

003778

1 0.0 70.0 1 #
2 2 INTRUSIVE BOULDER CORED
3 999
4 70.0 86.5 2 4E8
5 & @
6 POORLY BANDED PYRITE WITH THIN MAGNETITE STREAKY LAMINAE, MINOR
7 AUGEN AND LENSES OF PALE TAN WEATHERED CARBONATE THAT FIZZES WITH
8 DIFFICULT IN 20% HCL, MINOR GALENA, SPHALERITE. 10% MAGNETITE,
9 5% CARBONATE, 85% PYRITE. CORE SPLIT AND RUBBLY AND RUSTY ORANE
10 BROWN WEATHERING, 6'/16" RECOVERED.
11 999
12 86.5 93.5 3 5A9
13
14 MODERATELY HARD, CARBONACEOUS PHYLLITE WITH QUARTZOSE LAMINAE.
15 PYRITE ALONG FRACTURES CUTTING S1 AND S2 - CENTRE OF INTERVAL
16 IS 10CM BAND PARALLEL TO S2 OF PYRITE > QUARTZ, PROBABLY A VEIN.
17 VERY DARK GREY TO BLACK. CORE IS POKER CHIPPY TO RUBBLY,
18 APPROXIMATELY 90% RECOVERY.
19 999
20 93.5 97.0 4 4G@
21
22 APPROXIMATELY 60% PYRITE, 25% BARITE AND CARBONATE. CARBONATE
23 AS AUGEN AND LENSES AND AS FINE-GRAINED MINERAL IN MATRIX.
24 SULPHIDES DISSEMINATED IN OFF-WHITE TO CREAMY TAN MATRIX - POORLY
25 DEFINED SULPHIDE BANDING.
26 999
27 97.0 100.0 5 4?4\$
28 (4L2) 80:20
29 ? = POORLY LAMINATED DOLOMITIC ROCK WITH DISSEMINATED PYRITE,
30 GALENA, SPHALERITE IN FINE CARBONATE MARTIX AND WITH LARGER
31 DOLOMITIC "AUGEN" ALONG S2, SPHALERITE IS REDDISH BROWN. ROCK
32 TEXTURALLY LIKE 4C OR 4G BUT NOT PARTICULARLY QUARTZOSE OR BARITIC.
33 4L2 = PALE CREAMY WHIT MUSCOVITIC PHYLLITE WITH CROSS CUTTING
34 FRACTURES FILLED WITH PYRITE AND S2 FOLIAFORM QUARTZ, PYRITE
35 LENSES AND LAMINAE, MINOR CHALCOPYRITE IN CROSS CUTTING FRACTURES.
36 NOT SPLIT, INTACT.
37 999
38 100.0 102.3 6 5B64
39 9 -> 5A0
40 9 = SPHALERITE AND PYRITE
41 SOFT TO MODERATELY SOFT, MEDIUM GREY, NONCALCAREOUS, PS2
42 FOLIATED PHYLLITE BECOMING INCREASINGLY BLACK DOWN HOLE. CONTAINS
43 ABUNDANT FINE CROSS CUTTING FRACTURES WITH PYRITE - LOWEST 6"
44 IS SULPHIDE VEIN WITH 5A FRAGMENTS. VEIN IS S2 FOLIAFORM AND
45 CONSISTS OF FINE-GRAINED PYRITE, SPHALERITE AND QUARTZ. POKER
46 CHIPPY, NO FAULTS, RECOVERY OK.
47 999
48 102.3 156.5 7 5B62
49 &4 MINOR &3 MINOR (5D4*) V MINOR
50 MEDIUM DARK GREY -> DARK GREY, MODERATELY SOFT, PF2 FOLIATED,
51 LAMINATED IN SHADES OF GREY, GENERALLY NONCALCAREOUS PHYLLITE
52 WITH SHORT INTERVALS WITH VARIABLY CALCAREOUS BROWN WEATHERED
