

| HoleID | Lith From m | Lith_To_m | Lith_Interval | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Inten | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 | | | |
|---------|-------------|-----------|---------------|----------|-------------|--|-------------|-----------|---------------|-----------|--|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|--|--|--|
| 11MP-05 | 0.00 | 10.50 | 10.50 | CAS | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11MP-05 | 10.50 | 31.79 | 21.29 | DIO | DIOob | Pervasively oxidized and bleached DIO. Strong network of veins altered to lim and clay weakly brecciating qtz pieces and qtz veins. Blebby qtz veins cut by lim fractures. Very few malice-mostly bio altering to chl then to ser. Dio is MG and massive, with foliation locally after 16m. Later qtz veins, 1-3mm at 50 TCA cross cut Lim veins. Ox | 3.05 | 5.05 | 2.00 | 24118 | Alternating zones of clay and increased qtz veining. Clay alt corresponds to increased pervasive oxidation. Diss hem and possible diss ox pyr about 0.5% each. | 4 | OB | FP | 3 | 2 | 4 | | | | 2 | 4 | | 0.5 | 0.5 | | | | | | | | | | | |
| 11MP-05 | | | | | | increases from 16.80 to 22.70m, slightly more pervasive and more orange yellow. Corresponds to weak increase in K-spar alteration along fracture surfaces and altered lim veins with 1-2mm haloes. Locally more pervasive where qtz flooding | 5.05 | 7.05 | 2.00 | 24119 | Increased qtz veining and brecciation. Fds very altered to yellow clay. Chl veins 20TCA x-cutting non systematic lim and qtz veins | 4 | O | FP | 3 | 3 | 4 | 0.5 | | | 3 | 3 | | 0.5 | 0.5 | | | VN | 20 | | | | | | | |
| 11MP-05 | | | | | | increases. localized pitted core, remnants of pyr - square. Core is generally fractured and blocky with localized zones of increased clay alteration/minor faulting. Dis oxidized pyr across unit, locally 1%. hard to see in oxidized zone. Fds in Dio altered to clay. Micaceous ser developing along foliation as a bio/chl replacement. | 7.05 | 9.05 | 2.00 | 24120 | As from 3.05-7.05, lim more orange than orange brown. Local blebby qtz at 8.68m and a patch of bio-ser at 8.3m. Weak lim fract at 20 TCA. | 4 | O | FP | 2 | 2 | 4 | 0.5 | | | 2 | 3 | | 0.2 | 0.5 | | | VN | 20 | | | | | | | |
| 11MP-05 | | | | | | | 9.05 | 11.05 | 2.00 | 24121 | As above. | 4 | O | FP | 2 | 2 | 4 | 0.2 | | | 2 | 3 | | 0.2 | 0.5 | | | | | | | | | | | |
| 11MP-05 | | | | | | | 11.05 | 13.00 | 1.95 | 24122 | Increased clay alteration 20TCA - almost fault gouge. Otherwise as above. Dis ox pyr. | 4 | O | FP | 2 | 2 | 4 | 0.5 | 0.5 | | 2 | 3 | | 0.2 | 0.5 | | | | | | | | | | | |
| 11MP-05 | | | | | | | 13.00 | 15.06 | 2.06 | 24123 | Increase in clay alteration. Less broken qtz veins. Core looks sandy and is pervasively clay altered and oxidized. Blebby qtz at 13.45m associated with minor chl along qtz margins. Ser evident in pervasively clay altered zone from 13.4-14.6m. Can't see pyr or hem. | 4 | O | FP | 1 | 1 | 4 | 0.5 | 2 | | 2 | 4 | | | | | | | | | | | | | | |

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|---------|-------------|-----------|----------------|----------|-------------|------------------|-------------|-----------|---------------|--------------|--|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|--|
| 11MP-05 | | | | | | | 15.06 | 16.09 | 1.03 | 24124 | Increased silica, increased qtz veining and weak foliation developing. FG silicified chl altered zone from 15.07-15.32m. Fds altered to green/yellow clay with strong brown lim at 20 TCA. FOL at 50 TCA. 2-10mm qtz veins cross cut foliation at 40 TCA, vuggy, contain fine diss pyr. Rimmed with lim and very weak k-spar. Chl present in increased silica zone from 15.32-15.52m. Clay alteration increases to as above from 15.52-16.09m. | 4 | OB | FP | 2 | 1 | 4 | 1 | 3 | 1 | 3 | 4 | | 0.5 | 0.5 | | | FOL | 50 | VN | 40 | | | |
| 11MP-05 | | | | | | | 16.09 | 17.90 | 1.81 | 24125 | Zone of alternating clay and silica bleached DIO with moderate K-spar overprint - PEG related? K-spar occurs with increased qtz an cut by lim veins at 30 TCA. FOL50 TCA. Secondary hydrothermal bio at 16.24m. | 4 | OY | FP | 2 | 1 | 4 | 0.5 | 2 | 3 | 3 | 3 | | 0.5 | 0.5 | | | | | | | | | |
| 11MP-05 | | | | | | | 17.90 | 19.90 | 2.00 | 24126 | Blocky broken core. Increased silica but as above with less k-spar. Qtz pieces CG in DIO. Increased chl with increased sil. Weak k-spar alt along veins and locally weakly pervasive. Ser along foliation at 50TCA. Diss hem and pyr. Yellow clay alt. of fds. | 4 | OB | FP | 3 | | 3 | 1 | 3 | 1 | 4 | 3 | | 1 | 0.5 | | | FOL | 50 | | | | | |
| | | | | | | | | | | 24127 STD 22 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11MP-05 | | | | | | | 19.90 | 20.80 | 0.90 | 24128 | As above. K-spar along veins at 40 TCA, FOL at 60 TCA. Intense oxidation at LCTC with square vugs - weathered pyr. | 3 | OB | FP | 2 | | 2 | 1 | 1 | 1 | 4 | 3 | | 0.5 | 0.2 | | | FOL | 60 | VN | 40 | | | |

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|---------|-------------|-----------|----------------|----------|-------------|------------------|-------------|-----------|---------------|-----------|---|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|--|
| 11MP-05 | | | | | | | 20.80 | 22.87 | 2.07 | 24129 | Blocky broken core with manganese oxide on fracture surfaces. Localk-spar alteration. Vuggy zones associated with increased qtz - weathered pyr? Increase in lim fractures, some parallel TCA other set at 40TCA. Weakly brecciated. Disitnce increase in diss hem and diss pyr. More massive than foliation with ser following very weak lineament at 80 TCA. | 3 | OB | FP | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | | 2 | 1 | | | FOL | 80 | VN | 40 | | | |
| 11MP-05 | | | | | | | 22.87 | 24.80 | 1.93 | 24130 | As from 9.05-11.05 with increased chl and ser. Fol50 TCA. Cut by 2-4mm lim veins at 30 TCA. Weak chl alt to ser parallel to FOL. Diss hem, can't see sul. | 2 | O | FP | 3 | 1 | 3 | 2 | 3 | | 3 | 3 | | 1 | 0.2 | | | | | | | | | |
| 11MP-05 | | | | | | | 24.80 | 26.80 | 2.00 | 24131 | As above with weaker ox, increased bleaching and yellow green ser/cla alteration of fds. Core parallel chl veins from 25.60-26.80m, 4mm becoming strongly clay altered down hole. Slicken lines on fract surface 30 degrees to oval - if fract surface is face down looking S slickens are NW/SE. Increased sil at LCTC. | 2 | O | FP | 3 | 1 | 4 | 2 | 2 | | 3 | 3 | | 0.2 | 0.2 | | | | | | | | | |
| 11MP-05 | | | | | | | 26.80 | 28.85 | 2.05 | 24132 | Much more competent core. Decrease in oxidation, patchy pervasive and on fract surfaces with 2-10mm ox halos. Regular lim fractures across zone at 20 TCA. Cut foliation at 60 TCA. Ser along foliation planes. Can see sulphides and diss hem. Blebby 1cm pyr veins associated with irregular qtz vein at 28.80m, 20 TCA, pyr in vein and parallel to vein. Fds alt to | 2 | O | FP | 1 | | 3 | 3 | 3 | | 4 | 2 | | 2 | 2 | | | FOL | 60 | VN | 20 | | | |

