94 3% Min: Sphalerite>>											
<<Min: 253.22 - 256.94 2% Min: Pyrite>>											
<<Min: 253.22 - 256.94 2% Min: Galena>>											
<<Min: 253.22 - 256.94 0.5% Min: Chalcopyrite>>											
254.22	**256.94**	**RHY** **undifferentiated rhyolite**	254.22	255.44	1.22	D00004498	0.006	1.8	0.02	0.13	0.36
254.22 - 256.94: Strong CL-BI alteration of rhyolite? With disseminated to wispy PY+SP+GL+/-CP.											
<<Alt: 254.22 - 259.1 Weak Calcite>>			255.44	256.94	1.50	D00004499	0.015	7.4	0.07	0.67	1.71
<<Vein: 256.2 - 256.37 100% Quartz>> Massive QZ vein											
256.94	**257.32**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock**	256.94	257.32	0.38	D00004324	0.038	25.9	0.07	2.24	2.07
256.94 - 257.32: Wispy to patchy SP+GL+/-CP+/-PY in strong CL-BI+/-GA alteration zone											
<<Min: 256.94 - 257.32 5% Min: Sphalerite>>											
<<Min: 256.94 - 257.32 2% Min: Pyrite>>											
<<Min: 256.94 - 257.32 5% Min: Galena>>											
<<Min: 256.94 - 257.32 1% Min: Chalcopyrite>>											

From (m)	To (m)	Rocktype & Description
257.32	**262.00**	**PEL** **Equigranular biotite + calcite +/- quartz rock**

257.32 - 262: Pink, mint green, and dark brown banded, CL+CA-MU+KSP(?)-BI schist. Resembles skarn-like alteration. Local bands and wisps of SP+GL+PY+/-CP+/-PO.

<<Min: 257.32 - 259.1 3% Min: Sphalerite>>

<<Min: 257.32 - 259.1 1% Min: Chalcopyrite>>

<<Min: 257.32 - 265.84 1% Min: Pyrite>>

<<Min: 257.32 - 268.54 3% Min: Pyrrhotite>>

<<Min: 259.1 - 265.84 1% Min: Sphalerite>>

<<Alt: 259.1 - 265.9 Moderate Muscovite>> Skarn-like alteration

<<Alt: 259.1 - 265.9 Weak-Moderate Chlorite>> Skarn-like alteration

<<Alt: 259.1 - 281.02 Moderate Calcite>>

<<Vein: 259.1 - 261.8 1% Calcite>> Brittle CA vein cross-cutting foliation

262.00	**263.33**	**RHY**	**undifferentiated rhyolite**

262 - 263.33: Skarn-like alteration showing interbedded pelite (?) and RHYv (?) textures. Strong banded pink MU-KSP(?), mint green CL-CA, and dark brown BI alteration.

<<Vein: 262.13 - 263.33 3% Quartz>> 3 blebby siliceous veins with CL-BI blebs

<<Struc: 262.4 - 262.41 Moderate dominant foliation>>

263.33	**273.43**	**PEL**	**Equigranular biotite + calcite +/- quartz rock**

263.33 - 273.43: Moderate CL-CA alteration near upper contact. Moderate shear zone in middle of unit. Interbedded with RHY at bottom of the unit.

<<Min: 265.84 - 294.5 0.5% Min: Pyrite>>

<<Min: 265.84 - 294.5 0.5% Min: Pyrrhotite>>

<<Alt: 268.54 - 273.43 Weak Chlorite>>

<<Vein: 267.6 - 280 1% Calcite>> Minor brittle CA-veinlets cross-cutting foliation

<<Struc: 265.93 - 267.3 Moderate Shear>>

273.43	**274.08**	**RHYc**	**Rhyolite coherant volcanics**

273.43 - 274.08: Sharp lower contact with PEL. Grades from silicic banded rhyolite to RHYva at top, with a gradational upper contact (Fining upward).

From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
257.32	258.80	1.48	D00004325	0.011	3	0.07	0.22	0.47

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

274.08 275.65 PEL Equigranular biotite + calcite +/- quartz rock

274.08 - 275.65: Banded BI-CA schist with minor patchy CL-alteration.

275.65 276.71 RHYva Coarse grained to ash tuff

275.65 - 276.71: Grades from silicic banded rhyolite at bottom to fine grained ash tuff to pelite at the top (Fining upward).