53 LAMINAE/LITHONS. SHORT LIGHTER GREY INTERVALS ARE SLIGHTLY
54 ALTERED VERSIONS OF SAME. CONTAINS ABUNDANT CROSS CUTTING
55 PYRITE VEINLETS.
56 102.3'-107.0' VERY BROKEN, RECOVERY OK
57 107.0'-115.0' INDETERMINATE GOUGE, 7'/8" RECOVERED
58 115.0'-119.0' VERY BROKEN, RECOVERY OK

59 119.0'-129.0' VERY BROKEN, 50% RECOVERY, MAINLY LOST 119'-124'
60 (= 1' RECOVERED)
61 129.0'-142.0' VERY BROKEN TO RUBBLY, RECOVERY OK
62 142.0'-144.0' MODERATELY BROKEN, 65% RECOVERY
63 144.0'-156.5' MODERATELY BROKEN, RECOVERY OK
64 999
65 156.5 158.5 8 5A1
66
67 HARD, SILICEOUS, CARBONACEOUS QUARTZITE, ABUNDANT DARK QUARTZITE
68 BANDS SEPARATED BY THIN CARBONACEOUS S2 LAMINAE - ROCK IS DULL
69 BLACK. RUBBLE, RECOVERY OK.
70 999
71 158.5 164.0 9 4E84
72 @
73 FINE-GRAINED, POORLY LAMINATED WITH VAGUE LAMINATION DUE TO GALENA,
74 SPHALERITE, BARITE, MAGNETITE AND CARBONATE (NOT ALL COINCIDENT)
75 HAS PALE TAN WEATHERED LENSES OF DOLOMITE AND @. CENTRE OF UNIT
76 IS 15CM OF 5A6 - SULPHIDE IN SULPHIDE BRECCIA IN LOWER PART OF
77 INTERVAL. CORE SPLIT, 5A RUBBLY. REMAINDER MAINLY INTACT EXCEPT
78 AT VERY BOTTOM WHICH IS RUBBLY.
79 999
80 164.0 175.0 10 4E1@
81 BXA
82 SULPHIDE IN SULPHIDE BRECCIA WITH CROSS CUTTING QUARTZ VEINS -
83 CROSSCUTTING ANKERITE VEINS AND LENSES. SPLIT, UPPER 1' IS RUBBLE,
84 LOWER 1' IS RUBBLE, REMAINDER INTACT. APPROXIMATELY 30% RECOVERY.
85 999
86 175.0 177.0 11 5A6
87 (10Q0) 50:50
88 UPPER HALF IS 10Q, LOWER HALF IS 5A RUBBLE, RECOVERY LOOKS OK.
89 999
90 177.0 182.0 12 5D4\$
91 (5B6) 90:10
92 BROWN WEATHERED DOLOMITE FINELY LAMINATED OFF WHITE HOMOGENEOUS
93 MUSCOVITIC PHYLITE, 5B6 BANDS UP TO 15CM THICK WITH SHARP CONTACTS.
94 MODERATELY BROKEN, NO FAULTS.
95 999
96 182.0 200.0 13 5B20
97 &
98 MEDIUM DARK GREY, MODERATELY SOFT, GENERALLY PS2 LAMINATED PHYLITE.
99 WITH MINOR QUARTZ-CALCITE BANDS (SOME QUARTZ-DOLOMITE AND WEATHERED
100 TAN BROWN) GENERALLY NOT FORMING GOOD LITHONS. CONTAINS MINOR
101 PYRITE IN FRACTURES AND AS S2 PARALLEL STREAKS. INTACT. NOT GOOD
102 EOY.
103 999
104 200.0 201.0 14 5D0
105
106 HOMOGENEOUS, MEDIUM OLIVE GREEN, CHLORITE PHYLITE WITH
107 ABUNDANT QUARTZ-CALCITE-DOLOMITE BANDS PARALLEL TO S2 FORMING
108 50% OF UNIT. INTACT.
