

003804

1 0.0 9.8 1 #  
2 NO RECOVERY - FEW GRANITE COBBLES AT END  
3 999  
4 9.8 14.8 2 3G0  
5 (3B3 BIO) 85:15  
6 MODERATELY HARD, MEDIUM GREENISH GREY, NONCALCAREOUS, PS2  
7 FOLIATED PHYLLITE. THINLY BANDED, THICKLY LAMINATED Biotite-  
8 CHLORITE-QUARTZ-CALCITE 3B(?) BANDS MAINLY BELOW 13.2M. CORE IS  
9 MODERATELY TO VERY BORKEN, LOCAL RUBBLE - RECOVERY OK. ONLY  
10 MINOR RUSTY ORANGE BROWN WEATHERING ON FOLIA.  
11 999  
12 14.8 16.0 3 4L6  
13 WEAK 7 MINOR (3C3) MINOR  
14 MODERATELY SOFT TO MODERATELY HARD, PS2 FOLIATED, LIGHT CREAMISH  
15 GREEN, GENERALLY NONCALCAREOUS PHYLLITE. S2 FOLIA LIGHT, SILVERY  
16 GREEN LOCALLY WITH GREY TINGE - CONTAINS THIN CALCAREOUS BANDS  
17 WHICH ARE DARKER GREEN AND LOCALLY CONTAIN PYRRHOTITE. CUT SURFACE  
18 WEATHERS TO ORANGE BROWN, LOOKS LIKE ALTERED 3G PHYLLITE WITH 3C  
19 BANDS. PYRRHOTITE AS TINY DISSEMINATED STREAKS ALONG S2 FOLIA.  
20 MODERATELY BROKEN.  
21 999  
22 16.0 22.1 4 3G3  
23 BIOTITE  
24 MEDIUM GREENISH GREY, MODERATELY SOFT TO MODERATELY HARD, NON-  
25 CALCAREOUS, PS2 FOLIATED PHYLLITE WITH PATCHY BROWN TINGE AND  
26 STREAKS PARALLEL S2 AND COMPOSITIONAL BANDING. THINLY TO  
27 THICKLY LAMINATED WITH DARK GREY TO DARK BROWN, MODERATELY TO  
28 FINELY CRYSTALLINE BIOTITE BEARING MARBLE - WITH BIOTITE ALSO  
29 AS SELVEDGES AROUND MARBLE - COMMONLY BORDINAGE TEXTURE WITH  
30 BIOTITIC SILICATES NECKING IN MARBLE - MINOR CROSSCUTTING  
31 FRACTURES WITH CHLORITE AND CALCITE SURROUNDED BY WHITE ALTERATION  
32 HALO. CORE MODERATELY BROKEN TO INTACT - NO MAJOR FAULTS. LOWER  
33 CONTACT GRADATIONAL. 10% MARBLE BANDS OVERALL.  
34 999  
35 22.1 23.4 5 3G1  
36 4 WEAK  
37 MODERATELY HARD TO MODERATELY SOFT, LIGHT GREENISH GREY, GENERALLY  
38 NONCALCAREOUS, PS2 FOLIATED PHYLLITE. CENTRAL PART OF INTERVAL  
39 IS MAINLY GRANULAR QUARTZOSE BANDS WITH MINOR DISSEMINATED GREEN  
40 MINERAL AND PYRRHOTITE AS S2 PARALLEL BANDS, LOCALLY MICROLITHONS.  
41 END OF INTERVAL HAS TWO 2CM THICK DARK GREY MODERATELY CRYSTALLINE  
42 BANDS (SIMILAR TO MARBLE OF LAST UNIT). S2 FOLIA ARE LIGHT,  
43 SILVERY GREEN - UPPER AND LOWER CONTACTS GRADATIONAL. LOOKS LIKE  
44 MINOR ALTERATION AND MORE QUARTZOSE NATURE COMBINE TO PRODUCE  
45 OVERALL LIGHTER COLOUR. INTACT. (1 IS FOR QUARTZOSE BANDS)  
46 999  
47 23.4 33.4 6 3G0  
48 BIOTITE & 3 MINOR  
49 SIMILAR TO #4. PS2 FOLIATED, GREENISH GREY, NONCALCAREOUS  
50 PHYLLITE WITH BIOTITE BANDING LOCALLY DEVELOPED - ONLY VERY  
51 MINOR LAMINAE OF BIOTITIC MARBLE (<5%). UNIT BECOMES LIGHTER IN  
52 LAST 1M WITH GRADITIONAL LOWER CONTACT - BEING PLACED AT LAST  
53 APPEARANCE OF BIOTITE DOWN HOLE. S2 FOLIA ARE DARK GREY. INTACT.  
54 999  
55 33.4 39.2 7 3G4  
56 WEAK 8 MINOR 3 MINOR (3G9) 70:30  
57 MEDIUM GREY WITH SLIGHT GREEN TINGE, MODERATELY SOFT, PS2  
58 FOLIATED, SLIGHTLY CALCAREOUS PHYLLITE THICKLY INTERBANDED WITH

