GeoSpark: Drill Hole Report

Project: FWZ

Hole: EZ18-003

Prospect:	End Zone	**Survey Type:**	DGPS	**Logged By:**	S.Bartlett	**Hole Type:**	DDH
UTM Grid:	NAD83_09	**Survey By:**	C.Allessandrini	**Date Started:**	2018-08-21	**Hole Diameter:**	
UTM East:	433229.476	**Date Surveyed:**	2018-09-08	**Date Completed:**	2018-08-27	**Core Size:**	HQ3
UTM North:	7004857.318	**Survey Accuracy:**		**Drill Company:**	New Age	**Casing Pulled?:**	☐
UTM Elevation (m):	1395.449	**Grid Convergence:**	-1.19	**Drill Rig:**		**Casing Depth (m):**	3.38
Local Grid:		**Azimuth:**		**Drill Started:**		**Reduced (m):**	
Local East:		**Dip:**	-81	**Drill Completed:**		**Reduceed Size:**	
Local North:		**Length (m):**	188.5	**Approved By:**		**Oriented?:**	☐
Local Elevation (m):		**Comments:**				**Geotech?:**	☐
Hole Status:	Completed						
Hole Purpose:							

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
0	COLL	C.Allessandrini	2018-08-21	-81	213				☑	
2	GYRO	pm	2018-08-27	-80.85	216.11				☑	
11	GYRO	pm	2018-08-27	-80.86	215.77				☑	
20	GYRO	pm	2018-08-27	-80.94	216.71				☑	
29	GYRO	pm	2018-08-27	-80.96	214.64				☑	
38	GYRO	pm	2018-08-27	-81.03	216.22				☑	
47	GYRO	pm	2018-08-27	-81.04	216.03				☑	
56	GYRO	pm	2018-08-27	-81.08	216.1				☑	
65	GYRO	pm	2018-08-27	-81.17	216.95				☑	
74	GYRO	pm	2018-08-27	-81.26	217.03				☑	

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Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
83	GYRO	pm	2018-08-27	-81.2	216.48				☑	
92	GYRO	pm	2018-08-27	-81.05	216.9				☑	
101	GYRO	pm	2018-08-27	-81	216.59				☑	
110	GYRO	pm	2018-08-27	-81.13	215.88				☑	
119	GYRO	pm	2018-08-27	-81.16	218				☑	
128	GYRO	pm	2018-08-27	-81.25	217.79				☑	
137	GYRO	pm	2018-08-27	-81.19	217				☑	
146	GYRO	pm	2018-08-27	-81.19	216.17				☑	
155	GYRO	pm	2018-08-27	-81	215.58				☑	
164	GYRO	pm	2018-08-27	-80.7	213				☑	
173	GYRO	pm	2018-08-27	-80.25	211.67				☑	
182	GYRO	pm	2018-08-27	-79.92	212.15				☑	

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From (m)	To (m)		Rock Type & Description
0.00	**3.38**	**OVER**	**Overburden**
3.38	**17.20**	**CMST**	**Calc mudstone**

Massive to thinly laminated calcareous dark grey mudstone. Silicified altered zone and vein hosted mineralization from 12.1 to 17.2 m. Vein hosted sphalerite begins at 14.1 m, approx 1%. Sphalerite is fine grained and dark red/maroon in colour. Brassy medium grained euhedral pyrite throughout. Silicified alt ends at 17.2 and back into massive dark grey-black mudstone. Medium grained euhdral-sub euhedral pyrite crystals.

<<Min: 14.1 - 17.2: >> Vein hosted dark red/maroon coloured sphalerite within silicified section. Ends after alteration

<<Alt: 12.1 - 17.2: Strong Quartz>> High content quartz veining creating silicified section related to sphalerite mineralization.

From (m)	To (m)		Rock Type & Description
17.20	**54.65**	**CMST**	**Calc mudstone**

Massive calcareous dark grey mudstone. The interval is heavily faulted/fractured with metre scale faults cutting the rock as fractures and 10 cm to 1 m sections of black gouge. Brassy yellow, 1 mm to 1 cm wide pyrite overprints the rock generally forming in euhedral cubes that concentrate in cm scale intervals to as much as 5% of rock content. The calcareous content of the rock can vary on a metre scale, generally increasing in more competent sections of the rock. 1-2% of the rock content is hairline to 5 mm wide, discontinuous quartz veinlets. In some 10 - 20 cm wide zones this veining content increases to 10% of rock content, with hairline veins forming a "crackle" texture. <5% of the rock content is cm-scale clasts of well-laminated mudstone that are truncated by fracture surfaces and mudstone (minor diamictite texture indicative of syn-depositional faulting?). The lower contact is coincident with a zone of faulting but is marked by the first appearance of fossil fragments. The faulted/fractured nature of the rock makes it difficult to measure bedding however it seems to be low, 10-30 degees TCA.

