

003634

1 0.0 38.0 1 #

2

3

4 999

5 38.0 50.3 2 5B62

6 \$ MINOR (SD\$84) 90:10

7 MEDIUM DARK GREY, SOFT PS2 FOLIATED, GENERALLY NONCALCAREOUS

8 PHYLLITE MINOR THIN DOLOMITE BANOS CONTAINING THIN TAN WREATH

9 DOLOMITE-CHLORITE-PHYLLITE BANDS UP TO 10 CM THICK PARALLEL

10 TO S2 - MODERATELY TO STRONGLY BROKEN - NO MAJOR CORE LOSS

11 NO FAULTS - 50 IN LOWER PORTION OF INTERVAL

12 999

13 50.3 99.3 3 5A19

14 MINOR (10Q\$)

15 HARD TO MODERATELY HARD DARK GREY TO BLACK NON CALCAREOUS (BUT

16 SHOWS "DOLOMITE FLASH") CARBONACEOUS SILICEOUS PHYLLITE CONTAINS

17 QUARTZOSE "SILTSTONE" LITHONS AND BANOS COMMONLY WITH FINE

18 DISSEMINATED PYRITE ALSO STREAKY DISSEMINATED PYRITE LAMINAE

19 PARALLEL TO S2 FOLIA NO CALCAREOUS SILICATES NOTED

20 TOI-67 = INTACT/67-98 =

21 VERY BROKEN WITH RUBBLE 10Q AT 83.5-87/70-77 = 1' RECOVERED

22 OTHERWISE RECOVERY APPROXIMATELY 90%

23 999

24 99.3 134.8 4 5B6\$

25 (5B0 CALC SIL) 97:3

26 MEDIUM GREY TO DARK MEDIUM GREY, MODERATELY SOFT, LITHON BEARING

27 PHYLLITE - TAN WEATHERING DOLOMITE QUARTZOSE BANDS AND LITHONS WELL

28 DEVELOPED - 1' AT 108' HAS CALCITE AND GREEN CALCAREOUS SILICATE MINERAL

29 IN LITHONS - UPPER CONTACT SHARP LOWER GRADATIONAL AND ARBITRARY

30 CARBON BREAK, 1 PYRITE PORPHROBLAST - INTACT TO LOCALLY

31 MODERATELY BROKEN. 113-122 = 5' RECOVERED OTHERWISE RECOVERY OK.

32 NO FAULTS.

33 999

34 134.8 175.7 5 5B62

35 \$

36 DARK GREY, MODERATELY SOFT TO MODERATELY HARD, NONCALCAREOUS

37 PHYLLITE WITH ABUNDANT TAN WEATHERING (WHITE WHEN FRESH) DOLOMITE

38 SILTSTONE BANOS AND LITHONS - 1' AT 153 WITH CALCITE AND CALC-

39 AREOUS SILICATE GREEN (AS AT 108') - MINOR SUBHEORAL PYRITE PORPHS AND

40 LESSER PYRRHOTITE, 2 SMALL CHERT NODULES NOTED - CORE IS MODERATELY

41 BROKEN, NO FAULTS, RECOVERY OK

42 999

43 175.7 204.0 6 5B6@

44 \$MINOR

45 MEDIUM DARK GREY, SOFT TO MODERATELY SOFT, STRONGLY LITHONED NON-

46 CALCAREOUS PHYLLITE - LITHONS SLIGHTLY HARDER - TAN WEATH (WHITE

47 FRESH) BARELY FIZZ IN 20% HCL - WEATHERING SUGGESTS \$ BUT NOT GOOD

48 \$ REACTIONS LITHONS APPROXIMATELY LITHONS 1/2 OF UNIT, CORE INTACT,

49 LOCALLY SLIGHTLY BROKEN, LAST 1' = BROKEN 10Q # CHLORITE

50 999

51 204.0 220.0 7 5B62

52 @

53 MEDIUM DARK GREY TO DARK GREY, MODERATELY HARD TO HARD, STRONGLY

54 LITHONED PHYLLITE, MEDIUM GREY GRANULAR QUARTZOSE LITHONS WITH COARSER

55 TAN SPOTTING (NON FIZZ CARBONATE) SEPARATED BY BLACK PS2 FOLIATION