| HoleID | Lith From m | Lith_To_m | Lith_Interval | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Inten | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 |
|---------|-------------|-----------|---------------|----------|-------------|---|-------------|-----------|---------------|--------------|--|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|
| 11MP-05 | 28.85 | 31.79 | 2.94 | DIO | DIObio | | 28.85 | 30.18 | 1.33 | 24140 | See lith | 1 | O | FP | 1 | | 1 | 4 | 2 | | 4 | 1 | | 0.5 | 0.2 | | | | | | | | |
| 11MP-05 | | | | | | | 30.18 | 31.79 | 1.61 | 24133 | See lith | 2 | O | FP | 1 | | | 1 | 4 | 2 | | 4 | 1 | | 0.5 | 0.2 | | | | | | | |
| 11MP-05 | 31.79 | 39.00 | 7.21 | FAU | GOU | Intensely clay altered, crumbly and sandy fault zone in DIO. Minor zones of increased silica with ser and weak chl. Looks like an increased clay altered version of DIO at top of the hole. Increased silica at lower contact with network of lim veins. | 31.79 | 33.22 | 1.43 | 24134 | See lith | 3 | O | FP | 5 | | 5 | 1 | 3 | | 1 | 5 | | | | | | | | | | | |
| 11MP-05 | | | | | | | 33.22 | 35.00 | 1.78 | 24135 | See lith | 3 | O | P | 5 | | 5 | 1 | 3 | | 1 | 5 | | | | | | | | | | | |
| 11MP-05 | | | | | | | 35.00 | 36.27 | 1.27 | 24136 | See lith | 3 | O | P | 5 | | 5 | 1 | 3 | | 1 | 5 | | | | | | | | | | | |
| | | | | | | | | | | 24137 BLK | | | | | | | | | | | | | | | | | | | | | | | |
| 11MP-05 | | | | | | | 36.27 | 37.73 | 1.46 | 24138 | See lith | 3 | O | P | 5 | | 5 | 1 | 3 | | 1 | 5 | | | | | | | | | | | |
| 11MP-05 | | | | | | | 37.73 | 39.00 | 1.27 | 24139 | See lith | 3 | O | P | 5 | | 5 | 1 | 3 | | 1 | 5 | | | | | | | | | | | |
| 11MP-05 | 39.00 | 44.45 | 5.45 | FAU | GOU | Fault as above with patchy pervasive oxidation. Zones of completely clay and chl altered DIO while other zones are oxidized as above. Silica content also varies, zones of competent core with clay altered fds and bio altered to chl/ser. Diss pyr visible in competent core. | 39.00 | 40.35 | 1.35 | 24141 | Pervasive chl alteration at upper contact with qtz and al veins, 0.5-1cm at 80 TCA. Broken clay altered sandy core. Patchy pervasive ox from 40-40.35m. FOL at 40TCA | 1 | O | PA | 5 | | 2 | 3 | 2 | | 1 | 5 | | 0.2 | 1 | | | FOL | 40 | | | | |
| 11MP-05 | | | | | | | 40.35 | 42.53 | 2.18 | 24142 | Chl altered broken clay altered core. Diss pyr in competent zones. | 1 | O | PA | 4 | | 2 | 3 | 2 | | 1 | 4 | | 0.2 | 1 | | | FOL | 40 | | | | |

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|---------|-------------|-----------|---------------|----------|-------------|---|-------------|-----------|---------------|-----------------------|--|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|
| 11MP-05 | | | | | | | 42.53 | 44.45 | 1.92 | 24143 | Patchy ox of DIO. Sandy broken core. | 3 | O | PA | 5 | | 2 | 3 | 2 | | 1 | 5 | | 0.2 | 1 | | | | | | | | |
| 11MP-05 | 44.45 | 45.95 | 1.50 | DIO | DIOchl | Chl altered DIO, increased silica down hole away from fault zone. Weak k-spar alteration, fds altered to clay. Chl defining Fol at 40 TCA. 2% diss pyr. | 44.45 | 45.95 | 1.50 | 24144 | | 1 | O | FP | 1 | | 3 | 4 | 3 | 2 | 4 | 2 | | | 2 | | | | | | | | |
| | | | | | | | | | | 24145 DUP of 24144 | | | | | | | | | | | | | | | | | | | | | | | |
| 11MP-05 | 45.95 | 49.53 | 3.58 | DIO | DIOchlb | Chl altered and weakly brecciated DIO in transition zone between two faults. Oxidized and auto brecciated at UCTC with lim cla and cal in matrix of k-spar and yellow cla altered fds and broken qtz veins from 45.95-46.40. Grades into k-spar altered non brecciated DIO with weak to mod pervasive oxidation. Chl alteration increases at 46.95. Ox now on fract surfaces with kspar alt along veins. Grades back into ox and k-spar altered DIO at 48.66m-49.53m. | 45.95 | 47.80 | 1.85 | 24146 | Increased pyr in brecciated zone associated with chl lim in matrix. Qtz chl and sul veins at 30-40 TCA. Qtz cal at 40 TCA | 2 | O | FP | 1 | 2 | 1 | 3 | 3 | 2 | 4 | 2 | | | 3 | | | VN | 30 | VN | 40 | | |
| 11MP-05 | | | | | | | 47.80 | 49.53 | 1.73 | 24147 | Grades from chl rich Dio as above grading into oxidized DIO as at UCTC of 45.95-47.80m. Blebby hem in chl rich zones. Decrease in veins. | 2 | O | FP | 1 | | 1 | 3 | 4 | 1 | 4 | 2 | | 0.5 | 2 | | | | | | | | |
| 11MP-05 | 49.53 | 50.40 | 0.87 | BRX | | Auto brecciated pervasively k-spar altered DIO. Intensely silicified. Qtz plus fine dark sulphides in matrix. Ox on fracture surfaces and weak pervasive. Increased clay at LCTC before a faulted zone. Vuggy qtz veins with sul at 50.20m. | 49.53 | 50.40 | 0.87 | 24148 | | 1 | O | FP | 2 | 4 | | | | 3 | 5 | 1 | | | 2 | | 5 | | | | | | |
| 11MP-05 | 50.40 | 56.00 | 5.60 | DIO | DIOxFLT | Blocky broken faulted core grading into sandy clay altered fault zone from 53.20-56.0m. Patchy pervasive oxidation and ox on fractures surfaces. Alternating silicified and completely clay altered zones. Patchy pervasive k-spar. Chl-ser. Fol at 20 TCA. | 50.40 | 51.80 | 1.40 | 24149 | Very blocky with bleached DIO. FDS alt to cla and lim. | 3 | O | FP | 3 | | 3 | 2 | 2 | 2 | 3 | 3 | | 0.5 | 1 | | | FOL | 20 | | | | |
| 11MP-05 | | | | | | | 51.80 | 53.20 | 1.40 | 24150 | Very blocky with bleached DIO. FDS alt to cla and lim. | 3 | O | FP | 3 | | 3 | 2 | 2 | 2 | 3 | 3 | | 0.5 | 1 | | | FOL | 20 | | | | |
| 11MP-05 | | | | | | | 53.20 | 54.68 | 1.48 | 24151 | Increased clay alt, sandy faulted core. | 3 | O | FP | 4 | | 3 | 3 | 2 | 1 | 2 | 4 | | 0.5 | 1 | | | FOL | 20 | | | | |
| 11MP-05 | | | | | | | 54.68 | 56.00 | 1.32 | 24152 | Sandy faulted core with pervasive ox. | 3 | O | FP | 4 | | 3 | 3 | 2 | | 3 | 4 | | 0.5 | 1 | | | FOL | 20 | | | | |
| | | | | | | | | | | 24153 | | | | | | | | | | | | | | | | | | | | | | | |