<<Struc: 30.35 - 30.35: bedding>>

<<Struc: 44.61 - 44.61: bedding>> Top line may be reversed and thus Beta angle out by 180 degrees.

From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
12.00	13.50	1.50	3207286	0.004	0.9	30.2	200	7500
13.50	14.10	0.60	3207287	0.004	1.2	31.6	300	1000
14.10	15.14	1.04	3207288	0.005	2.3	167.5	300	14800
15.14	16.10	0.96	3207289	0.001	0.25	9.6	100	900
16.10	17.14	1.04	3207290	0.001	0.9	90.3	100	1400
17.14	18.00	0.86	3207291	0.001	1.4	52.2	300	200

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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
54.65	**64.55**	**CMST Calc mudstone** From the upper contact to ~57.0 m, the unit is massive with texture obscured by both quartz veining and faulting. Where observable rock comprises sub mm-scale white, siliceous silt fragments within a dark grey calcareous mudstone matrix. From 54.65m to 55.59, <10% of fragments are fossils. These fossil fragments are difficult to identify but single holed crinoids can be seen. Beginning at ~57.0 m the unit is well laminated with mm-scale laminae defined by sub-mm scale white silt fragments separated along laminae by 1-3mm of mudstone. From 57.59 m to 59.71 m quartz + calcite (possible minor ankerite) veining comprises 15% of the interval forming a brecciated texture. The mudstone in this interval shows an increase in hardness (possible silicification). Beginning at 60.0 m and continuing to 62.94 m, brassy yellow 1 mm to 5 mm wide, cubic pyrite overprints the original texture of the rock and is 10 - 35% of some 10 cm to 40 cm wide intervals. These pyrite-rich intervals are coincident with a colour change in the mudstone to a brown/grey which forms indistinct, fuzzy boundaries with the dark grey rock (possible alteration patches?). The lower contact of this mudstone with the intrusive MacPass Volcanics is sharp but faulted, with black gouge forming between the units. <<Struc: 61.15 - 61.15: bedding>>								
64.55	**65.42**	**GABR Gabbro** Tan-green, aphanitic to very fine grained, intrusive. The upper and lower contacts of this unit are aphanitic to < .5mm and gradually transition to a 30 cm core of the interval which is very fine grained. This grain size change likely represents chilled margins at both the upper and lower contacts. As it is generally very fine grained throughout mineral phases are difficult to distinguish, however, the general mineralogy is 35-45% plagioclase, and 55-65% mafics. The interval is cored by a more felsic (~10% quartz) irregularly orientated patch that appears to cut the mafic material.								
65.42	**69.33**	**CMST Calc mudstone** Laminated to massive, calcareous, silty mudstone. 2% of the interval is white quartz. Where laminated, laminae are mm-scale and defined by sub-mm white silt. Trace, mm-scale, brassy yellow pyrite is disseminated throughout, occuring as euhedral cubes and circular masses. The lower contact with the gabbro dyke is sharp. <<Struc: 68.15 - 68.15: bedding>>								
69.33	**70.00**	**GABR Gabbro** Green/grey, aphanitic to fine grained, intrusive. Again chilled margins are observed proximial to the upper and lower contacts with a 20 cm core of fine grained crystals. General texture is 1 mm to 3 mm, anhedral, white plagioclase within an aphanitic to very fine grained green/grey groundmass of plagioclase and mafics. Brassy yellow pyrite overprints the interval accounting for ~5% of overall content.								
70.00	**70.65**	**CMST Calc mudstone** Massive, faulted, weakly calcareous mudstone with trace brassy yellow pyrite filling fractures.								
70.65	**71.05**	**GABR Gabbro** Green/grey, aphanitic to fine grained intrusive. The upper contact of this intrusive is faulted, which may be responsible for the lack of a chilled margin as the interval begins with fine grained plagioclase within an aphanitic green/grey groundmass. This dyke is texturally variable throughout with cm-scale variations in grain size. It is overprinted by 3% brassy yellow pyrite.								