109 999
110 201.0 209.0 15 5B62
111
112 MODERATELY SOFT, MEDIUM DARK GREY, PS2 STRIPED (SHADES OF GREY)
113 NONCALCAREOUS PHYLITE - WEATHERES RUST BROWN ALONG S2 FOLIA -
114 CONTAINS MINOR PYRITE IN IRREGULAR PORPHS ALONG S2.
115 201.0'-203.0' CORE INTACT
116 203.0'-206.0' VERY BROKEN, 30% RECOVERY
117 206.0'-209.0' VERY BROKEN, 70% RECOVERY
118 999

119 209.0 225.5 16 5A
 120 GOUGE
 121 BLACK, INDETERMINATE GOUGE, LOCALLY FOAMING, RECOVERY
 122 APPROXIMATELY 90%
 123 999
 124 225.5 252.8 17 4CD4
 125 [4L]
 126 ORIGINAL ROCK WAS BIOTITE, MUSCOVITE, GARNET SCHIST THAT WAS
 127 STRONGLY QUARTZ-FELDSPAR BANDED - NOW ROCK IS SILICEOUS, MUSCOVITIC
 128 PHYLLITE WITH PARCH REMINANTS OF ORIGINAL MINERALOGY, MAINLY
 129 GARNET AND SOME BIOTITE LEFT. HEAVILY FRACTURED FRACTURES,
 130 WEATHERING RUSTY-ORANGE-BROWN - MINOR S2 FOLIAFORM PYRRHOTITE,
 131 CHALCOPYRITE, QUARTZ, CARBONATE VEINS. UPPER 1' IS GOUGE,
 132 REMAINDER INTACT, FAULT BRECCIA (INDETERMINATE) IN UPPER PORTION.
 133 999
 134 252.8 260.7 18 4L0
 135 [1D4]
