

LATITUDE 57N

Vinland Resources Limited
DIAMOND DRILL CORE LOG

Sheet No. 1 of 12

DEPARTURE 49+55E

ELEVATION

DIP AT COLLAR -50°

BEARING 140°

TOTAL DRIFT

REMARKS

Tests Depth	Dip	Magnetic Bearing	Correcting Bearing
95m	-47°	167°	145°
205m	-45°	170°	148°
273m	-42°	179°	154°
360m	-40°		
425m	-36°	186°	164°

Project No.	Buchans Junction	Hole No.	SP-04-01
Property	Licence 7502M		
NTS	12A/15	Grid Name	Seal Pond
Date Started	Jul 11/04	Date Completed	Jul 20/04
Contractor	Barker's Construction Limited		
Logged By	R. M. Graves		

DEPTH & LITHOLOGY	DESCRIPTION	REMARKS
0m- 26.2m	Overburden	
26.2 – 28.2m	<u>Felsic Volcanic</u> Maroon in colour, aphanitic to fine grained, non-magnetic, minor anastomosing quartz veinlets, massive, no fabric, contact with unit beneath sharp at 45° TCA	
28.2 – 32.9m	<u>Felsic</u> Pink to light green in colour, fine grained, non-magnetic, minor chlorite and silica veining, massive, no fabric; uncertain whether intrusive or extrusive; lower contact sharp at 45° TCA	
32.9 – 34.6m	<u>Felsic – Intermediate Volcanics</u> Intermixed horizon of felsic and intermediate volcanics; felsic rocks are light grey to pink in colour and intermediates are greyish green, non magnetic, massive, no fabric; trace pyrite at 33.9m	
34.6 – 36.0m	<u>Intermediate Volcanic (Sediment ?)</u> Greenish grey in colour, very fine grained, non-magnetic, trace pyrite at 35.7m; weak fabric locally at 70-80° TCA that may be sedimentary bedding; lower contact at 70° TCA	
36.0 – 36.4m	<u>Volcanoclastic Sediment</u> Grey in colour, unit about 10% feldspar fragments that define a fabric at 70° TCA: tuff or waterlain sediment ?; lower contact nearly orthogonal to core axis	
36.4 – 47.3m	<u>Intermediate Volcanic (Flow ?)</u> Grey, fine grained equigranular, weakly magnetic locally, massive, no fabric - intercalated felsic material at 37.3 – 38.0m & 38.3 – 38.6m - granitic material from 44.3 – 44.8m - epidote amygdulites from 44.8 – 45.0m	
47.3 – 57.2	<u>Volcanic Breccia</u> Intermixed blocks with bombs of felsic lapillistone with lapilli tuff and amygdaloidal basalt, amygdulites are	

	epidote, also large clots (3cm x 3cm) of epidote in basalt; unit comprises about half basalt and half felsic lapilli tuff except from 54.0 – 57.2m where dominated by felsic lapilli tuff, pyrite in basalt at 50.6m and 51.6m; felsic tuff is weakly magnetic, weak fabric at 70° TCA - lower contact sharp at 70° TCA	
57.2 – 61.1m	<u>Mafic Ash Tuff</u> Fine grained, dark green, weakly magnetic, generally massive however locally has a tectonic fabric imparting a coarse pyroclastic texture to the unit as at 60.0 – 60.5m and 60.9 – 61.1m; fabric at 90° TCA - disseminations and veinlets of pyrite at 57.7m, 57.9m, 58.3m 58.6m, 59.0m, 60.0m and 60.5m. - contact with unit below grades quickly over 1cm	
61.1 – 79.5m	<u>Intermediate Volcanic (Andesite ?)</u> Greenish grey, generally massive, fabric locally at 60° TCA, epidote veining and blotches frequent; epidote amygdulites at 64.2 – 64.5m, 65.7 – 66.0m, 70.8m, 72.8 – 73.0m, 73.6 – 73.7m, 74.6 – 74.7m, 77.3 – 77.9m - silica-epidote zone at 65.0m - mafic interval 68.7 – 69.3m; strong fabric defined by epidote bands at 70° TCA - pyrite veins and disseminations at 75.0 – 75.1m, 78.0m, 79.4m - unit may host intra-beds and flows of intermediate composition indivisible from larger host	
79.5 – 81.3m	<u>Mafic Volcanic</u> Dark green, weakly magnetic locally, minor calcite-hematite veining, fabric at 60° TCA	
81.3 – 83.5m	<u>Intermediate Volcanic (Flow ?)</u> Greenish grey, massive, non-magnetic, hosts 2-3% locally anhedral feldspar phenocrysts 1-2mm in diameter - core extensively broken	
83.5 – 88.9m	<u>Mafic Volcanic</u> Dark green, magnetic, epidotized, epidote amygdulites, massive, no fabric - lower contact lost in broken core	
88.9 – 89.7m	<u>Intermediate Volcanic (Flow ?)</u> Dark grey, massive, no fabric, non-magnetic, quite siliceous, hosts minute epidote xtals, very fine grained to aphanitic, lower contact at 45° TCA and sharp;	
89.7 – 90.8m	<u>Mafic volcanic (Flow)</u> Epidote green in colour, fine grained equigranular, epidote veins following fabric at 70° TCA - lower contact sharp at 70° TCA	
90.8 – 91.1m	<u>Intermediate Volcanic (Flow ?)</u> Same as at 88.9 – 89.7m; grades into unit beneath	
91.1 – 95.8m	<u>Intermediate – Mafic Volcanic</u>	