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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
71.05	**72.29**	**MDST Mudstone**									
Heavily faulted zone of variably calcareous mudstone with sandy silt laminae throughout. Calcareous content of the rock decreases towards the lower "contact" at 72.29 m.											
<<Struc: 72.18 - 72.18: bedding>>											
72.29	**107.50**	**MDST Mudstone**	90.00	91.00	1.00	3207292	0.002	0.8	97.6	100	200
Heavily faulted zone of silty grey/black mudstone with <1 m scale sections of preserved core within well fractured/gouge material. Where the rock is competent it is thinly laminated to thinly bedded (1 mm to 2 cm) with laminae and beds formed by a variation in colour from black, silty mud to lighter grey silty mud. Both the silty beds/laminae and mudstone are hard/siliceous. 1-3% of the unit is euhedral brassy yellow pyrite. Where preserved, bedding is 10-20 degrees TCA. Beginning at 90.75 m the texture of the rock changes sharply. While still fractured by metre-scale intervals of black gouge and significant core loss (96 m - 100.75 m). Well-preserved sections are no longer well-laminated/well-bedded beyond 90.75 m. Instead the rock is defined by a cataclastic texture with cm-scale clasts of sandy silty entrained within a black, siliceous mudstone matrix. The clasts are often sub-angular and elongate, pinching out at their ends sub-parallel to a weakly developed throughgoing fabric in the rocks, which is present as hairline, recessive seams generally oriented at 20 degrees TCA. Where fractured along these seams the fracture surfaces are glossy and graphitic (INTERP: recrystallization along fault seams). The lower contact of the unit is defined by the first occurrence of mafic dyke material.										
<<Min: 79.42 - 79.48: >> A 1 cm, anhedral patch of pyrrhotite overprint surrounded by euhedral, cubic pyrite.	91.00	92.00	1.00	3207293	0.006	0.8	78.9	200	50
<<Min: 91.27 - 91.32: >> Disseminated dusting of very fine grained red sphalerite on a silty clast.	92.00	93.00	1.00	3207294	0.002	0.7	61.2	100	50
<<Min: 104.05 - 124.46: >> Trace randomly distributed sphalerite, galena, pyrrhotite mineralization hosted in qtz-ankerite veins. Veins are 1 mm to 4 mm wide and concentrated in mafic clasts. Mineralization is rarely disseminated with <1 cm wide clots of anhedral pyrrhotite, and very fine grained, red disseminated sphalerite.	93.00	94.50	1.50	3207295	0.001	0.6	56.4	200	50
<<Alt: 107 - 130.44: Strong Sericite / Weak Sericite>> A green/beige alteration occurs patchy in mafic intrusive clasts and siltstone clasts crossing the contact between the laminated siltstone and brecciated mudstone with mafic intrusive material. Alteration is patchy and crystalline forming fuzzy boundaries at the margins of clasts and selectively altering silt fragments within the mudstone. In some hairline veinlets the alteration increases in intensity as a 1-3 mm halo out from veins. The alteration is non-effervescent and relatively soft - suggesting that it may be sericite.	94.50	96.00	1.50	3207296	0.001	0.7	49.4	100	50
<<Struc: 73.9 - 73.9: bedding>>	96.00	99.75	3.75	3207352	0.009	3.6	105.6	800	3400
<<Struc: 76.98 - 76.98: bedding>>	99.75	101.00	1.25	3207297	0.004	2.3	74.6	1000	500
<<Struc: 79.1 - 79.1: bedding>>	101.00	102.00	1.00	3207298	0.003	1.2	41.3	500	1200
<<Struc: 79.58 - 79.58: bedding>>	102.00	104.05	2.05	3207353	0.007	1.8	55.7	800	400
<<Struc: 80.08 - 80.08: bedding>>	104.05	105.53	1.48	3207299	0.003	10.1	85.6	8100	1300
<<Struc: 88.45 - 88.45: bedding>>	105.53	106.50	0.97	3207300	0.003	1.7	82.7	1400	700
<<Struc: 90.52 - 90.52: bedding>>	106.50	107.50	1.00	3207301	0.003	2.7	106.8	2100	700
<<Struc: 105.38 - 105.38: bedding>>									