59 MEDIUM DARK GREY, PS2 FOLIATED, MODERATELY SOFT, NONCALCAREOUS  
60 PHYLLITE - CONTRASTS TO ADJOINING UNITS SINCE NOT BIOTITIC  
61 (EXCEPT LOCALLY). LOWER CONTACT GRADATIONAL DARKENING OF COLOUR  
62 AND APPEARANCE OF BIOTITE. MINOR PYRRHOTITE PORPHS ALONG S2.  
63 CORE MODERATELY BROKEN, LOCAL MINOR RUBBLE. NO FAULTS.  
64 999  
65 39.2 56.7 8 3G3  
66 BIOTITE CALC-SILICATY MINOR  
67 MEDIUM GREY (WITH PURPLISH-PINKISH BROWN TINT), MODERATELY  
68 SOFT, PS2 FOLIATED, MODERATELY CALCAREOUS PHYLLITE. THINLY  
69 LAMINATED PARALLEL PS2 IN SHADES OF GREY AND VERY THINLY BANDED  
70 WITH 2CM THICK MARBLE BANDS, MODERATELY CRYSTALLINE MARBLE, EITHER  
71 VERY DARK BROWN (DUE TO MUCH BIOTITE) OR MEDIUM GREY. PHYLLITE  
72 WITH THICK QUARTZOSE LAMINAE WITH DISSEMINATED GREEN MINERAL  
73 MASKED BY MORE ABUNDANT BIOTITE - APPROXIMATELY 20% CARBONATE  
74 BEARING BANDS. ESSENTIALLY THE SAME AS UNITS #4 AND 6 EXCEPT  
75 MORE BIOTITE AND MORE CARBONATE BANDS. UNIT ACTUALLY CONSISTS OF  
76 NONCALCAREOUS PHYLLITE INTERBANDED WITH THE MARBLE BUT CALLED  
77 CALCAREOUS PHYLLITE TO BE CONSISTENT WITH USAGE OF 5B0. MOST  
78 MARBLE BANDS HAVE BLuish GREY (AMPHIBOLITE?) RIM AROUND THEM -  
79 REACTION AUREOLE(?).  
80 TOI-45.6 - INTACT  
81 45.6-46.6 - MODERATELY BROKEN TO RUBBLY  
82 46.6-52.2 - MODERATELY BROKEN LOCAL RUBBLE AND POKER CHIPPY ZONES  
83 RECOVERY OK, NO FAULTS  
84 55.2-55.4 - CRACKLE AND VEIN BRECCIA  
85 55.4-EOI - MODERATELY BROKEN TO POKER CHIPPY  
86 999  