56 NON CALCAREOUS, INTACT, LOWER CONTACT ARBITRARY, TAN LITHON AND

57 CARBON BREAK

58 999

59 220.0 234.5 8 5B6
60 CALCAREOUS SILICATES MINOR
61 SOFT MEDIUM GREY NON CALCAREOUS PHYLLITE QUARTZOSE LITHONS WITH
62 VERY MINOR DISSEMINATED ACTINOLITE (?) - LITHONS IMPART BANDING
63 IN SHADES OF GREY
64 999
65 234.5 247.0 9 5B20
66 \$a
67 DARK GREY TO BLACK, MODERATELY HARD TO HARD, LITHONED CARBONACEOUS
68 PHYLLITE CONTAINS DOLOMITE, CALCITE AND ANKERITE IN TAN
69 WEATHERING ABUNDANT (35%) QUARTZOSE SILTSTONE, LITHONS AND BANDS
70 (OFF WHITE WHEN FRESH). INTACT RECOVERY OK
71 HARD LITHONS ALTERNATING WITH SOFT PHYLLITIC FOLIATION AS USUAL
72 999
73 247.0 289.8 10 5B5
74 \$MINOR
75 SAME AS UNIT #8 BUT WITH MINOR DOLOMITE BANDS AND A FEW CALCITE -
76 PYRRHOTITE PORPHS, CCRC INTACT, RECOVERY GOOD, VERY MINOR CALCAREOUS
77 SILICATE WITH DOLOMITE BEARING BANDS
78 - GOOD BANDING AND LITHONS
79 999
80 289.8 295.3 11 5B6
81 84 89
82 AS ABOVE ROCKS BUT WITH LIGHT CREAMY GREEN MUSCOVITE-CHLORITE INTERVALS
83 WITH ABUNDANT QUARTZ, PYRITE, SPHALERITE IN VEINS AND ON
84 FRACTURES - THIS IS BUGGERED WALL ROCK NOT ORE LITHOFACIES
85 SPLIT/RECOVERY OK
86 999
87 295.3 323.7 12 5B6
88 CALCAREOUS SILICATE MINOR -> (5B64) 90:10
89 MEDIUM GREY SOFT TO MODERATELY SOFT, NON CALCAREOUS PHYLLITE
90 WITH QUARTZOSE BANDS CONTAINING DISSEMINATED ACTINOLITE POORLY
91 DEVELOPED LITHONS - MINOR RUSTY BROWN WEATHERING ALONG S2 FOLIAD
92 BOTTOM 3' IS PROGRESSIVELY BLEACHED TO LIGHT GREENISH WHITE
93 MUSCOVITE > CHLORITE PHYLLITE, SAME ROCKS AS UNIT 10 - TOI TO 301
94 VERY BROKEN MINOR RUBBLE AND GOUGE/ 301-304 INTACT TO MODERATELY
95 BROKEN/ 304-308 BROKEN WITH RUBBLE AND GORGE AND 70% RECOVERED
96 GOUGE MAINLY NEAR END - 308-EOI INTACT WITH WELL DEVELOPED FRACTURE
97 INFILLS AT 10-20 DEGREES TO CORE AXIS - LOWER CONTACT WITH ORE
98 IS MINOR POST S2 FAULT
99 999
100 323.7 326.0 13 4A45
101 BXA
102 BRECCIA OF CARBONATE AND QUARTZOSE AND 4L6 WEAK CLASTS IN
103 FINE GRAINED VAGUELY BANDED PYRRHOTITE AND BASE METAL MATRIX
104 SPLIT ORIGINALLY INTACT - RECOVERY OK
105 999
106 326.0 329.0 14 5A69
107
108 BLACK, MEDIUM HARD, PS2 FOLIATED, NON CALCAREOUS, CARBONACEOUS PHYLLITE,
109 STRINGERS FRACTURE FILLS OF PYRRHOTITE AND SPHALERITE ALONG AND CUTTING
110 S2 - SPLIT TRASHED, ORIGINALLY OK?
111 999
112 329.0 332.0 15 4A4S
113 BXA
114 AS ABOVE
115 999
116 332.0 336.0 16 4C3
117 (5B480) (4H4\$BXA)