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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
		<<Struc: 105.68 - 105.68: foliation>> Foliation related to fualting/pressure solution seams.									
107.50	**130.42**	**MDST Mudstone** Another heavily fractured/faulted zone of mudstone with 1 cm to 10 cm wide clasts very fine grained, green/grey, cystalline mafic dyke material. Also present are very thinly laminated siltstone clasts. These clasts are again angular to sub-angular with their ends pinching out parallel to throughgoing mudstone seams. Both the dyke and siltstone material are overprinted by a pervasive beige/grey alteration that can make distinguishing the two clast types difficult however differing XRF results (Anomalous Ti, V, Ni, Fe) in some clasts confirm that mafic material is present. The interval is 60% black siliceous mudstone matrix and 40% clasts (35% mafic intrusive clasts and 5% silty mudstone). The mudstone matrix is foliated again with variably reccessive, throughgoing seams that undulate around clasts. Within these seams mudstone colour changes from a black-grey to a very dark black. Quartz-ankerite +/- sulphide veins are present throughout the interval generally being 3-5% of overall content. These veins are weakly mineralized with 1% red sphalerite, <1% galena, and <1% pyrrhotite. The veins concentrate near and within mafic clasts (cutting and rimming clasts) with suphides occasionally being disseminated within mafic clasts (still comprising <2% of the clasts). Brassy yellow, cubic pyrite selectively overprints clasts. Of particular note is a clast from 108.58 m to 108.69 m which is overprinted by 5% brassy yellow pyrite and 2% euhedral (diamond shaped) silver-grey, arsenopyrite. Alteration in the interval is selective, altering clasts but is rarely (seen once at 106.85 m to 107.0 m) fracture/veinlet controlled. This alteration is non-effervescent, and creates a shreddy, near crystalline texture causing altered clast margins to be fuzzy and indistinct (shreddy alteration crystals extend into mudstone matrix for 1 mm to 5 mm from clast margin) - suspect sericite. At 120.66 m clast content shifts to a 50% to 50% split of mafic dyke versus laminated siltstone with siltstone clasts being interbedded with a blue/grey highly siliceous material (chert?). Beginning at ~124.46 m and continuing to 128.47 m, mineralization in the interval changes to being more heavily veined by qtz-ankerite +/- galena and red sphalerite. In this interval the rock is still brecciated with a cataclastic texture but 10% to 40% of material is qtz-ankerite veining entraining cm scale clasts of black mudstone. Sphalerite in this sub-interval occurs in hairline pressure solution seams and galena occurs as mm scale clots within vein material. No preserved bedding is measurable in this interval, but measurements taken of the foliation fabric developed in mudstone seams are low angle with alpha's of 10 to 20 degrees TCA. No orientation marks were available to take a true measurement. At 128.36, a delta-clast showing dextral rotation is present with pressure shadows of mudstone and sphalerite. From 128.44 m to the lower contact at 130.41 m, ankerite content has decreased to ~10% and is localized in clasts.	107.50	109.00	1.50	3207302	0.001	1.3	116.8	800	50
		<<Min: 124.46 - 128.64: >> Tectonic brecciation continues in this interval, however, siliceous mudstone clasts are entrained within qtz-ankerite vein material. This vein contains <. 05% silver grey glaena and is lined by minor hairline red-brown sphalerite.	109.00	111.00	2.00	3207303	0.005	1	70.6	600	50
		<<Min: 128.64 - 130.38: >> Minor 1mm to 3cm wide qtz-ankerite veins lcoalized in clasts of siltstoen and mafic intrusive.	111.00	112.47	1.47	3207304	0.003	1.7	59.5	1100	800
		<<Struc: 112.02 - 112.02: foliation>> Foliation related to fualting/pressure solution seams.	112.47	114.00	1.53	3207305	0.004	1.9	50.2	1200	1400
		<<Struc: 114.67 - 114.67: foliation>> Foliation related to fualting/pressure solution seams.	114.00	115.50	1.50	3207306	0.006	1.5	88.4	900	4100
		<<Struc: 118.74 - 118.74: foliation>> Foliation related to fualting/pressure solution seams.	115.50	116.96	1.46	3207307	0.003	2.3	62.4	1400	600
			116.96	118.52	1.56	3207308	0.003	1.4	53.7	900	300
			118.52	120.00	1.48	3207309	0.002	0.9	50.2	600	200