276.71 277.45 PEL Equigranular biotite + calcite +/- quartz rock

276.71 - 277.45: Laminated BI-CA schist

277.45 278.98 RHYc Rhyolite coherant volcanics

277.45 - 278.98: Silicic banded to curdy rhyolite, with fine grained ash tuff at top of unit (Fining upward).

278.98 281.02 PEL Equigranular biotite + calcite +/- quartz rock

<<Vein: 280.1 - 285.7 10% Quartz>> 5 spaced massive QZ-vein (5-50 cm wide)

<<Struc: 280.4 - 280.6 Weak Fault>>

281.02 283.80 RHYc Rhyolite coherant volcanics

281.02 - 283.8: Silicic banded to massive siliceous rhyolite. Center of the unit almost resembles RHYi. Sharp upper and peperitic/altered lower contact, suggests right way up.

<<Alt: 281.02 - 283.8 Weak Calcite>>

283.80 284.38 PEL Equigranular biotite + calcite +/- quartz rock

283.8 - 284.38: Pink & Green (CL-BI) skarn-like alteration near upper peperitic contact with RHYc. Suggests that hot RHYc flowed on top of the pelite causing contact metamorphism ?? Right way up.

<<Alt: 283.8 - 284.17 Weak-Moderate Chlorite>> Skarn-like alteration from overlying RHYc?

<<Alt: 283.8 - 284.17 Moderate-Strong Biotite>> Skarn-like alteration from overlying RHYc?

<<Alt: 283.8 - 284.38 Moderate Calcite>>

284.38 285.10 RHY undifferentiated rhyolite

284.38 - 285.1: Moderate Mu-altered rhyolite

<<Alt: 284.38 - 286.33 Trace Calcite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

285.10 286.33 PEL Equigranular biotite + calcite +/- quartz rock

285.1 - 286.33: Weak to moderate CL-MU alteration

<<Struc: 285.1 - 295.13 Trace Fault>>

286.33 290.00 RHYvx Quartz and/or feldspar crystal tuff

286.33 - 290: QZ-eye in ash matrix with BI porphyroblasts (sediment input?)

<<Alt: 286.33 - 290 Weak-Moderate Calcite>>

290.00 290.73 PEL Equigranular biotite + calcite +/- quartz rock

290 - 290.73: Weak patchy MU-alteration

<<Alt: 290 - 290.73 Moderate Calcite>>

<<Struc: 290.6 - 290.61 Weak-Moderate dominant foliation>>

290.73 293.90 RHYva Coarse grained to ash tuff

290.73 - 293.9: Weak-moderate faulting, moderate MU-alteration. Ash tuff with BI porphyroblasts.

<<Alt: 290.73 - 293.9 Moderate Muscovite>>

<<Alt: 290.73 - 293.9 Trace Calcite>>

293.90 294.50 PEL Equigranular biotite + calcite +/- quartz rock

<<Alt: 293.9 - 294.5 Moderate Calcite>>

<<Alt: 293.9 - 294.5 Strong Biotite>> May have hydrothermal BI too

294.50 296.00 RHYv Rhyolite volcaniclastic

294.5 - 296: BI porphyroblastic, Mu-altered volcaniclastic rhyolite. Upper contact displays moderate CL-alteration.

<<Min: 294.5 - 296 1% Min: Pyrrhotite>>

<<Min: 294.5 - 296 0.5% Min: Chalcopyrite>>

<<Alt: 294.5 - 295.13 Moderate Chlorite>>

<<Alt: 294.5 - 298.95 Trace Calcite>>

<<Alt: 295.13 - 298.95 Weak-Moderate Muscovite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

296.00 298.95 RHYvx Quartz and/or feldspar crystal tuff

296 - 298.95: QZ-eye and siliceous lpl tuff with local CL-alteration

<<Min: 296 - 324.14 0.5% Min: Pyrrhotite>>

<<Alt: 297.65 - 298.95 Weak-Moderate Chlorite>>

<<Struc: 297.5 - 298.6 Weak Fault>>

298.95 299.60 PEL Equigranular biotite + calcite +/- quartz rock

<<Alt: 298.95 - 299.6 Moderate Calcite>>

299.60 300.87 RHYvx Quartz and/or feldspar crystal tuff

<<Alt: 299.6 - 303.47 Trace Calcite>>

300.87 303.47 RHYcw Curdy textured-flow banded (flows, subvolcanics)