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|---------|-------------|-----------|----------------|----------|-------------|---|-------------|-----------|---------------|-----------|--|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|
| 11MP-05 | 56.00 | 62.23 | 6.23 | DIO | DIOchl | Chl altered DIO with oxidation on fracture surfaces. Fractures with 2-4mm ox halos. Local strongly clay altered with fds altered to orange clay and ser. Prominent ser along foliation. Planar 1-2mm qtz cal veins with bleached halo across zone at 40 TCA. Local per k-spar alt. 2% diss pyr and hem. | 56.00 | 58.00 | 2.00 | 24154 | Increased oxidation at UCTC with fault zone. Minor qtz flooding at 56.5-56.6m with k-spar, possible epi and pyr in qtz. Grades into chl rich DIO | 1 | O | F | 2 | | | 3 | 3 | 1 | 4 | 1 | | 2 | 2 | | | VN | 40 | | | | |
| 11MP-05 | | | | | | | 58.00 | 59.10 | 1.10 | 24155 | Chl rich dio with ox on fract and qtz cal veins. | 1 | O | F | 2 | | | 3 | 3 | | 4 | 1 | | 2 | 2 | | | VN | 40 | | | | |
| 11MP-05 | | | | | | | 59.10 | 61.10 | 2.00 | 24156 | Increased clay alt with pervasive oxidation from 59.2-59.45m.. | 2 | O | FP | 2 | | 1 | 3 | 3 | 1 | 4 | 3 | | 2 | 2 | | | VN | 40 | | | | |
| 11MP-05 | | | | | | | 61.10 | 62.23 | 1.13 | 24157 | Patchy ks par flooding PEG? At 62.05-62.15m. | 1 | O | F | 2 | | | 3 | 3 | 1 | 5 | 1 | | 2 | 2 | | | VN | 40 | | | | |
| 11MP-05 | 62.23 | 70.46 | 8.23 | DIO | DIOs | Silicified DIO with chl to ser. Change in foliation to 10 TCA. Broken rubbly zone associated with qtz flooding and chl vein parallel TCA. Diss hem and pyr . Patchy oxidation on fracture surfaces in increased rubbly zones with chl veins. K-spar veins 20 TCA, qtz cal veins 40 TCA, cross cuts foliation. | 62.23 | 63.22 | 0.99 | 24158 | | | | | 1 | | 2 | 4 | 3 | 1 | 4 | 1 | | 1 | 1 | | | FOL | 10 | VN | 40 | VN | 10 |
| 11MP-05 | | | | | | | 63.22 | 64.60 | 1.38 | 24159 | | | | | 1 | | 2 | 4 | 3 | 1 | 4 | 1 | | 1 | 1 | | | FOL | 10 | VN | 40 | VN | 10 |
| 11MP-05 | | | | | | | 64.60 | 66.40 | 1.80 | 24160 | | 1 | O | F | 3 | | 2 | 4 | 3 | 1 | 4 | 3 | | 1 | 1 | | | FOL | 10 | VN | 40 | VN | 10 |
| 11MP-05 | | | | | | | 66.40 | 67.56 | 1.16 | 24161 | | | | | 2 | | 2 | 4 | 3 | 1 | 5 | 2 | | 1 | 1 | | | FOL | 10 | VN | 40 | VN | 10 |
| | | | | | | | | | | 24162 | | | | | | | | | | | | | | | | | | | | | | | |
| 11MP-05 | | | | | | | 67.56 | 69.40 | 1.84 | 24163 | | 1 | O | F | 3 | | 2 | 4 | 3 | 1 | 5 | 2 | | 1 | 1 | | | FOL | 10 | VN | 40 | VN | 10 |
| 11MP-05 | | | | | | | 69.40 | 70.46 | 1.06 | 24164 | | 1 | O | F | 1 | | 2 | 4 | 3 | 1 | 4 | 1 | | 1 | 1 | | | FOL | 10 | VN | 40 | VN | 10 |
| 11MP-05 | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |

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|---------|-------------|-----------|---------------|----------|-------------|---|-------------|-----------|---------------|--------------|---|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|
| 11MP-05 | 70.46 | 80.14 | 9.68 | DIO | DIOqchl | Strongly silicified DIO with oxidation on some fracture surfaces. Zone looks mottled with variable mafic contents. Mafic concentrated along foliation along with ser. Regular qtz cal vein set across zone with bleached haloes. Mafics largely bio, altering to chl plus ser give rock light green colour. Local increase in clay along fracture surfaces with oxidation. From 72.44- 74.62m pervasive k-spar associated with qtz and fractures. Dis hem across zone and diss pyr. | 70.46 | 72.44 | 1.98 | 24211 | Patchy ox with associated with increased ser. Qtz plus cal veins +/- k-spar 30-40 TCA | 1 | O | F | 1 | | 1 | 2 | 3 | 1 | 5 | 1 | | 0.5 | 1 | | | FOL | 50 | VN | 30 | | |
| 11MP-05 | | | | | | | 72.44 | 73.62 | 1.18 | 24212 | Increased k-spar and cly, qtz and cal alt at UCTC, 30 TCA assoc with pyr and weak hem | 1 | O | F | 1 | | 2 | 2 | 3 | 1 | 5 | 2 | | 0.5 | 1 | | | FOL | 50 | VN | 30 | | |
| 11MP-05 | | | | | | | 73.62 | 74.86 | 1.24 | 24213 | qtz cal veins conjugate veins at 40 TCA | | | | 1 | | 1 | 3 | 3 | | 5 | 1 | | 0.5 | 1 | | | FOL | 50 | VN | 40 | | |
| 11MP-05 | | | | | | | 74.86 | 76.86 | 2.00 | 24214 | Increased bleaching and veins 1-3mm qtz cal veins plus weak ser and chl | | | | 1 | | 3 | 2 | 3 | 1 | 5 | 1 | | 0.5 | 1 | | | FOL | 20 | VN | 40 | | |
| | | | | | | | | | | 24215 STD 7B | | | | | | | | | | | | | | | | | | | | | | | |
| 11MP-05 | | | | | | | 76.86 | 78.68 | 1.82 | 24216 | More mafic zone, veins as above. Weak kspar haloes on fractures at 40 TCA. FOL not prominent. | 0.2 | O | F | 2 | | 1 | 3 | 3 | | 5 | 1 | | 0.5 | 1 | | | VN | 40 | | | | |
| 11MP-05 | | | | | | | 78.68 | 80.14 | 1.46 | 24217 | Increased K-spar veins. Low angle 0.5cm qtz veins with cal at 79.60m associated with pyr at 20 TCA. Cut by k-spar qtz veins at 40 TCA. Increased bleaching and ser. Weak fol. | | | | 2 | | 2 | 2 | 4 | 1 | 5 | 1 | | 0.5 | 2 | | | FOL | 40 | VN | 20 | VN | 40 |
| 11MP-05 | 80.14 | 82.91 | 2.77 | DIO | DIOqchl | Silicified DIO with chl and ser as above with distinct change in foliation to 5 TCA. Oxidation along fracture surfaces, increased ser bleaching and minor increase in k-spar alteration around fractures and veins. Blocky core with lim and clay plus ser on fracture surfaces. Core parallel 4mm qtz vein associated with oxidation from 80.70-81.39m across samples. Pyr along hairline fract. Minor diss hem. | 80.14 | 81.30 | 1.16 | 24218 | 3 qtz cal with k-spar veins | 1 | O | F | 1 | | 2 | 3 | 3 | 1 | 5 | 2 | | 0.5 | 1 | | | FOL | 5 | VN | 30 | | |
| 11MP-05 | | | | | | | 81.30 | 82.91 | 1.61 | 24219 | Increased veins from above. | 1 | O | F | 2 | | 2 | 3 | 3 | 1 | 5 | 2 | | 0.5 | 1 | | | FOL | 5 | VN | 40 | | |