87 56.7 73.2 9 3G3  
88 &BIOTITE GOUGE  
89 GOUGE AND VERY BROKEN CORE - UPPER PORTION SAME AS #8, LOWER  
90 PORTION SAME AS #9 WITH BREAK FROM BROWNISH TO JUST GREY AT 60.5M.  
91 S2 AT STEEP ANGLE TO CORE AXIS AND IS LOCALLY KINKED LEADING TO  
92 A CONCLUSION THAT THIS IS ALATE STEEP FAULT - GOUGE ITSELF IS  
93 INDETERMINATE; 6.3M/16.5M RECOVERED.  
94 999  
95 73.2 76.5 10 3G3  
96 CALC-SILICATY MINOR  
97 MEDIUM GREY TO GREENISH GREY, GENERALLY NONCALCAREOUS, PS2  
98 STRIPED, MODERATELY SOFT PHYLLITE WITH 1-2CM INTERBANDS OF MEDIUM  
99 CRYSTALLINE MARBLE WITH SLIGHT BROWNISH TINGE DUE TO BIOTITE.  
100 MARBLE <10% OF UNIT. LOWER CONTACT GRADATIONAL MARKED BY LIGHTENING/  
101 BLEACHING. S2 AT SMALL ANGLE TO CORE AXIS. S2 FOLIA ARE STEELY  
102 GREY - GREENISH COLOUR IS DISSEMINATED GREEN MINERAL IN BOTH  
103 CALCAREOUS AND NONCALCAREOUS PORTION. CORE STRONGLY BROKEN,  
104 LOCALLY RUBBLY, RECOVERY OK.  
105 999  
106 76.5 82.1 11 3G4  
107  
108 SAME AS LAST UNIT TEXTURALLY BUT OVERALL COLOUR IS LIGHT, SILVERY  
109 GREENISH CREAM. S2 FOLIA ARE GREENISH GREY, THEREFORE LOOKS LIKE  
110 BLEACHED AND ALTERED VERSION OF SAME CALCAREOUS PHYLLITE.  
111 S2 AT HIGH ANGLE TO CORE AXIS. CORE STRONGLY BROKEN WITH RUBBLE  
112 AT 80.4-80.7, RECOVERY OK.  
113 999  
114 82.1 87.1 12 3G08  
115 MINOR  
116 MODERATELY SOFT TO SOFT, PS2 FOLIATED, MEDIUM GREENISH GREY, NON-  
117 CALCAREOUS PHYLLITE. THINLY LAMINATED IN SHADES OF GREY -  
118 COMPOSITIONAL BANDING RELATED TO P SOLN?