300.87 - 303.47: Curdy rhyolite

303.47 303.79 PEL Equigranular biotite + calcite +/- quartz rock

<<Alt: 303.47 - 305.28 Moderate Calcite>>

303.79 304.10 RHYc Rhyolite coherant volcanics

303.79 - 304.1: silicic banded rhyolite

304.10 305.28 PEL Equigranular biotite + calcite +/- quartz rock

<<Struc: 304.4 - 304.5 Weak Fault>>

305.28 308.10 RHYva Coarse grained to ash tuff

305.28 - 308.1: Ash dominated tuff with disseminated to banded pelitic material

<<Alt: 305.28 - 310.83 Weak Calcite>>

308.10 309.23 RHYvl Lapilli tuff

309.23 309.76 PEL Equigranular biotite + calcite +/- quartz rock

<<Vein: 309.23 - 324.14 1% Calcite>> Minor brittle CA-veinlets crosscutting foliation. Appear to be more dense in PEL.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

309.76 310.83 RHYva Coarse grained to ash tuff

309.76 - 310.83: Ash dominated tuff with disseminated to banded pelitic material

310.83 311.76 PEL Equigranular biotite + calcite +/- quartz rock

<<Alt: 310.83 - 311.76 Moderate Calcite>>

311.76 315.88 RHYva Coarse grained to ash tuff

311.76 - 315.88: Ash dominated tuff with disseminated to banded pelitic material

<<Alt: 311.76 - 315.88 Weak-Moderate Calcite>>

<<Struc: 313 - 313.2 Weak Fault>>

<<Struc: 314.3 - 314.31 Weak-Moderate dominant foliation>>

315.88 316.46 PEL Equigranular biotite + calcite +/- quartz rock

<<Alt: 315.88 - 316.46 Moderate Calcite>>

316.46 318.40 RHYvl Lapilli tuff

316.46 - 318.4: 'Dirty' rhyolite with siliceous lpl

<<Alt: 316.46 - 318.4 Weak-Moderate Calcite>>

318.40 319.70 PEL Equigranular biotite + calcite +/- quartz rock

<<Alt: 318.4 - 319.7 Moderate Calcite>>

319.70 321.42 RHYvl Lapilli tuff

319.7 - 321.42: 'Dirty' rhyolite with abundant siliceous lpl

<<Alt: 319.7 - 321.42 Weak Calcite>>

321.42 322.50 PEL Equigranular biotite + calcite +/- quartz rock

<<Alt: 321.42 - 322.5 Weak Chlorite>>

<<Alt: 321.42 - 322.5 Moderate Calcite>>

322.50 323.23 RHYvl Lapilli tuff

322.5 - 323.23: Weak MU-alteration

<<Alt: 322.5 - 323.23 Weak Calcite>>

<<Alt: 322.5 - 324.14 Weak Muscovite>>

From (m)	To (m)		Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
323.23	**324.14**	**PEL**	**Equigranular biotite + calcite +/- quartz rock**									
<<Alt: 323.23 - 324.14 Moderate Calcite>>												
324.14	**326.40**	**RHYv**	**Rhyolite volcaniclastic**	324.90	326.40	1.50	D00004326	-0.005	3.4	0.05	0.01	0.04
324.14 - 326.4: Moderately altered and faulted. 'Dirty' mixed pelitic and volcaniclastic material.												
<<Min: 324.15 - 326.4 0.5% Min: Pyrite>>												
<<Min: 324.15 - 326.4 1% Min: Pyrrhotite>>												
<<Min: 324.15 - 326.4 0.1% Min: Arsenopyrite>>												
<<Alt: 324.14 - 326.4 Weak-Moderate Muscovite>>												
<<Alt: 324.14 - 326.4 Weak Calcite>>												
<<Struc: 324.85 - 325.15 Weak-Moderate Fault>>												
326.40	**326.75**	**OJ**	**Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock**	326.40	326.75	0.35	D00004327	0.027	80.5	0.22	1.68	3.62
326.4 - 326.75: Semi-massive sulfide matrix supporting strongly altered wall rock clasts. Displays dissolution breccia textures. Semi-massive sulfide include ~20% SP, ~7% PO, and ~2% GL with disseminated CP (~1%).												
<<Min: 326.4 - 326.75 20% Min: Sphalerite>>												
<<Min: 326.4 - 326.75 7% Min: Pyrrhotite>>												
<<Min: 326.4 - 326.75 2% Min: Galena>>												
<<Min: 326.4 - 326.75 1% Min: Chalcopyrite>>												
<<Alt: 326.4 - 326.75 Strong Muscovite>> Strongly Mu-altered wall rock clasts within sulfide matrix												
<<Alt: 326.4 - 326.75 Moderate Chlorite>>												
<<Alt: 326.4 - 326.75 Moderate Calcite>>												
<<Vein: 326.4 - 326.45 100% Quartz>> Thin QZ vein next to semi-massive sulfide												
326.75	**327.60**	**RHY**	**undifferentiated rhyolite**	326.75	327.60	0.85	D00004328	0.233	34.8	0.05	0.31	0.59
326.75 - 327.6: Moderately MU-altered rhyolite.												
<<Min: 326.75 - 327.6 3% Min: Pyrrhotite>>												
<<Alt: 326.75 - 327.6 Moderate Muscovite>>												
<<Alt: 326.75 - 327.6 Trace Calcite>>												