	Epidote green in colour, appears to host both epidote crystals and amygdules, non-magnetic; may be a crystal ash tuff, hosts mm-scale sedimentary layering locally. - lower contact grades quickly into unit below	
95.8 – 96.3m	<u>Intermediate Volcanic (Flow ?)</u> Same as at 88.9 – 89.7m; grades rapidly over a few centimeters into unit beneath	
96.3 – 97.9m	<u>Mafic Ash Tuff</u> Fine grained, epidote green in colour, mm-scale sedimentary layering 80 - 90° TCA, weakly magnetic locally - disseminated pyrite associated with chlorite veining at 97.0m	
97.9 – 100.0m	<u>Rhyolite</u> Grey, non-magnetic, very siliceous, hosts 5% anhedral feldspar phenocrysts, non-magnetic; lower contact lost in broken core	
100.0 – 107.8m	<u>Mafic Vitric Ash Tuff</u> Epidote green to brown in colour, sedimentary bedding varying from 60 - 90° TCA, vitric shards and epidote fragments common - quartz breccia from 104.5 – 104.7m - lower contact appears to be orthogonal to core axis however it is intruded by quartz vein	
107.8 – 118.9m	<u>Intermediate – Mafic Flow</u> Greenish – grey to epidote green in colour, fine grained equigranular, extensively epidotized matrix, epidotized feldspar phenocrysts, massive, no fabric - it is possible there are un-divided sub-units	
118.9 – 119.7m	<u>Rhyolite/Mafic Ash Tuff</u> Intercalated grey rhyolitic rock and mafic ash tuff - bedding in mafic ash tuff and contacts between mafic ash tuff and rhyolite vary from 80 – 90° TCA - pyrite veinlets in rhyolite at 119.1m - lower contact is mafic ash tuff with rhyolite beneath at 70° TCA	
119.7 – 120.7m	<u>Rhyolite</u> Greyish pink, massive, weak fabric at 70° TCA, very siliceous, extensively broken	
120.7 – 123.3m	<u>Mafic Flow</u> Epidote dark green in colour, fine grained equigranular, epidote alteration frequent, non-magnetic - lower contact sharp at 90° TCA	
123.3 – 123.9m	<u>Plagiophyric Mafic Volcanic</u> Dark green, 5% anhedral plagioclase xtals, massive, no fabric, non-magnetic, lower contact sharp at 60° TCA	