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From (m)	To (m)	Rock Type & Description
130.42	180.18	STST Siltstone

Medium grey, well-laminated, siltstone with light grey, 1mm to 2cm wide sandy silt laminations/beds. The interval scratches a light grey, is non-calcareous, and is moderately soft, in sharp contrast to the overlying mudstone. Where well preserved, bedding in the interval is 14 to 27 degrees TCA averaging 20 degrees TCA. Bedding is generally subparallel to a throughoughoing fault-fabric. Texturally the unit is chaotic/disrupted with similar hairline to 1mm, reccessive, black mudstone seams that undulate around clasts developing a low lying foliation of ~15 degrees TCA. Where developed, "clasts" of the sandy siltstone are < 2cm wide, and pinch out at their ends parallel to the developed foliation. In one sequence from 133.45 m to 133.62 m, these clasts appear in sequence with one another suggesting boudinaging. At 133.60 m, is a 1cm wide, clot of qtz-pyrobitumen. Trace brassy yellow pyrite overprints the siltstone as 1mm to 3 mm wide, cubic crystals. From 160.16 m to 161.36 m, is a zone of 20% pyritized mdustone with anhedral, 1 mm wide patchy pyrite growths and laminations of brassy yellow pyrite. Following this pyrite section, the unit becomes more competent and less chaotic which may be due to a bedding change to 35 to 50 degrees TCA. Though still silty, the interval beyond a fault that ends at 144.39 m, is no longer bedded by silt but instead thinly laminated by <2 mm wide sandy silt laminations (being <10% of overall rock content) and otherwise massive with silt fragments throughout. Another faulted zone from 151.67 m to 155.32 m separates the generally massive silt/mud from a mineralized section from 155.32 m to 167.67 m. Mineralization within this section consists of varying metre-scale zones of qtz-ankerite veining with minor pyrite +/- galena +/- sphalerite +/- pyrrhotite mineralization. Qtz-ankerite veining is 1 mm to 1 cm wide and present as folded/deformed veins. In two intervals from 156.04 m to 156.6 m and from 163.90 to 164.60 m the unit is 100% qtz-ankerite with pyrrhotite and galena (See mineralization tab). This mineralization is coincident with silica alteration displayed in a colour change of siltstone/mudstone to tan/beige and a coincident increase in hardness. The rock is highly strained throughout this mineralized zone with chatter marks along the drill core surfaces and common throughgoing shear foliations that are at a low angle, generally 15-25 degrees TCA. Mineralization gradually decreases in the interval after the massive qtz-ankerite zone ends at 164.60 m. The last occurrence of galena is a 3 mm wide 2cm wide veinlet at 166.65 m. Tan/beige (silica) alteration extends to ~167.60 m gradual decreasing in intensity. Beyond this zone of alteration/mineralisation, the unit returns to siltstone with 1-3 mm wide silty laminations within a muddy siltstone rare (<5% of overall rock content) sandstone is present in 5 cm to 10 cm beds. The laminations track low angle bedding at 20-25 degrees TCA. Present from 179.07 m to 179.41 m is a massive, very fine grained, calcareous zone with sharp rounded edges (one of which is faulted with gouge development) which is likely a concretion. The lower contact of the unit is obscured by a 6 cm wide zone of vein brecciation.

From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
120.00	121.57	1.57	3207310	0.001	0.9	51.9	500	50
121.57	123.00	1.43	3207311	0.004	0.9	137.5	500	50
123.00	124.62	1.62	3207312	0.003	1.4	68.8	1100	50
124.62	126.00	1.38	3207313	0.001	1.7	116.1	1600	100
126.00	127.50	1.50	3207314	0.003	1.4	143.8	1000	50
127.52	128.64	1.12	3207316	0.004	0.9	89	600	1500
128.64	130.42	1.78	3207317	0.007	0.7	109.8	500	200