119 S2 FOLIA ARE SLIGHTLY GREENISH GREY SIMILAR TO #11, BUT NO CARBONATE  
 120 BANDS AND RETAINS GREY COLOUR - GREEN NOT OBVIOUSLY DUE TO  
 121 DISSEMINATED "CALC-SILICATY MINERAL", BUT DUE TO MINOR "MATRIX"  
 122 CHLORITE. S2 AT APPROXIMATELY 30 DEGREES TO CORE AXIS.  
 123 TOI-85.0 - STRONGLY BROKEN - RUBBLY  
 124 85.0-EOI - MODERATELY TO VERY BROKEN  
 125 999  
 126 87.1 93.5 13 3G34  
 127  
 128 SAME AS #11 - CORE IS VERY BROKEN, LOCALLY RUBBLY AND INCIPIENT  
 129 GOUGED. KINK FOLDING WITH AXIAL PLANE AT APPROXIMATELY 20 DEGREES  
 130 TO CORE AXIS.  
 131 999  
 132 93.5 111.0 14 3G9  
 133  
 134 DARK GREY, MODERATELY SOFT TO SOFT, PS2 FOLIATED, NONCALCAREOUS  
 135 PHYLLITE. MINOR GRANULAR QUARTZOSE BANDS TRANSITIONAL TO LAMINAE  
 136 WITH GREEN "CALC-SILICATY" MINERAL. S2 FOLIA ARE DARK GREY.  
 137 TOI-98.1 - MODERATELY TO STRONGLY BROKEN, LOCAL RUBBLE, APPROXI-  
 138 MATELY 1M CORE LOST  
 139 98.1-99.6 - 0.4M OF REGROUND QUARTZ VEIN PEBBLES CARRYING MINOR  
 140 PYRITE  
 141 99.6-102.7 - VERY BROKEN, LOCAL RUBBLE, RECOVERY OK  
 142 102.7-110.0 - TOKEN RECOVERY OF SMALL PHYLLITE CHIPS - 0.2M RECOVERED  
 143 110.0-111.0 - VERY BROKEN, LAST 0.1M REGROUND PEBBLES OF PYRITIC  
 144 QUARTZ VEIN .6M RECOVERED  
 145 UNIT IS MESSY ZONE RELATED TO STEEP FOLDING AND RELATED FAULTING!  
 146 999  
 147 111.0 111.6 15 3C3\$  
 148 BRECCIA  
 149 TAN WEATHERED, CHLORITE AND CALCITE AND DOLOMITE, COARSELY FOLIATED  
 150 PHYLLITE. PRESUMABLY ORIGINALLY METABASITE, NOW WITH ONLY VESTIGES  
 151 OF LEOPARD ROCK TEXTURE NOT DESTROYED BY DEVELOPMENT OF FAULT  
 152 BRECCIA TRANSITIONAL TO FLASER TEXTURE. UPPER CONTACT DRILLED  
 153 AWAY, LOWER STEEP (20 DEGREES TO CORE AXIS) AND PARALLEL TO S2.  
 154 CORE INTACT.  
 155 999  
 156 111.6 112.7 16 3G9  
 157  
 158 MEDIUM DARK GREY, SOFT, NONCALCAREOUS, PS2 FOLIATED PHYLLITE.  
 159 ABUNDANT QUARTZ CRACKLE BRRECCIA, INTACT. S2 DISTORTED/KINKED.  
 160 RECOVERY OK.  
 161 999  
 162 112.7 117.8 17 3G9  
 163 [3E0] BRECCIA  
 164 DARK GREY TO BLACK, SOFT, LOCALLY CALCAREOUS, COHERENT FAULT  
 165 BRECCIA WITH CLASTS OF CALCITE, BULL QUARTZ AND PYRITE; LOCALLY  
 166 FINE GRAINED MATRIX IS ALSO CALCAREOUS. HAS LARGER CLASTS OF  
 167 UNBRECCIATED PHYLLITE SIMILAR TO UNIT #16. UPPER CONTACT  
 168 APPROXIMATELY 50 DEGREES TO CORE AXIS AND ROUGHLY PARALLEL TO  
 169 DISTORTED S2 ABOVE IT - BUT BY STEEPER FRACTURES AT 25 DEGREES TO  
 170 CORE AXIS WITH SAME DIP. LOWER CONTACT APPROXIMATELY 55 DEGREES  
 171 TO CORE AXIS AND SUBPARALLEL TO LOCAL S2. INTERNALLY FLASER  
 172 TEXTURE - FOLIATION IS 20-40 DEGREES. MOSTLY INTACT, BUT LOCALLY  
 173 INCIPIENTLY GOUGED TO RUBBLY. RECOVERY OK.  
 174 999  
 175 117.8 119.9 18 3E0

176 &1 (3F9) 95:05  
 177 MODERATELY SOFT TO MODERATELY HARD, DARK GREY TO BLACK, PS2  
 178 FOLIATED, GENERALLY NONCALCAREOUS PHYLLITE - UPPERMOST 0.3M  
  