123.9 – 128.3m	<u>Mafic Ash Tuff</u> Grey – epidote green in colour, fine grained, epidote alteration of matrix and plagioclase phenocrysts - sedimentary layering 60-80° TCA; bedding at 1-2mm scale - lower contact sharp at 70° TCA	
128.3 – 129.5m	<u>Rhyolitic Unit</u> Grey, massive, very siliceous, lower contact at 70° TCA	
129.5 – 133.6m	<u>Mafic Ash Tuff</u> Same as at 123.9 – 128.3m Pyrite associated with chlorite veining at 130.1m, 133.3m and 133.5m	
133.6 – 140.4m	<u>Rhyolite/Mafic Volcanic</u> Intercalated rhyolitic and epidotized mafic ash tuff, rhyolite is grey, massive and hosts 2-3% fine disseminated pyrite; sharp contacts at 70 – 80 ° TCA 133.6 – 133.7: rhyolite 133.7 – 134.1: mafic volcanic 134.1 – 134.7: rhyolite 134.7 – 135.1: mafic volcanic 135.1 – 135.9: rhyolite 135.9 – 137.3: mafic volcanic 137.3 – 139.3: rhyolite 139.3 – 140.2: mafic volcanic 140.2 – 140.4: rhyolite - pyrite veins in mafic at 139.4 metres	
140.4 – 147.8m	<u>Mafic Volcanic</u> Similar to mafic volcanic above, extensively epidotized - heavy dissemination of pyrite at 141.5, 142.7 – 142.8 and 146.7 – 147.0m - lower contact sharp at 70° TCA	
147.8 – 151.6m	<u>Rhyolite</u> Grey, massive, no fabric, 2-5% anhedral feldspar phenocrysts, traces 1% pyrite, non-magnetic	
151.6 – 153.3m	<u>Mafic Volcanic</u> Dark green – grey, epidote alteration, pyrite disseminations at 151.9 and 153.1 - lower contact orthogonal to core axis	
153.3 – 153.8m	<u>Rhyolite</u> Same as at 147.8 – 151.6 - lower contact orthogonal to core axis	

153.8 – 170.5m	<u>Pillowed Basalt/Andesite</u> Grey to epidote green in colour, magnetic locally, extensive zones of epidotization interpreted as pillows, comprises 30 – 40% of rock, epidote amygdules and epidotized plag phenocrysts common, flow lines wrap around epidote nodules - coarse disseminations and veins of pyrite at 155.8m, 156.7m, 156.8m, 159.3m, 159.7m, 159.9m, 160.0m, 160.8m, 161.1m, 161.3m, 164.2m - pyrite consistently associated with black chlorite veining - chalcropyrte bleb 1cm x 1.5cm at 156.8 metres	
170.5 – 173.6m	<u>Mafic volcanic</u> Dark green, massive, non-magnetic, no fabric, non-calcareous, bottom 50cm epidotized	
173.6 – 180.3m	<u>Intermediate ? Crystal tuff</u> Dark green – dark grey, massive, non-magnetic, non-calcareous, hosts approximately 10-20% epidotized anhedral plagioclastic phenocrysts - zone of intense epidotization from 177.9 – 178.4m - called intermediate because unit is un-scratchable	
180.3 – 181.0m	<u>Mafic Volcanic</u> Dark green, fine grained, strong fabric at 60° TCA, disseminated pyrite in chlorite alteration from 180.3 – 180.4m	
181.0 – 181.6m	<u>Intermediate ? Crystal Tuff</u> Same as at 173.6 – 180.3m	
181.6 – 183.2m	<u>Mafic volcanic</u> Dark green, massive, non-magnetic, minor plag phenocrysts, has a granular texture – possible mafic ash tuff , disseminated pyrite at 183.2m	
183.2 – 184.5m	<u>Epidotized Zone</u> Zone of complete epidotization of host rock, white quartz at 183.5m - disseminated pyrite at 183.6m, 184.0m and 184.1m	
184.5 – 190.4m	<u>Mafic Volcanic</u> Grey-greenish black, massive, disseminated pyrite associated with chloritic alteration at 185.6m, 186.3m, 186.4m, 187.9m and 188.1m	
190.4 – 196.2m	<u>Deformed Epidotized Mafic Volcanic</u> Strongly banded and epidotized mafic volcanic (deformed pillows), chlorite alteration frequent with attendant pyritization of up to 5 – 10%, banding at 90° TCA; this unit may in part explain the weak chargeability	
196.2 – 200.2m	<u>Intermediate Crystal Tuff</u> Dark grey, massive, weakly magnetic locally, hosts 10% anhedral plagioclase phenocrysts; grades into an	