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

327.60 328.00 PEL Equigranular biotite + calcite +/- quartz rock

327.6 - 328: Patchy CL alteration. Bottom of unit is a fault zone.

<<Min: 327.6 - 328 1% Min: Pyrite>>

<<Alt: 327.6 - 328 Weak Chlorite>>

<<Alt: 327.6 - 328 Moderate Calcite>>

328.00 333.45 FLZ Fault Zone

328 - 333.45: Strongly faulted CL-BI gouge. Significant core loss through fault zone

<<Alt: 328 - 333.45 Strong Chlorite>> Strong CL-alteration in fault zone

<<Alt: 328 - 335.24 Weak-Moderate Calcite>>

<<Struc: 328 - 333.45 Moderate-Strong Fault>>

333.45 334.60 RHY undifferentiated rhyolite

From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
334.42	334.78	0.36	D00004329	0.353	107	0.04	0.73	1.48

333.45 - 334.6: Strong pervasive MU alteration with CL porphyroblasts and local BI bands. Minor disseminated sulfide.

<<Min: 333.45 - 334.6 1% Min: Sphalerite>>

<<Min: 333.45 - 334.6 2% Min: Pyrrhotite>>

<<Min: 333.45 - 334.6 0.5% Min: Chalcopyrite>>

<<Alt: 333.45 - 335.24 Strong Muscovite>>

<<Alt: 333.45 - 335.24 Weak-Moderate Chlorite>> CL porphyroblasts

<<Vein: 333.5 - 336 2% Quartz>> 3 Massive QZ veins (~3-10 cm wide). One is within the mineralization at ~334.7 and has some sulfide stringers.

334.60 334.78 OJ Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock

334.6 - 334.78: Small band of semi-massive replacement style mineralization.

<<Min: 334.6 - 334.78 10% Min: Sphalerite>>

<<Min: 334.6 - 334.78 30% Min: Pyrrhotite>>

<<Min: 334.6 - 334.78 1% Min: Chalcopyrite>>

334.78 335.24 RHY undifferentiated rhyolite

334.78 - 335.24: Strongly faulted and altered rhyolite. Significant core loss.

<<Struc: 334.8 - 335.2 Weak-Moderate Fault>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

335.24 335.70 SED undifferentiated Sediment

335.24 - 335.7: BI-QZ schist with ~5% disseminated PO

<<Min: 335.24 - 335.7 5% Min: Pyrrhotite>>

<<Alt: 335.24 - 343.7 Trace Calcite>>

335.70 336.60 RHY undifferentiated rhyolite

335.7 - 336.6: Strong pervasive MU-alteration with and BI-CL porphyroblasts

<<Min: 335.7 - 336.6 2% Min: Pyrrhotite>>

<<Alt: 335.7 - 336.6 Moderate-Strong Muscovite>>

<<Alt: 335.7 - 336.6 Moderate Biotite>> BI porphyroblasts

336.60 343.70 MDSc Carbonaceous dominant mudstone

336.6 - 343.7: Carbonaceous mudstone with weak to moderate alteration at top contact. Poor recovery and rubbly core.

<<Min: 336.6 - 343.7 1% Min: Pyrite>>

<<Min: 336.6 - 343.7 1% Min: Pyrrhotite>>

<<Alt: 336.6 - 337.65 Weak-Moderate Cordierite>> CI porphyroblasts

<<Struc: 336.6 - 336.8 Weak Fault>>

End of Hole @ 343.7