 136 PALE, CREAMY GREEN WHITE LAMINATED, PS2 FOLIATED, MUSCOVITE>>
 137 CHLORITE PHYLLITE, MINOR QUARTZOSE LAMINAE. STREAKY RUSTY
 138 BROWN WEATHERING ALONG S2 FOLIA AND IN SMALL FRACTURES CUTTING
 139 S2, UPPER CONTACT ARBITRART AND BASED ON LACK OF EVIDENCE OF
 140 ORIGINAL GARNET OR BIOTITE. LOWER CONTACT GRADATIONAL,
 141 INCREASE IN CHLORITE. INTACT - NO OBVIOUS FAULTS TO EXPLAIN THE
 142 END OF THE ALTERED SCHISTS?
 143 999
 144 260.7 265.0 19 3B34
 145 (4L6 WEAK) 90:10
 146 INTACT. MICACEOUS, MUSCOVITIC PHYLLITE, SLIGHTLY GREENER THAN
 147 LAST UNIT, INDICATING MORE CHLORITE. 3B3 WITH TYPICAL CALCITE-
 148 QUARTZ BANDING WITH BIOTITE SELVAGES. TYPICAL GREEN COLOUR,
 149 DESTROYED ROCKS ARE NOW CREAMY GREEN-WHITE - SEVERAL CALCITE-
 150 QUARTZ FOLIAFORM VEINS IN INTERVAL. ORIGINAL ROCKS LOOKS LIKE
 151 IT WAS PHYLLITE RATHER THAN A SCHIST.
 152 999
 153 265.0 297.0 20 4L6
 154 WEAK [3G48]
 155 CREAMY, PALE GREEN MUSCOVITE> CHLORITE, NONCALCAREOUS, SOFT TO
 156 MODERATELY SOFT PHYLLITE. DOMINANTLY PS2 FOLIATED BUT LOCALLY
 157 HAS QUARTZOSE LITHON TEXTURE. GRADUALLY BECOMES GREENER DOWN
 158 HOLE - LOCAL S2 FOLIA ARE MEDIUM GREY - PARENT ASSUMED TO
 159 BE MEDIUM GREY NON CALCAREOUS PHYLLITE.
 160 NO META TUFF/VOLE BANDS.
 161 LOWER CONTACT WHERE PHYLLITE TURNS GREY - LOCAL RUSTY CROSS
 162 CUTTING FRACTURES AND S2 FOLIA. INTACT, RECOVERY OK.
 163 297.0 307.0 21 3G08
 164
 165 MEDIUM GREY, MODERATELY SOFT, PS2 FOLIATED, NONCALCAREOUS
 166 PHYLLITE. LOCALLY WITH SLIGHTLY GREENISH TINGED BANDS - ALSO
 167 CHLORITE SELVAGES ALONG QUARTZ VEINS - S2 FOLIA GOOD GREY COLOUR.
 168 INTACT, GOOD RECOVERY.
 169 999
 170 307.0 309.0 22 3B\$
 171 & BIO
 172 MEDIUM GREEN, GENERALLY HOMOGENEOUS WITH MINOR VAGUE GREEN BANDING
 173 CHLORITIC PHYLLITE - CONTAINS QUARTZ-DOLOMITE FOLIAFORM BANDS -
 174 MINOR PARCHY BIOTITE DEVELOPMENT. INTACT.
 175 999

176 309.0 321.4 23 5C3
 177 (5C\$) (3G0) 45:45:10
 178 STRONGLY FOLIATED, MEDIUM GREY WITH IRREGULAR ANASTOMOSING