	epidotized nodular rock over bottom 40cm	
200.2 – 203.6m	<u>Volcanoclastic Sediment</u> Strongly bedded volcanoclastic sediment, green, particle size varies from fine sand to 2mm; bedding at 70° TCA	
203.6 – 207.9m	<u>Plagiophyric Mafic Crystal Tuff</u> Dark green, hosts 10% epidotized plagioclase phenocrysts, numerous fine sediment intrabeds, beds at 70° TCA - pyrite band at 207.8m	
207.9 – 219.3m	<u>Epidotized Plagiophyric Mafic volcanic</u> Dark green to grey, weakly magnetic locally, variably plagiophyric – plagioclase xtals generally epidotized - zones of epidotization from 210.4 – 211.2 - pyritization associated with chlorite and epidote at 210.5m, 212.0m and 212.2m; lower contact sharp at 80° TCA	
219.3 – 221.2m	<u>Siliceous Aphanite</u> Very fine grained, massive, no visible bedding, dark grey, non-magnetic, very hard	
221.2 – 222.9m	<u>Plagiophyric Mafic Volcanic</u> Epidote green to dark green in colour, hosts up to 10% epidotized anhedral plagioclase xtals, non-magnetic	
222.9 – 224.5m	<u>Mafic Volcanic</u> Dark green, fine grained, non-magnetic, massive, no fabric - disseminated pyrite at 223.6 and 223.7m	
224.5 – 225.0m	<u>Intermediate Crystal Tuff</u> Grey in colour, massive, no fabric, hosts 10% anhedral feldspar phenocrysts, pyrite at 224.6m	
225.0 – 226.0m	<u>Siliceous Aphanite</u> Same as at 219.3 – 221.2m, disseminated pyrite at 225.8m	
226.0 – 227.3m	<u>Mafic Volcanic</u> Dark green, fine grained, massive, epidotized plagioclase xtals near base of unit - fault gouge at 227.4m	
227.3 – 227.7m	<u>Siliceous Aphanite</u> Same as at 219.3 – 221.2; disseminated pyrite at 227.4 and 227.6m	
227.7 – 229.7m	<u>Amygdaloidal Mafic Volcanic</u> Dark green to epidote green in colour, epidotized plag xtals - hematitic plag xtals at base - amygdules from 228.4 – 228.7m	

	- heavily disseminated pyrite band 1cm thick at 229.7m	
229.7 – 230.4m	<u>Siliceous Aphanite</u> Same as at 219.3 – 212.2; hosts trace pyrite	
230.4 – 238.2m	<u>Volcanoclastic Sediment</u> Dark green in colour, granular texture, predominately fine – course sand grain size, bedding in siltstone at 80° TCA -siliceous intrabed at 234.1 – 234.4m	
238.2 – 239.3m	<u>Plagiophyric Mafic Volcanic</u> Dark green, hosts 2-3% epidotized plag xtals, non-magnetic, no fabric, texture is generally sand sized particles, possible pyroclastic	
239.3 – 239.9m	<u>Mafic Volcanic (Flow ?)</u> Dark green, massive, fine grained, lower contact at 70° TCA	
239.9 – 243.1m	<u>Mafic Tuff</u> Greyish green in colour, granular texture, massive, no fabric, minor siltstone beds, pyrite at 240.0m	
243.1 – 251.4m	<u>Mafic Volcanic (Flow ?)</u> Dark green, massive, epidotized locally, non-magnetic, plagiophyric locally, silicified locally as at 245.7m disseminated pyrite from 248.6 - 248.8m, lower 30cm of unit extensively altered, vitric material at 251.0m	
251.4 – 254.6m	<u>Rhyolite</u> Pinkish grey in colour, massive, feldspar phyric very siliceous, lower contact at 60° TCA, chlorite in fractures	
254.6 – 259.5m	<u>Mafic Volcanic</u> Dark green, uncertain whether flow or tuff, what appears to be bedding occurs at 257.0 – 257.3; epidote amygdules at 258.0 suggest flow, plagiophyric locally	
259.5 – 264.6m	<u>Mafic Flow</u> Dark green, massive, no fabric, calcareous, calcite wisps and veins; pyrite at 262.8m	
264.6 – 268.9m	<u>Volcanoclastic Sediment (Mafic)</u> Dark green matrix, epidote green fragments, mostly plagioclase, - 10% ash size fragments, 1-2% lapilli size fragments - non-magnetic, sedimentary bedding at 70° TCA, lower contact at 70° TCA	
268.9 – 271.2m	<u>Intermediate Flow</u> Dark green, non-magnetic, massive, no fabric, epidotized amygdules from 269.3 – 269.6m	