| HoleID | Lith From m | Lith_To_m | Lith_Interval_m | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Inten | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 |
|---------|-------------|-----------|-----------------|----------|-------------|---|-------------|-----------|---------------|--------------------------|--|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|
| 11MP-05 | 82.91 | 85.86 | 2.95 | DIO | DIOqchl | Silicified DIO as above with no oxidation on fracture surfaces. Increased ser along FOL at 30 TCA. Planar 2-3mm qtz cal veins with k-spar. Two 1cm qtz veins rimmed with qtz k-spar cal veins at 40 TCA with epi and yellow clay altered fds? Weak increase in bleaching. | 82.91 | 84.65 | 1.74 | 24220 | qtz cal k-spar veins at 30 TCA. | | | | 1 | | 3 | 3 | 4 | 1 | 5 | 1 | | 0.2 | 0.5 | | | FOL | 30 | VN | 40 | | |
| | | | | | | | | | | 24221 DUP of 24220 | | | | | 1 | | 2 | 3 | 3 | 1 | 5 | 1 | | 0.2 | 0.5 | | | FOL | 30 | VN | 40 | | |
| 11MP-05 | | | | | | | 84.65 | 85.86 | 1.21 | 24222 | | | | | | | | | | | | | | | | | | | | | | | |
| 11MP-05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11MP-05 | 85.86 | 95.64 | 9.78 | DIO | DIOqchlxl | Silicified DIO with increased fracturing and oxidation on fracture surfaces. Low angle axis parallel foliation and fracturing with qtz and chl and hem veins. Veins also contain cal, yellow clay and weak cal. Low angle veins associated with diss pyr and k-spar alteration. Qtz is Smokey grey to white, 4-8mm roughly parallel to foliation. steeper qtz veins rimmed with k-spar cut low angle veins at 40 TCA. 88.55-89.60m increased bio altered to clay - looks very brown. Blebby qtz veins and low angle hem qtz cal vein with well developed fds - square, 1mm. 89.60-91.14 i fault zone with increased clay and k-fds. UCTC increased mafics- altered bio schist. 93-94.18 K-spar overprinted more pervasive than above.. Increased mafics from 94.18 to 95.64 with really cool hydrothermal qtz vein mixed with hem and cal | 85.86 | 88.55 | 2.69 | 24223 | Very rubbly broken core with fault gouge and core loss | 1 | O | F | 4 | | 1 | 4 | 3 | 1 | 5 | 3 | | 0.5 | 1 | | | | | | | | |
| 11MP-05 | | | | | | | 88.55 | 89.60 | 1.05 | 24224 | | 2 | O | F | 3 | | 1 | 2 | 4 | 2 | 4 | 2 | | 1 | 1 | | | | | | | | |
| 11MP-05 | | | | | | | 89.60 | 91.14 | 1.54 | 24225 | Fault gouge | 3 | O | FP | 3 | | | 3 | 4 | 1 | 3 | 3 | | 0.5 | 0.5 | | | | | | | | |
| 11MP-05 | | | | | | | 91.14 | 93.00 | 1.86 | 24226 | | 1 | O | F | 2 | | 2 | 3 | 3 | 2 | 5 | 1 | | 0.5 | 1 | | | | | | | | |
| | | | | | | | | | 0.00 | 24227 BLK | | | | | | | | | | | | | | | | | | | | | | | |
| 11MP-05 | | | | | | | 93.00 | 94.18 | 1.18 | 24228 | | 1 | O | F | 1 | | 2 | 3 | 3 | 1 | 5 | 1 | | 2 | 1 | | | | | | | | |
| 11MP-05 | | | | | | | 94.18 | 95.64 | 1.46 | 24229 | | 1 | O | F | 1 | | 1 | 4 | 2 | 1 | 5 | 1 | | 2 | 1 | | | | | | | | |

| HoleID | Lith From m | Lith_To_m | Lith_Interval | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Inten | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 | | |
|---------|-------------|-----------|---------------|----------|-------------|---|-------------|-----------|---------------|--------------|---|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|--|--|
| 11MP-05 | 95.64 | 97.36 | 1.72 | MBs | MBsq | Very mafic bio schist with oxidation on fracture surfaces, no foliation. Ser alteration. Minor very fine qtz carb veins at 60-80 TCA. Very weak diss pyr. | 95.64 | 97.36 | 1.72 | 24230 | | 1 | O | F | 1 | | | 5 | 1 | | 4 | | | | 0.3 | | | | | | | | | | |
| 11MP-05 | 97.36 | 99.80 | 2.44 | DIO | DIOqM | Mixed zone of qtz veining in DIO with very mafic qtz bio schist at lower contact. 97.36-97.32m blebby to planar qtz vein at 20TCA with secondary chl and hem on white qtz. Intrudes a strongly pervasively clay and oxidized zone of DIO, bleached. Increase in qtz to end of zone as qtz veining decreases and DIO increases. Do has patchy lim on fracture surfaces and planar 4mm qtz veins rimmed with cal at 50 TCA. 1mm chl veins at 40 TCA. Increased mafics at end of unit at 98.70m. 98.7-99.35 vein zone as above in more competent less clay altertered DIO. Blebby diss hem and strong bio to chl. Ser along weak fol. 99.35-99.90m Intensely mafic schist with clay alt at UCTC. Ser alteration of possible fds perhaps introduced by contact with DIO below. LCTC 20 TCA. Slicken lines horizontal across fracture oval. Fract at 60 TCA. | 97.36 | 98.70 | 1.34 | 24231 | | 2 | O | FP | 2 | | | 3 | 3 | 1 | 3 | 3 | | 1 | 2 | | | VN | 20 | VN | 40 | | | | |
| 11MP-05 | | | | | | | 98.70 | 99.35 | 0.65 | 24232 | | 1 | O | F | 2 | | | 3 | 2 | 1 | 4 | 1 | | 2 | 2 | | | VN | 20 | | | | | | |
| 11MP-05 | | | | | | | 99.35 | 99.80 | 0.45 | 24233 | qtz cal veins at 40 TCA | 1 | O | F | 2 | | | 5 | 3 | | 4 | 1 | | | 2 | | | VN | 40 | | | | | | |
| 11MP-05 | 99.80 | 104.90 | 5.10 | DIO | DIOchlserq | Silicified bleachedDIO with orange yellow oxidation on fracture surfaces. Qtz veins with k-spar and cal, 20-30 TCA 2-3mm and wider qtz veins 0.5-1cm with k-spar on rims, 30-40 TCA. Localized brecciation associated with qtz veins and k-spar alteration at 103.15m. Chl veins across zone. At 104.15m also weakly brecciated with yellow clay and cal qtz veins cutting chl veins. Pyr associated with blebby chl. Ser and chl on fracture surfaces. Some with slicken lines. Fract at 50, slickens at 40 to the oval if the fract is facing me and oriented down hole. Foliation might be core axis parallel, hard to tell. | 99.80 | 101.81 | 2.01 | 24234 | qtz cal vein 2-3mm 20TCA, k-spar rim. Qtzcal vein 5mm k-spar rim 30 TCA Lim veins 30 TCA, qtz cal 50 TCA. | 1 | OY | F | 2 | | 2 | 3 | 3 | 1 | 5 | 1 | | | 0.5 | | | VN | 20 | VN | 50 | VN | 30 | | |
| 11MP-05 | | | | | | | 101.81 | 103.57 | 1.76 | 24235 | Very regular qtz cal veins with k-spar rims 40 TCA plus epi in 1cm qtz vein. | 1 | OY | F | 2 | 1 | 2 | 2 | 3 | 1 | 5 | 1 | | | 0.5 | | | VN | 40 | | | | | | |
| | | | | | | | | | | 24236 STD 22 | | | | | | | | | | | | | | 0.5 | | | | | | | | | | | |