179 CHLORITE LAMINAE ALONG S2 - WELL FOLIATED LEOPARD ROCK. CORE IS
 180 UPPER 2' POKER CHIPPY, INTACT BELOW THAT.
 181 999
 182 321.4 322.9 24 5C0
 183 & 3
 184 MEDIUM DARK GREEN, FINE GRAINED, HOMOGENEOUS METABASITE WITHOUT
 185 TYPICAL 3B COLOUR OR BANDS - BOTTOM 6" IS LIKE UNIT 23;
 186 INTACT.
 187 999
 188 322.9 335.6 25 3G0
 189
 190 PS2 FOLIATED, MEDIUM GREY, NONCALCAREOUS PHYLLITE WITH MINOR
 191 SMALL DISSEMINATE PYRITE GRAINS IN THIN QUARTZ LAMINAE - APPEARS
 192 TO BE MINOR GREEN CALC-SIL MATERIAL ALSO ASSOCIATED WITH
 193 QUARTZOSE LAMINAE. CORE IS INTACT.
 194 999
 195 335.6 338.0 26 3B3
 196 BIO MINOR (3G0) 60:40
 197 MEDIUM DARK GREEN, HOMOGENEOUS WITH QUARTZ CALCITE, MEDIUM GREEN
 198 CALCITE SILICATE MINERAL BEARING BANDS - INTACT.
 199 999
 200 338.0 339.0 27 3G0
 201 CALC-SIL MINOR
 202 DOMINANTLY PS2 FOLIATED, MODERATELY SOFT, MEDIUM GREY, NON-
 203 CALCAREOUS PHYLLITE. LOCAL MINOR QUARTZOSE BANDS AND LITHONS
 204 UP TO 2CM THICK. COMMONLY WITH MINOR MEDIUM DARK GREEN CALC-
 205 SILICATE (ACTINOLITE?). LOCAL QUARTZ CHLORITE VEINS ALONG S2 -
 206 LAMINATED IN SHADES OF GREY - NO PORPHS SEEN. MODERATELY
 207 BROKEN TO INTACT - A FEW SHORT RUBBLY ZONES.
 208 999
 209 399.0 401.0 28 3B3
 210 BIO (3G0) 70:30
 211 10 CM 3G BAND NEAR TOP OF OTHERWISE MEDIUM DARK GREEN WITH
 212 BROWN TINT, HOMOGENEOUS, CHLORITE PHYLLITE - CONTAINS QUARTZ-
 213 CALCITE BANDS, ONE OF WHICH CONTAINS MINOR EPIDOTE. INTACT.
 214 999
 215 401.0 410.8 29 3G0
 216
 217 MODERATELY SOFT, MEDIUM GREY, PS2 FOLIATED, NONCALCAREOUS
 218 INTACT. MINOR QUARTZOSE BANDS WITH EVEN MORE MINOR POSSIBLE
 219 CALC-SILICATE MINERAL.
 220 999
 221 410.8 417.5 30 3G9
 222
 223 MEDIUM DARK GREY TO DARK GREY, NONCALCAREOUS, SOFT, PS2 FOLIATED
 224 PHYLLITE. MINOR, FINE DISSEMINATED PYRRHOTITE ASSOCIATED WITH
 225 QUARTZ BANDS. INTACT.
 226 999
 227 417.5 432.0 31 3G0
 228 (3G9) MINOR (10Q0) MINOR
 229 TYPICAL PS2 FOLIATED, SOFT, MEDIUM GREY, NONCALCAREOUS PHYLLITE.
 230 417.5'-426.0' INTACT
 231 426.0'-432.0' VERY BROKEN TO RUBBLY, BUT RECOVERY OK
 232 999

233 432.0 456.0 32 3G9
 234 & \$ MINOR (3G0) 85:15
 235 DARK GREY, MODERATELY HARD TO MODERATELY SOFT, GENERALLY "NON-
 236 CALCAREOUS" PHYLLITE. SOME SHORT INTERVALS DISPLAY " DOLOMITE
 237 FLASH". LOCALLY CONTAINS MEDIUM DARK GREY QUARTZOSE LITHONS AND
 238 BANDS. WHERE PRESENT THESE ARE UP TO 1CM THICK, CONSTITUTE UP

 239 TO 70% OF CORE AND EXTEND FOR INTERVALS OF UP TO 3'. VERY
 240 LOCALLY QUARTZOSE BAND CONTAIN MINOR DOLOMITE. MINOR DISSEMINATED
 241 PYRITE IN QUARTZOSE BANDS AND CROSS-CUTTING FRACTURES. 3G0 IS
 242 MEDIUM GREY PHYLLITE FOR INTERVAL 440'-444'. QUARTZOSE BANDS
 243 ALSO HAVE DISSEMINATED PYRRHOTITE. CORE MODERATELY BROKEN TO INTACT.
 244 NO CORE LOSS/NO MAJOR FAULTS.
 245 999
 246 456.0 497.0 33 3G0
 247 & \$ MINOR
 248 MEDIUM GREY, SOFT, GENERALLY NONCALCAREOUS, PS2 FOLIATED
 249 PHYLLITE. CONTAINS INTERVALS UP TO 10CM THICK WHICH WEATHER
 250 TO A DULL RUSTY BROWN - THESE INTERVALS CONSISTENTLY EXHIBIT
 251 SUBDUED FIZZING IN BOTH 10% AND 20% HCL. ALSO WEATHERS RUSTY
 252 ORANGE ALONG S2 FOLIA (DISSEMINATED SULPHIDES?). COLOUR
 253 STRIPED IN SHADES OF GREY ALONG PS2 FOLIA ORIENTATION. MINOR
 254 LITHONS (QUARTZ-DOLOMITE) IN UPPERMOST 1' OF UNIT. CORE INTACT
 255 EXCEPT FOR BROKEN ZONES; 471'-474' AND 495'-496'. RECOVERY OK.
 256 999
 257 497.0 528.0 34 3G93
 258 1 (3F0) (3G0) 80:10:10
 259 DARK GREY TO BLACK, PS2 FOLIATED, MODERATELY HARD TO HARD,
 260 CARBONACEOUS PHYLLITE. CONTAINS MEDIUM DARK GREY QUARTZ-CALCITE
 261 BANDS UP TO 20CM THICK. THESE ARE HARD AND REACT EASILY TO HCL.
 262 SOME ARE CALCITE-RICH ENOUGH TO BE THIN MARBLE BANDS. (SHORT
 263 SILICATED 3F0 BIOTITE IN SILICATE BOUDINS AT 511'). COMMONLY
 264 THE BANDS ARE PS2 FOLIATED - LOCALLY THEY HAVE MICROLITHONS.
 265 DISCONTINUOUS, FINE, STREAKY PYRITE LAMINAE PARALLEL TO S2
 266 FOLIA AND IN CROSS-CUTTING FRACTURES. UNIT CORRELATES WITH
 267 CALCAREOUS-CARBONACEOUS MT MYE BENEATH CHAMP ZONE AND
 268 GRUM NW EXTENSION (I.E. DDH FAGA086).
 269 497.0'-499.0' INTACT
 270 499.0'-501.0' BROKEN AND RUBBLY, RECOVERY OK
 271 501.0'-508.0' INTACT
 272 508.0'-511.0' VERY BROKEN AND RUBBLY, 70% RECOVERY, NO GOUGE
 273 511.0'-528.0' BROKEN WITH MINOR RUBBLE ZONES.