271.2 – 275.0m	<u>Mafic Volcanoclastic Sediment</u> Mixed sequence of coarse and fine grained volcanoclastic sediment; bedding is 70° TCA 271.2 – 271.6: ash tuff 271.6 – 272.7: ash – lapilli tuff; predominately mafic fragments in a mafic matrix, minor intermediate fragments 272.7 – 273.0: fine ash tuff 273.0 – 275.0: coarse ash tuff	
275.0 – 279.1m	<u>Plagiophyric Intermediate Flow</u> Grey, non-magnetic, 2-4% weakly epidotized anhedral feldspar phenocrysts, massive, no fabric, quite hard	
279.1 – 280.3m	<u>Mafic Vitric Crystal Ash Lapilli Tuff</u> Dark green matrix, 3-5% white ash-lapilli sized anhedral fragments, 2-3% dark green sub-rounded vitric shards, massive, no fabric	
280.3 – 287.1m	<u>Deformed Mafic Volcanic</u> Dark green, fine grained, most of unit has strong fabric at 70° TCA, uncertain as to whether rock is ash tuff or flow - disseminated pyrite following banding at 285.5m	
287.1 – 289.5m	<u>Intermediate Volcanic</u> Brown-grey in colour, quite hard, weak superimposed fabric, hosts 2-3% anhedral feldspar phenocrysts in upper part of unit	
289.5 – 292.0m	<u>Rhyolitic Rock</u> Colour varies from grey – pink – white, very siliceous, strong fabric imposed on rock, 2cm of fault gouge at 291.4; fabric in rock may be a result of movement along this fault	
292.0 – 300.0m	<u>Deformed Mafic Volcanic</u> Dark green, fine grained, non-magnetic, calcareous, strong fabric at 70° TCA, fabric defined by 1mm thick calcite veins - crenulation cleavage cutting fabric at 10° TCA from 292.1 – 292.6m - flow or ash tuff ? - dissemination pyrite at 295.4 and 295.8 metres	
300.0 – 301.5m	<u>Intermediate Volcanic</u> Grey, fine grained, equigranular, featureless, massive, no fabric, non-magnetic - flow or ash tuff ?	
301.5 – 306.6m	<u>Deformed Mafic Volcanic</u> Same as at 292.0 – 300.0m however locally it appears the protolith may be a coarse ash tuff - crenulation cleavage at 10° TCA at 301.7m	
306.6 – 311.1m	<u>Rhyolite</u>	

	Grey with pink mottles, very siliceous, 203% anhedral feldspar phenocrysts - fabric locally at 70° TCA - lower contact sharp at 50° TCA -	
311.1 – 315.2m	<u>Mafic Volcanic</u> Dark green, fine grained equigranular, non-magnetic, strong fabric at 70° TCA; calcareous matrix - rock bleached from 311.6 – 311.9m - ash tuff or flow ? - grades rapidly over 2-3cm into unit beneath	
315.2 – 322.1m	<u>Rhyolite</u> Pink-buff in colour, massive, very siliceous; 3-5% anhedral feldspar and quartz phenocrysts - mafic xenolith at 321.1m - lower contact sharp at 60° TCA	
322.1 – 335.1m	<u>Mafic Volcanic</u> Dark green, fine grained, plagiophyric, calcareous, strong fabric at 70° TCA, fabric imparts a sedimentary bedded appearance to rock; generally non-magnetic - quartz-chlorite vein from 325.4 – 325.8 metres - 10cm thick andesitic intrabed at 333.1m - bottom 30cm of unit is sericitized; pyritized at 334.9m - lower contact sharp at 70° TCA	
335.1 – 335.9m	<u>Rhyolite</u> Same as at 315.2 – 322.1m except this unit has a strong fabric varying from 20° – 50° TCA	
335.9 – 349.3m	<u>Mafic Volcanic</u> Same as at 322.1 – 335.1m - strongly deformed, thinly banded; fabric on 1mm scale at 70° TCA, calcareous; the lower 2 metres of unit has banding at 1cm scale – may have passed into different mafic rock - 10cm thick mafic dyke at 346.8m	
349.3 – 353.0m	<u>Rhyolite</u> Grey in colour, altered pink along fractures, massive, very siliceous, non-magnetic; hosts 5% anhedral feldspar and quartz phenocrysts; contact between this rock and unit below is cross-cut by 50cm thick quartz vein	
353.0 – 361.4m	<u>Deformed Lapilli Tuff</u> Dark green, white banding in rock caused by calcite, strong fabric at 70° TCA; hosts 20-30% intermediate lapilli sized fragments; non-magnetic - hosts 10cm thick mafic dyke at 354.7m	
361.4 – 364.4m	<u>Mafic Volcanic</u>	