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From (m)	To (m)	Rock Type & Description
		<<Min: 154.59 - 157.08: >> Mineralized zone comprising ankerite-quartz veining. Veins are 5mm to 1cm wide, randomly oriented and deformed, vurving throughout the host silty mudstone excepting a zone from 156.0 to 156.6m which massive qtz-ankerite. Even in this massive sectiosn the interval is stressed with black graphitic, reccessive seams generally tracing composition contrasts. Pyrrhotite in the interval very fine grained and anhedral generally concentrating at or near these deformations seams or else disseminated within ankerite. Pyrite is disseminated throughout . At 156.6m qtz-ankerite mineralization decreassez to <10% of rock content. SIlicification associated with this mineraliziton continues until 157.0.
		<<Min: 159.27 - 167.5: >> Within the interval mineralization can be separated into three overlapping assemblages. The first is 1 mm - 3 mm discontinuous white quartz veining with red to orange-red-dark red internally zoned sphalerite. The second is quartz-ankerite veining with quartz+ankerite +/- pyrrhotite veins present as 1 mm to 1 cm wide qtz-ankerite veins that cut bedding and are variably folded throughout. Present in the selvedge of these veins is very fine grained bronze/brown pyrrhotite that often concentrates near shear foliations. Also present is galena-pyrite mineralisation that occurs in 2 mm to 10 cm wide, texturally destructive, discontinuous patches of mm-scale silver-grey galena and brown pyrite.
		<<Alt: 154.6 - 157.08: Moderate Quartz>> Pervasive tan/beige alteration of host siltstone/mudstone casing a notable increase in hardness.
		<<Alt: 159.17 - 167.5: Strong Quartz>> Pervasive tan/beige siliceous alteration that hardens siltstone clasts throughout this zone and is coincident with the beginning of mineralization. Also extends both above and below sulphide minerlization, gradually decreasing in intensity, and into the upper and lower contacts.
		<<Struc: 133.25 - 133.25: foliation>> Foliation related to fualting/pressure solution seams.
		<<Struc: 134.69 - 134.69: bedding>>
		<<Struc: 135.14 - 135.14: bedding>>
		<<Struc: 135.91 - 135.91: bedding>>
		<<Struc: 136.37 - 136.37: bedding>>
		<<Struc: 144.77 - 144.77: bedding>>
		<<Struc: 147.46 - 147.46: bedding>>
		<<Struc: 150.47 - 150.47: bedding>>
		<<Struc: 156.85 - 156.85: foliation>>
		<<Struc: 158.39 - 158.39: foliation>> Foliation related to fualting/pressuresolution seams.
		<<Struc: 162.54 - 162.54: bedding>>
		<<Struc: 165.27 - 165.27: foliation>> Foliation related to faulting/p[ressure solution seams.
		<<Struc: 166.06 - 166.06: foliation>> Foliation related to faulting/p[ressure solution seams.
		<<Struc: 167 - 167: bedding>>
		<<Struc: 168.77 - 168.77: foliation>> Foliation related to fualting/pressuresolution seams.

From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm

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From (m)	To (m)	Rock Type & Description
<<Struc: 168.95	168.95:	foliation>> Foliation related to fualting/pressuresolution seams.
<<Struc: 171.53	171.53:	foliation>> Foliation related to fualting/pressuresolution seams.
<<Struc: 172.04	172.04:	bedding>>
<<Struc: 173.74	173.74:	bedding>>
<<Struc: 175.62	175.62:	foliation>>
<<Struc: 176.35	176.35:	bedding>>

From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
130.42	132.53	2.11	3207318	0.007	1.9	109.9	1400	50
132.53	134.53	2.00	3207319	0.016	2.9	84.5	2000	50
134.53	136.21	1.68	3207320	0.007	1.1	88.4	400	50
136.21	138.32	2.11	3207321	0.007	1.8	75.2	600	50
138.32	140.07	1.75	3207322	0.008	1.4	65.3	300	50
140.07	141.96	1.89	3207323	0.025	1.7	65.6	200	50
141.96	144.00	2.04	3207324	0.011	0.9	72.7	100	50
144.00	146.00	2.00	3207325	0.008	0.7	66.7	50	50
146.00	147.76	1.76	3207326	0.01	0.9	80.1	100	50
147.76	149.44	1.68	3207327	0.012	1.3	76.3	200	50
149.44	151.00	1.56	3207328	0.006	2.3	61.8	400	50
151.00	153.00	2.00	3207329	0.009	2.5	74.2	400	50
153.00	154.56	1.56	3207330	0.006	3.6	136	1500	50
154.56	155.60	1.04	3207331	0.007	2.5	306.9	600	50
155.60	156.59	0.99	3207332	0.009	4.9	467.8	1900	100
156.59	157.57	0.98	3207333	0.007	1.4	217.2	400	50
157.57	158.32	0.75	3207334	0.005	0.8	75.5	300	50
158.32	159.00	0.68	3207335	0.008	3.1	115.2	1800	100
159.00	160.00	1.00	3207336	0.013	10.3	322.3	9900	50
160.00	160.86	0.86	3207337	0.014	56.1	476.1	50100	200
160.86	161.71	0.85	3207339	0.015	4.7	279.8	3100	1900
161.71	162.81	1.10	3207340	0.007	4.8	182.2	3400	1000
162.81	163.79	0.98	3207341	0.007	2.3	235.3	2100	5400