 274 NO MAJOR FAULT NOTED.
 275 999
 276 528.0 558.3 35 3G3
 277 CALC-SILICATY & BIO
 278 MEDIUM GREY TO MEDIUM DARK GREY, MODERATELY SOFT TO MODERATELY
 279 HARD, CALCAREOUS PHYLLITE. EXCLLENT MICROLITHON TEXTURE.
 280 LITHONS QUARTZ-CALCITE AND MEDIUM GREEN CALC-SILICATE
 281 (ACTINOLITE). BIOTITE LOCALLY PRESENT IN VERY CALC-SILICATE
 282 RICH INTERVALS. FINE, STREAKY, DISSEMINATED PYRITE ALONG S2
 283 FOLIA AND IN CROSS-CUTTING FRACTURES.
 284 528.0'-528.5' REGROUND CORE OF CARBONATE FAULT BRECCIA - NOW
 285 RUBBLE - RECOVERY OK (?)
 286 528.5'-558.3' INTACT
 287 999
 288 558.3 601.0 36 3G9
 289 & 1

290 DARK GREY TO BLACK, NONCALCAREOUS, MODERATELY HARD TO HARD,
291 CARBONACEOUS PHYLLITE. CONTAINS THIN MEDIUM DARK GREY QUARTZOSE
292 BANDS PARALLEL TO S2. UNIT PS2 FOLIATED. SECTIONS OF PHYLLITE
293 ARE VERY HARD AND SMOOTH CUTTING SURFACE - REMOVES METAL -
294 NO ALWAYS ASSOCIATED WITH ABUNDANT QUARTZOSE BANDS. STREAKY,
295 DISSEMINATED PYRRHOTITE LMAINAE AND FINE DISSEMINATED PYRRHOTITE
296 IN QUARTZOSE BANDS. AT TOP AND BOTTOM OF INTERVAL, SEE MINOR
297 GREEN ACTINOLITE (?) IN QUARTZOSE BANDS. UPPER AND LOWER CONTACTS
298 PARALLEL TO S2. CORE ESSENTIALLY INTACT.

299 999
300 601.0 631.5 37 360
301 &3 &9 CALC-SILICATY BIO
302 MEDIUM GREY TO MEDIUM DARK GREY, MODERATELY HARD, PS2 FOLIATED
303 PHYLLITE. CONTAINS ABUNDANT QUARTZOSE BANDS FLOODED WITH
304 GREEN ACTINOLITE (?). QUARTZOSE BANDS LOCALLY CONTAIN SOME
305 CALCITE. BIOTITE DEVELOPED IN CALC-SILICATY INTERVALS PATCHILY.
306 CONTAINS DARK GREY TO BLACK INTERBANDED INTERVALS. LOCALLY
307 HAVE GOOD LITHON TEXTURE. CORE INTACT. DISSEMINATED PYRRHOTITE
308 ALONG S2 FOLIA.
309 999
310 631.5 634.1 38 3693
311 [3F9] & CALC-SILICATY
312 DARK GREY, MODERATELY HARD, CALCAREOUS PHYLLITE OR PHYLLITIC
313 CARBONACEOUS MARBLE. MARBLE AS THIN DARK GREY BANDS IN PHYLLITIC
314 MATRIX. INTERVAL IS (OBVIOUSLY) VERY CALCAREOUS. LOCALLY
315 SOME DEVELOPMENT OF ACTINOLITE IN ESPECIALLY QUARTZOSE BANDS.
316 GENERALLY PS2 FOLIATED - SOME MINOR LITHON DEVELOPMENT. STREAKY,
317 FINE PYRRHOTITE DISSEMINATED ALONG S2 FOLIA. CORE INTACT.
318 999
319 634.1 667.0 39 369
320
321 DARK GREY, MODERATELY HARD, NONCALCAREOUS, CARBONACEOUS PHYLLITE.
322 DISTINCTIVE PS2 STRIPING BETWEEN THIN MEDIUM GREEN BANDS TO DARK
323 GREY CARBONACEOUS BANDS, ALTERNATING ON MM SCALE. MINOR
324 DISSEMINATED PYRRHOTITE.
325 634.1'-637.5' CORE INTACT
326 637.5'-649.0' CORE VERY BROKEN - POKER CHIPPY WITH 50% RECOVERY
327 649.0'-652.0' S2 DISRUPTED WITH ABUNDANT QUARTZ-CALCITE
328 FRACTURE FILLS - RECOVERY OK - ENDS WITH INCIPIENT GOUGE
329 652.0'-667.0' CORE POKER CHIPPY (VERY BROKEN) - RECOVERY 50%
330 FOR 653'-658', FROM 658'-67' RECOVERY APPEARS OK
331 999
332 EOH
333 999