| HoleID | Lith From m | Lith_To_m | Lith_Interval | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Inten | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 |
|---------|-------------|-----------|---------------|----------|-------------|--|-------------|-----------|---------------|--------------|---|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|
| 11MP-05 | | | | | | | 103.57 | 104.90 | 1.33 | 24237 | qtz cal 50, chl cuts by qtz plus yellow clay and cal veins, blebby in bx zone. Chl clay and qtz with cal veins 1-3mm regular planar veins at 50TCA. Cut by 5TCA clay cal qtz at 5TCA after 104.4m | | | | 1 | 1 | 2 | 2 | 3 | 1 | 5 | 1 | | | | | | | | | | | |
| | 104.90 | 108.83 | 3.93 | DIO | DIOxq | Silicified DIO with oxidation on fractured surfaces. Secondary drusy qtz on 30 TCA fract surfaces. Increased fracturing from above. Increased oxidation and 1cm qtz vein parallel to core axis corresponds to change in foliation. Increased ser in oxide zone. Qtz vein from 106.25-106.95m with k-spar on rim and ser alteration along edges. Cuts qtz plus fine dark sul? at 30 TCA. Minor dis hem. Zone of increased mafic associated with 1.5cm white qtz vein at 30 TCA before zone of pegmatitic | 104.90 | 106.07 | 1.17 | 24238 | | 1 | OR | F | 3 | | 1 | 3 | 3 | | 4 | 1 | | 0.5 | 1 | | | FOL | 50 | VN | 50 | | |
| | | | | | | | 106.07 | 107.39 | 1.32 | 24239 | 10 TCA qtz vein with k-spar and ser. | 2 | OR | F | 2 | | 2 | 3 | 4 | 1 | 4 | 1 | | 0.5 | 1 | | | FOL | 10 | VN | 10 | | |
| | | | | | | | 107.39 | 108.39 | 1.00 | 24240 | FOL changes at 108.05m at 1.5cm qtz vein. Increase in bio and change in FOL. Increased pyr at contact with PEG k-spar. | 1 | OY | F | 1 | | 1 | 2 | 3 | | 5 | 1 | | 0.5 | 1 | | | FOL | 10 | FOL | 20 | | |
| | 108.83 | 110.13 | 1.30 | MQBs | | Oxide fades out at UCT with white non systematic qtz vein mixed with bio. Bio appears secondary, picked up from schist, very blebby. Qtz and fds are silicified - fds not really clay altered. UCTC of DIO to QBs at 30 TCA. Chl alteration in black schist. No hbl noted. Well developed bio grains. 2cm qtz veins in zone at 70 TCA. LOCT marked by 2cm qtz vein at 20 TCA. Grades back into DIO. | 108.39 | 110.13 | 1.74 | 24241 | | | | | 1 | | | 5 | | | 5 | | | | 1 | | | VN | 70 | VN | 20 | | |
| | 110.13 | 121.20 | 11.07 | DIO | DIOserchl | Intensely silicified DIO with chl and ser alteration. Ser well developed along possible secondary fabric parallel to core axis. Some of the chl/ser areas look like they could have a steeper FOL that has been obliterated. Qtz and fds grains very mottled and washed. Variably bleached across zone. Patchy oxidation on fracture surfaces, increases after 116m and corresponds to a low angle 20 TCA fractures. Mafics increase down hole with a mostly bio schist zone from 120.08 to 121.2m. Planar qtz cal veins across unit with yellow clay and or k-spar halos. | 110.13 | 111.85 | 1.72 | 24242 | | | | | 1 | | 1 | 1 | 2 | 1 | 5 | | | 0.2 | 1 | | | | | | | | |
| | | | | | | | | | 0.00 | 24243 BLK | | | | | | | | | | | | | | | | | | | | | | | |