Hole: EZ18-003

From (m)	To (m)	Rock Type & Description
180.18	183.12	**DIAM Diamictite** Beneath a 6 cm wide zone vein of qtz-carbonate the unit sharply changes to a light grey, very soft (immediate hardness change between units), weakly calcareous diamictite. The diamictite is monomictic with 1 mm to 1 cm, sub-rounded, white, silty clasts. Through this interval the rock is heavily faulted with well-developed gouge. The lower contact of the unit is transitional, with a gradual decrease in clast content coincident with the beginning of 1 mm to 1 cm wide white, silty laminations/beds. <<Min: 183.1 - 188.5: >> Trace red brown sphalerite is disseminated in the white sandy silty beds throughout occuring in trace, very fine grained amounts.

From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
163.79	164.64	0.85	3207342	0.008	17.5	424.3	18200	1300
164.64	165.23	0.59	3207343	0.019	9.9	583.8	10600	2200
165.23	166.12	0.89	3207344	0.014	25.3	412.3	24700	300
166.12	166.94	0.82	3207345	0.012	3.6	349.6	1900	3000
166.94	168.00	1.06	3207346	0.008	1.6	195.7	600	100
168.00	169.55	1.55	3207347	0.006	1.4	73.7	200	100
169.55	171.00	1.45	3207348	0.011	1.3	73.8	200	200
171.00	172.13	1.13	3207349	0.009	1.1	73.1	200	50
172.13	173.00	0.87	3207350	0.014	1.5	56.4	300	4000
173.00	174.00	1.00	3207351	0.018	2.3	103.9	500	100
174.00	175.50	1.50	3207354	0.009	1.4	65.1	300	100
175.50	177.00	1.50	3207355	0.008	1.2	85.5	300	100
177.00	178.46	1.46	3207356	0.011	3.3	118.1	1200	50
178.46	180.17	1.71	3207357	0.007	0.9	43.7	200	50
180.17	181.40	1.23	3207358	0.004	0.6	18.8	300	200
181.40	182.67	1.27	3207359	0.003	0.25	15.6	100	50
182.67	183.12	0.45	3207360	0.004	0.25	31.3	100	200

Hole: EZ18-003

From (m)	To (m)	Rock Type & Description
183.12	188.50	MDST Mudstone

This unit is similar in composition to the previous dismictite as it is very soft with a soapy feel. Fracture surfaces throughout are waxy with possible talc development. However the unit is texturally distinct as it is well bedded/laminated with 1mm to 2cm wide, moderately hard, white sandy silt beds/laminations. The interval is 50% sandy silt beds and 50% dark grey mud with <.5mm wide white silt evenly distributed being 20-40% of the overall content of the mud. These sandy/silty white beds/laminations are generally convoluted and folded with fold axis observable in the core - one measured axial plane has an alpha of 5 degess and a beta of 360 degrees. The unit cleaves along an axial planar cleavage at 187.77m of 15 degrees TCA. Bedding through the interval is consestently 20 to 25 degrees TCA with beta angles varying from 22 to 53 degrees possibly the result of the clear internal deformation. Trace red, very fien grained sphalerite is present overprinting silty beds.

<<Struc: 184.05 - 184.05: fold (axial plane)>>

<<Struc: 184.29 - 184.29: bedding>>

<<Struc: 184.78 - 184.78: bedding>>

<<Struc: 185.65 - 185.65: bedding>>

From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
183.12	184.07	0.95	3207361	0.005	0.25	17.9	50	100
184.07	185.05	0.98	3207362	0.005	0.25	23.8	50	300
185.05	186.00	0.95	3207363	0.005	0.25	28.4	50	50
186.00	187.00	1.00	3207364	0.006	0.25	29	50	200
187.00	188.50	1.50	3207365	0.008	0.25	55.2	50	300

End of Hole @ 188.5