	Dark green, fine grained equigranular, massive, little fabric as compared to unit above - ash tuff or mafic flow ?	
364.4 – 365.8m	<u>Felsic Rock</u> Unusual looking rock, pink-orange in colour, hosts large quartz eyes up to 1cm in diameter, matrix aphanitic and siliceous, numerous chlorite veinlets cross cutting rock	
365.8 – 371.5m	<u>Altered Mafic Volcanic</u> Protolith is dark green but much of rock has been bleached to pink – buff colour as result of extensive quartz veining; major quartz vein from 365.9 – 366.9m in addition to many smaller veins - strong banding locally, the result of movement along fault at 371.1m – 5cm of fault gouge at this location	
371.5 – 373.0m	<u>Slightly Deformed Mafic Volcanic</u> Black-white-green striped rock; rock is completely banded as the result of deformation; fabric at 55° TCA	
373.0 – 382.6m	<u>Mafic Volcanic</u> Dark green-grey in colour, fine grained, variably deformed, original textures are mostly destroyed, plagiophytic locally, fabric at 70° TCA, minor quartz-calcite veining; tectono-clasts locally give the rock a coarse fragmental appearance	
382.6 – 384.0m	<u>Felsic Volcanic</u> Pink, massive, no fabric, featureless rock, minor chlorite veining	
384.0 – 388.7m	<u>Mafic Volcanic</u> Same as at 373.0 – 382.6m; variably deformed, original textures obliterated, bleached and altered from 386.0 – 386.2m	
388.7 – 393.1m	<u>Rhyolite</u> Greyish pink in colour, massive, no fabric, fine grained equigranular upper 30cm is sericitic, rare quartz eyes, chlorite veinlets common - extensive broken core from 391.9 – 392.9m - siliceous breccia vein at 393.0m	
393.1 – 400.1m	<u>Quartz-Feldspar-Phyric Crystal Lithic Tuff</u> Colour varies from pin to grey, hosts 10% rounded quartz and feldspar eyes varying from 2-10mm in diameter, containing a few percent felsic lithic clasts/crystals and 5% elongated dark grey vitric shards 2-5mm in length - unit is felsic and has a very coarse grained appearance - lower contact sharp at 60° TCA	
400.1 – 401.0m	<u>Mafic Dyke</u> Dark grey, fine grained equigranular, massive, no fabric, weakly magnetic, upper and lower contacts are bleached and chilled	

401.0 – 402.1m	<u>Intermediate Quartz-Feldspar Crystal Tuff</u> Unit comprises 3-5% anhedral quartz and feldspar xtals 1-2mm in diameter in a dark green matrix - upper 30cm bleached by dyke intrusion and has a strong fabric at 70° TCA - lower contact sharp at 70° TCA	
402.1 – 404.9m	<u>Quartz Phyric Felsic Volcanic</u> Pink in colour, prominent 5-10mm rounded quartz eyes hosted in a felsic matrix, quartz eyes comprise 5% of unit - unit locally sheared - hosts minute chlorite veinlets	
404.9 – 406.4m	<u>Deformed Volcanic</u> Pinkish grey in colour, strong shear fabric, original textures obliterated, hosts a few quartz veins - lower contact sharp at 60° TCA	
406.4 – 419.7m	<u>Deformed Mafic Volcanic</u> Dark green, weakly calcareous, non-magnetic, strong shear fabric at 70° TCA, original textures obliterated - 2 mafic dykes intrude unit at 407.3 – 407.7m and 407.9 – 408.4m, dykes are the same as that at 400.1 – 401.0m - minor intrabed of rhyolite at 420.1 – 420.3m - fair amount of broken core - lower contact at 45° TCA	
419.7 – 420.8m	<u>Felsic Volcanic</u> Orange-pink in colour, non-magnetic, extensively sheared, original texture gone, fine grained equigranular - 10cm of fault gouge at 419.9m - lower contact at 45° TCA	
420.8 – 424.6m	<u>Mafic Volcanic</u> Dark green, non-magnetic, non-calcareous, much of unit has strong shear fabric at 45° TCA - grades into unit below	
424.6 – 428.6m	<u>Rhyolite</u> Pink-orange in colour, shear fabric locally, fine grained equigranular, very siliceous, minor chlorite veinlets, 2-3% rounded quartz and feldspar phenocrysts	
428.6 – 454.0m	<u>Mafic Volcanic</u> Dark green, fine grained, massive to strongly foliated, shear fabric at 70° TCA non-calcareous, non-magnetic - portions of the unit appear to be pyroclastic as at 431.4 – 431.8m - granite dyke at 433.6 – 433.7m - crenulation cleavages common at 20° TCA - fault gouge at 446.0m	

	- lower contact sharp at 60° TCA	
454.0 – 456.0m	<u>Rhyolite</u> Grey, aphanitic, very siliceous, massive, no fabric, devoid of quartz and feldspar	
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