| HoleID | Lith From m | Lith_To_m | Lith_Interval_m | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Inten | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 |
|--------|-------------|-----------|-----------------|----------|-------------|---|-------------|-----------|---------------|-------------------------|--|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|
| | | | | | | | 111.85 | 113.43 | 1.58 | 24244 | Lim veins cut by chl veins at 30 and 30 TCA | 1 | O | F | 1 | | 2 | 1 | 3 | 1 | 5 | | | 0.2 | 2 | | | VN | 30 | VN | 30 | | |
| | | | | | | | 113.43 | 114.80 | 1.37 | 24245 | lim veins 20 TCA | 0.5 | O | F | 2 | | 1 | 2 | 3 | | 5 | | | 0.2 | 1 | | | VN | 20 | | | | |
| | | | | | | | 114.80 | 116.45 | 1.65 | 24246 | qtz cla cal at 40 TCA, planar | | | | 2 | | 2 | 2 | 2 | | 5 | | | 0.2 | 1 | | | VN | 40 | | | | |
| | | | | | | | 116.45 | 118.10 | 1.65 | 24247 | 2cm qtz vein at 40 TCA rimmed with kspar. PL cla qtz cal veins at 40 TCA. Oxidized fracture at 20 TCA. | 1 | O | F | 1 | | 2 | 2 | 2 | 1 | 5 | 1 | | 0.5 | 1 | | | VN | 40 | FRC | 20 | | |
| | | | | | | | 118.10 | 120.08 | 1.98 | 24248 | veins as above, fewer. Fracture 20 TCA | 1 | O | F | 2 | | 1 | 2 | 2 | | 5 | 1 | | 0.5 | 1 | | | VN | 40 | FRC | 20 | | |
| | | | | | | | 120.08 | 121.20 | 1.12 | 24249 | veins at 40 TCA | 1 | O | F | 1 | | | 2 | 2 | | 5 | | | 0.5 | 1 | | | VN | 40 | | | | |
| | 121.20 | 124.41 | 3.21 | DIO | DIOqbl | Bleached DIO. Qtz flooded, creating leucocratic FG zones. Bio to ser defines foliation at 20 TCA. Increased regular fractures from above at 50TCA as well as lim veins at 20 TCA. 20 TCA veins cut by planar 50 TCA qtz cal veins. Blebby ser. Diss hem. Blebby pyr at 123.35m assoc with qtz, chl and hem. Qtz and fine dark sul veins at 50 TCA at UCTC of unit. Slickens on 50TCA fract surface. 50 degrees to oval when plane is facing down hole, NE-SW. | 121.20 | 123.10 | 1.90 | 24250 | | 1 | O | F | 2 | | 4 | 2 | 4 | | 5 | | | 0.5 | 0.5 | | | FRA | 50 | VN | 20 | | |
| | | | | | | | 123.10 | 124.41 | 1.31 | 24251 | | 1 | O | F | 2 | | 4 | 2 | 4 | | 5 | | | 0.5 | 0.5 | | | FRA | 50 | VN | 20 | | |
| | | | | | | | | | 0.00 | 24252 DUP of 2451 | | | | | | | | | | | | | | | | | | | | | | | |
| | 124.41 | 127.40 | 2.99 | DIO | DIOqx | Fractured and broken DIO with k-spar overprint, makes the core look very mottled. Increase in lim fractures after 125.72m as DIO approaches contact with QBs. Fracture from 124.41-125.72 parallel TCA with ser on surface. Frac cutting very high angle qtz cal veins <1mm at 70 TCA. Chl/lim fractures at 30 TCA with weak hem around qtz grains | 124.41 | 125.72 | 1.31 | 24253 | | 1 | O | F | 3 | | | 2 | 2 | | 4 | 1 | | 0.2 | 0.5 | | | FRA | 10 | VN | 70 | | |
| | | | | | | | 125.72 | 127.40 | 1.68 | 24254 | | 1 | OY | F | 3 | | | 2 | 2 | | 4 | 1 | | 0.5 | 0.5 | | | VN | 30 | | | | |

| HoleID | Lith From m | Lith_To_m | Lith_Interval_m | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Inten | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 | |
|--------|-------------|-----------|-----------------|----------|-------------|---|-------------|-----------|---------------|-----------|--------------------|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|--|
| | 127.40 | 133.48 | 6.08 | QBs | QBsx | Very mafic silicified bio schist with oxidation on fracture surfaces. Minor zones of DIO and qtz often with weak k-spar alteration. Network of planar qtz cal veins between 127.71 to 129.2m. Continue across zone but are more prominent at beginning of the zone. Bleached halos around the veins 1-3mm, 40-50 TCA. Patchy ser, diss pyr. | 127.40 | 129.20 | 1.80 | 24255 | | 1 | O | F | 1 | | | 3 | 2 | | 4 | | | | 0.5 | | | VN | 50 | | | | | |
| | | | | | | | 129.20 | 130.76 | 1.56 | 24256 | | 1 | O | F | 1 | | | 3 | 2 | | 4 | | | | 0.5 | | | VN | 50 | | | | | |
| | | | | | | | 130.76 | 131.70 | 0.94 | 24257 | | 1 | O | F | 1 | | | 3 | 2 | | 4 | | | | 0.5 | | | VN | 50 | | | | | |
| | | | | | | | 131.70 | 133.48 | 1.78 | 24258 | | 1 | O | F | 1 | | | 3 | 2 | | 4 | | | | 0.5 | | | VN | 50 | | | | | |
| | 133.48 | 136.24 | 2.76 | QBs | QBsx | Mafic QBs as above. Lim on fracture surfaces. Fracturing along core axis to 134.46 due to the intrusion of a blebby white qtz vein. MG chl altered and bio grains along vein. At 134.55 bleb of solid k-spar and qtz veining. K-spar offset by qtz cal vein at 50 TCA and associated with diss pyr 1%. Weak hem alt in vein zone and diss pyr. | 133.48 | 134.73 | 1.25 | 24259 | | 1 | O | F | 2 | | | 4 | 2 | | 5 | | | | 1 | | | | | | | | | |
| | | | | | | | 134.73 | 136.25 | 1.52 | 24260 | | 1 | O | F | 1 | | | 4 | 2 | | 5 | | | | 1 | | | | | | | | | |
| | | | | | | | | | | 24261 STD | | 1 | O | F | 1 | | | 4 | 2 | | 5 | | | | 1 | | | | | | | | | |
| | 136.24 | 139.58 | 3.34 | QBs | QBsx | Increased fracturing at 20 TCA with increased oxidation on fracture surfaces. Broken blocky core - brittle fault zone. Very regular foliation at 20 TCA with less than 1mm qtz cal veins at 40 TCA. Sporadic 2mm qtz cal veins with 1-2mm K-spar halos at 40 TCA, cut by fine qtz/cal veins. Hem staining on fracture surfaces and 2-3mm blebs of hem at 137.8m. Diss pyr 1%, dis hem 1%. Local ser alteration along foliation and cal on fracture surfaces. Fract at 40 TCA with slicken lines at 20 to the oval when I'm looking down hole at the face. | 136.25 | 136.95 | 0.70 | 24262 | | 1 | O | F | 2 | | 1 | 3 | 2 | | 5 | | | 1 | 1 | | | | | | | | | |
| | | | | | | | 136.95 | 137.94 | 0.99 | 24263 | | 1 | O | F | 2 | | 1 | 3 | 2 | | 5 | | | 1 | 1 | | | | | | | | | |
| | | | | | | | 137.94 | 139.58 | 1.64 | 24264 | | 1 | O | F | 3 | | 1 | 3 | 2 | | 5 | | | 1 | 1 | | | | | | | | | |