 179 IS DARK GREY TO BLACK, MEDIUM CRYSTALLINE MARBLE - MINOR PYRITE  
 180 IN STREAKS ALONG S2 AND IN CROSSCUTTING FRACTURES. S2 FOLIA BLACK  
 181 BUT DON'T EASILY SMUDGE FINGERS. CORE RUBBLY, RECOVERY OK.  
 182 NO GOOD 4A RIBBON QUARTZ TEXTURE.  
 183 999  
 184 119.9 121.7 19 3F9  
 185 (3E01 BORDERLINE) 75:25  
 186 DARK GREY TO BLACK, MEDIUM CRYSTALLINE, PS2 FOLIATED MARBLE WITH  
 187 LESSER INTERBANDS OF MODERATELY HARD TO HARD, PS2 FOLIATED TO  
 188 WEAKLY LITHONED, DARK GREY TO BLACK, NONCALCAREOUS PHYLLITE.  
 189 MARBLE WITH MINOR PYRITE STREAKS PARALLEL S2. CORE VERY BROKEN,  
 190 LOCALLY RUBBLY, RECOVERY OK.  
 191 999  
 192 121.7 125.7 20 3E0  
 193 &3 MINOR  
 194 DARK GREY TO BLACK, MODERATELY SOFT TO MODERATELY HARD, PS2  
 195 FOLIATED, GENERALLY NONCALCAREOUS, CARBONACEOUS PHYLLITE. UPPER  
 196 1/3 OF INTERVAL WITH VERY MINOR THIN CALCAREOUS BANDS (<1% AND  
 197 APPROXIMATELY 1MM THICK). MINOR PYRITE ALONG S2 FOLIA AS THIN  
 198 STREAKS ALONG S2 AN IN FRACTURES. CORE VERY BROKEN, LOCALLY  
 199 RUBBLY - RECOVERY OK.  
 200 999  
 201 125.7 127.5 21 3F9  
 202 (3E0) 80:20  
 203 DARK GREY TO BLACK, MEDIUM CRYSTALLINE MARBLE WITH MINOR 3E0  
 204 MODERATELY SOFT, CARBONACEOUS PHYLLITE INTERBANDS. CORE MODERATELY  
 205 BROKEN WITH APPROXIMATELY 1/2M MISSING. 126.4-126.9 IS MUCH  
 206 REDRILLED PIECES OF CORE.  
 207 999  
 208 127.5 131.0 22 3G09  
 209 MINOR  
 210 DARK GREY, NONCALCAREOUS, PS2 FOLIATED PHYLLITE, MODERATELY  
 211 SOFT. S2 FOLIA ARE STEELY GREY. S2 IS DISTORTED AND LOCALLY  
 212 IS PARALLEL TO CORE AXIS.  
 213 TOI-130.4 - MODERATELY BROKEN  
 214 130.4-131.0 - VERY BROKEN TO RUBBLY, STEEP FRACTURES AT 10 DEGREES  
 215 TO CORE AXIS WITH LOCAL HORIZONTAL SLICKS ON POLISHED  
 216 FRACTURE SURFACES  
 217 LAST 1/2M HAS DARK CHLORITIC GREEN COLOUR.  
 218 999  
 219 131.0 133.3 23 3G9  
 220 BRECCIA [3E0 BRECCIA]  
 221 SOLFT, DARK GREY TO BLACK, COHERENT TO INCIPIENT GOUGED TO GOUGED,  
 222 FAULT BRECCIA WITH CLASTS OF CALCITE AND 10Q - VERY BROKEN CORE.  
 223 UPPR CONTACT AT APPROXIMATELY 20 DEGREES TO CORE AXIS. INTERNAL  
 224 FOLIATION IN UPPER PORTION IS AT APPROXIMATELY 10DEGREES AND  
 225 DECREASES TO 60 DEGREES TOWARDS END. LOWER CONTACT MAY BE FAULT  
 226 AT 45 DEGREES TO CORE AXIS.  
 227 999  
 228 133.3 137.6 24 3G0  
 229 CALC-SILICATY VERY MINOR (3G9) 60:40  
 230 MEDIUM GREY, MODERATELY SOFT, NONCALCAREOUS PHYLLITE WITH  
 231 GRANULAR QUARTZOSE BANDS CONTAINING GREEN MINERAL INTERBANDED  
 232 WITH DARK GREY, PS2 FOLIATED, NONCALCAREOUS PHYLLITE WITH SOME

233 THIN QUARTZOSE LAMINAE. THICKLY INTERBANDED - DARK SUBUNIT  
234 IN CENTRE OF UNIT. S2 IS FAIRLY PLANAR BUT STILL MUCH CRACKLE  
235 BRECCIA. CORE MODERATELY BROKEN.  
236 999  
237 137.6 138.225 3F9  
238