| HoleID | Lith From m | Lith_To_m | Lith_Interval_ | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Intent | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 |
|--------|-------------|-----------|----------------|----------|-------------|---|-------------|-----------|---------------|--------------|--------------------|--------------|-----------|-------------|-----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|
| | 139.58 | 144.60 | 5.02 | DIO | DIOqxM | Mixed zone of QBs and DIO, about one third schist. DIO has patchy foliation and increased bio mafics weakly to moderately altered to chl. Schist with bio altering to chl. Qtz/cal veins at 30 TCA. Cut by cal vein at 50 TCA in bio schist at 140.5m has cpy. Diss pyr and hem across zone. Gouge from 143.6-144m. Slicken lines on UCTC of Gouge zone on 30 TCA fract. | 139.58 | 141.15 | 1.57 | 24265 | | 1 | O | F | 1 | | | 4 | 2 | | 5 | 1 | | 0.5 | 0.5 | | | | | | | | |
| | | | | | | | | | | 24266 DUP | | 1 | O | F | 1 | | | 4 | 1 | | 5 | 1 | | 0.5 | 0.5 | | | | | | | | |
| | | | | | | | 141.15 | 142.45 | 1.30 | 24267 | | 1 | O | F | 1 | | | 4 | 1 | | 5 | 1 | | 0.5 | 0.5 | | | | | | | | |
| | | | | | | | 142.45 | 143.63 | 1.18 | 24268 | | 1 | O | F | 1 | | | 4 | 2 | | 5 | 1 | | 0.5 | 0.5 | | | | | | | | |
| | | | | | | | 143.63 | 144.60 | 0.97 | 24269 | | 2 | O | F | 3 | | | 4 | 2 | | 5 | 1 | | 0.5 | 0.5 | | | | | | | | |
| | 144.60 | 146.75 | 2.15 | QBs | | Strongly silicified bio SCH with cal veins at 50 TCA cutting lim cal veins at 30 TCA. Weak ox on fracture surfaces. Zone of DIO from145.95-145.2m with foliation at 30 TCA. Sharp UCTC and LCTC with SCH at 30 TCA. Weak diss pyr, 0.5%. Slicken lines on 20TCA fract at 80 to the oval when it's facing me. | 144.60 | 146.75 | 2.15 | 24270 | | 1 | O | F | | | | 4 | 1 | | 5 | 1 | | | 0.5 | | | | | | | | |
| | 146.75 | 151.19 | 4.44 | DIO | DIOq | Mixed zone of DIO with minor zones of QBs. Patchy pervasive yellow clay alteration of fds associated with increased ser. Qtz cal veins at 30 TCA with k-spar and k-spar halos. Ox on fracture surfaces. Pervasively oxidized from 147.59-147.68m with increased clay alteration at UCTC of brecciated schist with pervasive oxidation and axis parallel qtz veins, 1cm. Green clay atl of fds? Bx from 147.68-148.03m. UCTC 20 TCA LCTC 30 TCA. Diss pyr and weak blebby hem. Blebby pyr and cpy along foliation/kspar vein at 150.85 at 20 TCA. Planar qtz cal veins from above disappear after 148.72m. | 146.75 | 147.55 | 0.80 | 24271 | | 1 | OY | F | | | 2 | 4 | 3 | 1 | 5 | 3 | | 1 | 1 | | | | | | | | |
| | | | | | | | 147.55 | 149.05 | | 24272 | | 3 | OY | FP | | | 3 | 4 | 3 | 1 | 5 | 2 | | 1 | 1 | 0.2 | | | | | | | |
| | | | | | | | 149.05 | 151.19 | | 24273 | | 3 | OY | FP | | | 3 | 4 | 3 | 1 | 5 | 2 | | 1 | 1 | | | | | | | | |
| | | | | | | | | | | 24274 BLK | | | | | | | | | | | | | | | | | | | | | | | |

| HoleID | Lith From m | Lith_To_m | Lith_Interval | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Inten | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 | | |
|--------|-------------|-----------|---------------|----------|-------------|--|-------------|-----------|---------------|-----------|--------------------|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|--|--|
| | 151.19 | 153.25 | 2.06 | DIO | DIOq | Intensely silicified DIO with black FG dio sch with axis parallel 1cm white qtz vein. Hem overprint with green clay alt of fds? Cut by 60 bio? Vein. Possible epi along qtz vein. Blebby cpy and diss pyr in mafic zone. Grades into intensely silicified DIO with MG-CG colts of bio and ser and hem. K-spar veins at 40 TCA. DIO is bleached after mafic zone and looks very altered by silicification from 153.78 to 152.9m. Foliation pick up again as fault zone is approached, FOL 30 TCA. Trace diss pyr in DIO. | 151.19 | 153.25 | 2.06 | 24275 | | | | | | | 1 | | | | 1 | 5 | 1 | | 1 | 0.2 | | | | | | | | | |
| | 153.25 | 155.14 | 1.89 | DIO | DIOy | Pervasively yellow clay alteration of fds in DIO with pervasive K-spar alteration and k-spar along qtz veins at 40 TCA. Gouge from 153.40-153.75m. CG bio clots. Weak influence of bio schist at 154.30154.4m with increased bio and increased yellow clay alteration. | 153.25 | 154.05 | 0.80 | 24276 | | 5 | O | P | | | | | | | | | 5 | | | | | | | | | | | | |
| | | | | | | | 154.05 | 155.14 | 1.09 | 24277 | | 3 | O | FP | | | 3 | 3 | 3 | 1 | 5 | 3 | | 0.5 | 0.5 | | | | | | | | | | |
| | 155.14 | 158.35 | 3.21 | DIO | DIOqbio | Mixed zone of DIO and bio schist. Brecciated at upper contact with DIO. 155.19-155.31 intensely ser altered bio schist - light green core. Zone cut by cal veins as above as well as 30 TCA qtz k-spar veins. Increased chl zone at 156.10m with diss hem at 10 TCA, cut by 80 TCA chl veins. 1cm white vuggy qtz vein at 56.39m with 2-3mm k-spar halos. 156.39-157.25m increased bio at 20 TCA with DIO. Sharp increase in diss pyr, 3% and possible diss cpy. Cpy noted in 80 TCA chl vein. Increased pyr at 157.88-158.19m associated with increased qtz veining with k-spar halos. 5mm pyr vein at 10TCA at 158m. | 155.14 | 156.40 | 1.26 | 24278 | | 1 | O | F | | | 3 | 3 | 2 | 1 | 5 | 1 | | 0.5 | 1 | | | | | | | | | | |
| | | | | | | | 156.40 | 157.25 | 0.85 | 24279 | | 1 | O | F | | | 3 | 3 | 2 | 1 | 5 | 1 | | 0.5 | 3 | 0.2 | | | | | | | | | |
| | | | | | | | | | 0.00 | 24280 STD | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 157.25 | 158.35 | 1.10 | 24281 | | 1 | O | F | | | 3 | 3 | 2 | 1 | 5 | 1 | | 0.5 | 2 | 0.2 | | | | | | | | | |
| | 158.35 | 160.60 | 2.25 | DIO | | Blocky broken core as from 146.75-151.19m with yellow clay alteration of fds and oxidation on fracture surfaces. Qtz veins at 30-50 TCA with k-spar haloes. Zone bio schist from 159.22-159.64m with a bit of DIO in the middle at 10 TCA with schist. diss pyr along 10 TCA bio DIO contact. UCTC 30 TCA, LCTC 20 TCA. 1% diss pyr. | 158.35 | 159.15 | 0.80 | 24282 | | 2 | OY | F | | | 3 | 3 | 3 | 2 | 5 | 3 | | 0.5 | 1 | | | | | | | | | | |

| HoleID | Lith From m | Lith_To_m | Lith_Interval | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Inten | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 | |
|--------|-------------|-----------|---------------|----------|-------------|--|-------------|-----------|---------------|--------------|--------------------|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|--|
| | | | | | | | 159.15 | 160.60 | 1.45 | 24283 | | 2 | OY | F | | | 3 | 3 | 3 | 2 | 5 | 2 | | 0.5 | 1 | | | | | | | | | |
| | 160.60 | 168.73 | 8.13 | DIO | DIOy | Intensely silicified DIO with yellow clay alteration, gouge zones and strong k-spar overprint. Bleached and altered core weakly brecciated by non systematic network of cal veins altered to clay and lim that cross cut all other veins. K-spar rimming 1-2cm qtz veins. Larger qtz veins than above, 1-6cm. At 161.39m 6 cm vuggy qtz vein at 60 TCA. 162.22-162.44m zone of strong k-spar and vuggy qtz veins at 20-40 TCA. 161.45-161.74m bio zone with 60 TCA qtz cal veins and possible tension gashes filled with cal. 1164.73-165.07m gouge. Gouge from 167.83-168.73 | 160.60 | 161.73 | 1.13 | 24284 | | 1 | OY | F | | 1 | 3 | 2 | 3 | 1 | 4 | 2 | | 0.5 | 1 | | | | | | | | | |
| | | | | | | | 161.73 | 162.30 | 0.57 | 24285 | | 2 | OY | FP | | 2 | 4 | 1 | 2 | 2 | 3 | 2 | | 0.5 | 1 | | | | | | | | | |
| | | | | | | | 162.30 | 163.20 | 0.90 | 24286 | | 2 | OY | F | | 2 | 3 | 2 | 3 | 4 | 5 | 2 | | 0.5 | 1 | | | | | | | | | |
| | | | | | | | 163.20 | 164.59 | 1.39 | 24287 | | 1 | OY | F | | 3 | 3 | 2 | 3 | 2 | 5 | 2 | | 0.5 | 1 | | | | | | | | | |
| | | | | | | | 164.59 | 165.36 | 0.77 | 24288 | | 3 | OY | FP | | 3 | 4 | 1 | 2 | 4 | 3 | 3 | | 0.5 | 0.5 | | | | | | | | | |
| | | | | | | | | | | 24289 BLK | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 165.36 | 167.15 | 1.79 | 24290 | | 3 | OY | FP | | 3 | 4 | 2 | 1 | 3 | 2 | 3 | | 0.5 | 0.5 | | | | | | | | | |
| | | | | | | | 167.15 | 168.73 | 1.58 | 24291 | Core Loss | 4 | OY | FP | | 3 | 3 | 1 | 1 | 1 | 2 | 4 | | 0.5 | 0.5 | | | | | | | | | |
| | 168.73 | 174.41 | 5.68 | DIO | DIOx | Mixed zone of DIO and bio schist. Ser and chl altered bio schist with planar qtz cal veins with fine dark sulphides and k-spar rims at 40-60 TCA from 168.73-170.50m 2-5mm. Grades into DIO at 170.50m, bleached with totally clay altered and oxidized gouge zone from 170.64-170.86m. Braided qtz veins with fine dark sulphides at UCTC of gouge zone at 170.50 with blebby pyr at 50 TCA. LCTC of GOU at 40 TCA. Brecciated and clay altered from 170.86 to 171.65m. Increased mafics altered to chl with ox on fracture surfaces . mixed with bleached and clay altered DIO to end of unit. Axis parallel fracture at 173.15m with hem and slicken lines. Fract 20 TCA, slicken lines 30 to the oval. | 168.73 | 169.90 | 1.17 | 24292 | | 1 | OY | F | 1 | | 3 | 3 | 1 | | 4 | | | | | 1 | | | | | | | | |

| HoleID | Lith From m | Lith_To_m | Lith_Interval_ | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Inten | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 | |
|--------|-------------|-----------|----------------|----------|-------------|---|-------------|-----------|---------------|-----------------|--------------------|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|--|
| | | | | | | | 169.90 | 170.50 | 0.60 | 24293 | | 1 | OY | F | 1 | | 3 | 3 | 1 | | 4 | | | | 1 | | | | | | | | | |
| | | | | | | | 170.50 | 171.65 | 1.15 | 24294 | | 3 | OY | FP | 3 | 3 | 3 | 2 | 2 | | 3 | | | | 1 | | | | | | | | | |
| | | | | | | | 171.65 | 173.15 | 1.50 | 24295 | | 1 | OY | F | 2 | | 1 | 3 | 1 | | 3 | | | | 1 | | | | | | | | | |
| | | | | | | | | | | 24296 STD | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 173.15 | 174.41 | 1.26 | 24297 | | | | | 3 | | 2 | 3 | 1 | | 3 | | | | 1 | | | | | | | | | |
| | 174.41 | 188.33 | 13.92 | FLT | FLT | Strongly clay, chl and ser altered biotite schist that has been faulted. Silica content varies. In more siliceous zones core is blocky and broken with foliation of 30 TCA. Other zone are complete gouge . Local hem alteration on fracture surfaces with minor epi at 178.1m and 186.30m. Calcite/cal veins across zone - can't measure too many, one at 40 TCA. 184.4-185.62m qtz cal vein parallel TCA. | 174.41 | 176.48 | 2.07 | 24298 | | | | | 4 | | 3 | 4 | 3 | | 3 | 3 | | | 0.5 | | | | | | | | | |
| | | | | | | | 176.48 | 178.51 | 2.03 | 24299 | | | | | 4 | | 3 | 4 | 3 | | 3 | 3 | | | 0.5 | | | | | | | | | |
| | | | | | | | 178.51 | 179.53 | 1.02 | 24300 | | | | | 2 | | 2 | 4 | 3 | 1 | 4 | 2 | | 1 | 0.5 | | | | | | | | | |
| | | | | | | | | | | 24301 DUP of | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 179.53 | 180.50 | 0.97 | 24302 | | | | | 5 | | 4 | 4 | 3 | | 1 | 5 | | | 0.5 | | | | | | | | | |
| | | | | | | | 180.50 | 182.56 | 2.06 | 24303 | | | | | 5 | | 4 | 4 | 3 | | 1 | 4 | | | 0.5 | | | | | | | | | |
| | | | | | | | 182.56 | 184.40 | 1.84 | 24304 | | | | | 5 | | 3 | 4 | 3 | | 2 | 4 | | | 0.5 | | | | | | | | | |
| | | | | | | | 184.40 | 185.62 | 1.22 | 24305 | | | | | 5 | | 2 | 4 | 3 | | 2 | 4 | | | 0.5 | | | | | | | | | |
| | | | | | | | 185.62 | 187.50 | 1.88 | 24306 | | | | | 4 | | 3 | 4 | 3 | | 3 | 2 | | 1 | 0.5 | | | | | | | | | |
| | | | | | | | 187.50 | 188.33 | 0.83 | 24307 | | | | | 4 | | 3 | 4 | 3 | | 3 | 2 | | | 0.5 | | | | | | | | | |

| HoleID | Lith From m | Lith_To_m | Lith_Interval_ | Lith Gen | Lith Detail | Lith description | Sample From | Sample To | Sample Interv | Sample ID | Sample Description | Ox intensity | Ox colour | Ox Location | Fracture Inten | Brecciated | Alt-Bleached | Alt-chl | Alt-ser | Alt-K-spar | Alt-Sil | Alt-clay | Min-Mag | Min-Hem | Min-py | Min-cpy | Min-black sul | Struct_type_1 | TCA_1 | Struct_type_2 | TCA_2 | Struct_type_3 | TCA_3 |
|--------|-------------|-----------|----------------|----------|-------------|--|-------------|-----------|---------------|-----------|--------------------|--------------|-----------|-------------|----------------|------------|--------------|---------|---------|------------|---------|----------|---------|---------|--------|---------|---------------|---------------|-------|---------------|-------|---------------|-------|
| | 188.33 | 191.72 | 3.39 | QBs | | Very mafic bio schist from 188.33-188.67m with cal veins at 70 TCA and dis pyr grading into bleached sch mixed with DIO. Strongly chl and ser altered with a foliation 20 TCA. Diss hem and increased ser and clay to the end of the hole. | 188.33 | 189.30 | 0.97 | 24308 | | | | | 1 | | | 2 | 1 | | 4 | 1 | | | 2 | | | | | | | | |
| | | | | | | | 189.30 | 190.75 | 1.45 | 24309 | | | | | 1 | | | 4 | 3 | | 3 | 3 | | | 2 | | | | | | | | |
| | | | | | | | 190.75 | 191.72 | 0.97 | 24310 | | | | | 1 | | | 4 | 3 | | 3 | 3 | | | 2 | | | | | | | | |
| | | | | | | | EOH | | | | | | | | | | | | | | | | | | | | | | | | | | |