239 THINLY LAMINATED, DARK GREY, PS2 FOLIATED, MODERATELY HARD  
240 MARBLE CONTAINING LAMINAE OF BLACK CARBONACEOUS PHYLLITE.  
241 CORE IS MODERATELY BORKEN TO INTACT.  
242 999  
243 138.2 161.4 26 3E10  
244 [5A16]  
245 DARK GREY TO BLACK, HARD, PS2 FOLIATED, CARBONACEOUS, SILICEOUS  
246 PHYLLITE - WEATHERS TO LIGHTER GREY WITH SLIGHT BLUE TINGE. CONTAINS  
247 PYRITE IN CROSSCUTTING FRACTURES ASSOCIATED WITH QUARTZ - NOT  
248 A LOT OF S2 PARALLEL "4A BANDS". MODERATEL DOLOMITE FLAST.  
249 TOI-141.1 - VERY BROKEN WITH DISTORTED S2  
250 141.1-146.5 - MODERATELY BROKEN TO POKER CHIPPY  
251 146.5-151.2 - VERY BROKEN AND POKER CHIPPY - .6M LOST AT TOP  
252 151.2-160.6 - RUBBLE WITH MINOR VERY BROKEN CORE - SOME INCIPIENT  
253 GOUGE  
254 - 151.2-156.3 - 1.7M RECOVERED  
255 - 156.3-159.4 - 1.5M RECOVERED  
256 - RECOVER OK FOR REST  
257 160.6-EOI - MODERATELY BROKEN, S2 AT APPROXIMATELY 20 DEGREES  
258 TO CORE AXIS - STEEP FRACTURES AT 10 DEGREES TO CORE  
259 AXIS-THIS IMPLIES A STEEP FAULT

260 999  
261 161.4 166.4 27 3E0  
262 &3 BRECCIA  
263 DARK GREY TO BLACK, MODERATELY SOFT TO MODERATELY HARD, COHERENT,  
264 VARIABLY CALCAREOUS FAULT BRECCIA. SOME REASONABLY 3F9 CLASTS  
265 BUT MOSTLY CALCITE AND QUARTZ VEIN AND SOME 3G0 PHYLLITE. UPPER  
266 CONTACT AT APPROXIMATELY 30 DEGREES TO CORE AXIS AND APPROXIMATELY  
267 PARALLEL TO S2. LOWER CONTACT INDETERMINATE. INTERNAL FABRICE  
268 FLASER FOLINATION AT 10 TO 30 TO 50 DEGREES TO CORE AXIS.  
269 (STARTS OF STEEPER AND FLATTENS AS GO DOWN). CORE MODERATELY  
270 TO VERY BROKEN AND HAVE INTERVLS OF GOUGE ESPECIALLY 165.5 DOWN.  
271 NOTE:  
272 FROM 117.8-166.4 - FITS WITH CARBONACEOUS MARBLE, SILICEOUS PHYLLITE  
273 PACKAGE IN MT MYE FIRMAMENT (AS SEEN IN DDH'S IN CHAMP AREA BELOW  
274 DEAL LAKE FAULT). COMPARE ALSO TO 79-VX-02 WITH SOME CALC-SILICATE  
275 UNIT REMOVED BY FAULTING ALONG THE FAULTS THAT BOUND THIS OVERALL  
276 UNIT.  
277 999  
278 166.4 193.5 28 3G0  
279  
280 MODERATELY SOFT, MEDIUM GREY, NONCALCAREOUS, PS2 FOLIATED PHYLLITE.  
281 CONTAINS MINOR, SLIGHTLY CALCAREOUS BIOTITE-CALCITE-DOLIMITE-  
282 ACTINOLITE LAMINAE AND BANDS 2-3CM THICK (OF 3B3 BIO?) AT 182.4  
283 AND 189.1-189.3.  
284 TOI-170.0 - MODERATELY BORKEN  
285 170.0-186.9 - VERY BROKEN AND POKER CHIPPY, RUBBLY AND INCIPIENT  
286 GOUGED, BUT RECOVERY IS OK  
287 186.9-EOI - MODERATELY TO VERY BROKEN, LOCAL RUBBLE  
288 999  
289 193.5 199.0 30 3G0

290  
291 RUBBLE AND GOUGE; SAME ROCKS AS #29 BUT ENTIRELY TRASH  
292 3.2M RECOVERED  
293 999  
294 EOH  
295 999