119 IN 4H - PHYLLITE IS GREENISH CREAM, SOFT CALCAREOUS AND LITHONED
120 MAY BE CLASTS IN BRECCIA - THIS ENTIRE SULPHIDE SECTION MAY BE A
121 BRECCIA INTERVAL - SPLIT, TRASHED, ORIGINALLY OK?
122 999
123 336.0 344.0 17 5B20
124 &4 &8 CALCAREOUS SILICATES
125 DARK GREY TO BLACK LITHONED CALCAREOUS PHYLLITE QUARTZOSE AND
126 CALCAREOUS PLUS MINOR DISSEMINATED ACTINOLITE BANDS INTERBANDED WITH 1'
127 INTERVALS OF MEDIUM GREY TO MEDIUM GREENISH GREY CALCAREOUS, CALCAREOUS-
128 SILICATE PHYLLITE THAT MAY BE BLEACHED VERSIONS OF MORE CARBONACEOUS
129 PHYLLITE IN GRADATIONAL RELATION TO DARKER ROCKS APPROXIMATELY
130 50:50% LIGHT = DARK, CORE INTACT - MINOR BREAKAGE ALONG STEEP
131 FRACTURES LOWER CONTACT IS STEEP S2 FOLIAFORM BUT BROKEN.
132 UPPER CONTACT WITH 4H MAY BE A SMALL CHLORITIC FAULT
133 999
134 344.0 353.5 18 4C0
135 &3 &8 &9 MINOR
136 MICACEOUS QUARTZITE WITH PYRITE SPHALERITE AND MINOR MAGNETITE
137 IN BANDS PARALLEL TO S2 - CHALCOPYRITE IN MINOR AMOUNTS ALONG
138 CROSS CUTTING FRACTURES - MINOR THIN S2 PARALLEL BANDS OF 4L0 WEAK
139 TOT SULPHIDES 5% TO 40% VARIABLE PYRITE >> SPHALERITE THOUGH LOCAL BANDS
140 ARE SUBEQUAL
141 999
142 353.5 355.5 19 4E4a
143 -> 4Ka
144 APPEARS TO REPRESENT QUARTZ CARBONATE VEIN IN 4E WHICH IS BROKEN
145 UP DURING SULPHIDE FLOW - 4E VERY RICH IN BASE METALS SO THAT IT
146 DEVELOPS BIRDSHOT PYRITE MICROPORPHYROBLASTIC TEXTURE
147 (EQUIVALENT TO 4F) - SPLIT, OK ORIGINALLY
148 999
149 355.5 361.5 20 4C0
150 (4A0) 70:30
151 INTERBANDED 4A AND 4C EACH INTERVAL 6" TO 1.5" LONG ABUNDANT
152 SPLOTCHY PYRITE CROSS CUTTING S2 AND FILLING FRACTURES. UPPER
153 2" OF UNIT HAS CROSS CUTTING DOLOMITE QUARTZ CALCITE FILLED
154 FRACTURES RUNNING DOWN CORE AXIS TOTAL SULPHIDES APPROXIMATELY 15-20%
155 SMALL AMOUNT OF SPHALERITE. PYRITE MUCH GREATER THAN SPHALERITE
156 SPLIT, ORIGINALLY OK
157 999
158 361.5 362.5 21 4E4#
159 8 MINOR
160 BANDED MASSIVE PYRITIC SULPHIDE WITH DISSEMINATED CALCITE, HAS
161 HONEY COLOURED SPHALERITE, LIGHT PATCHES NOT BARITE HOWEVER
162 SPLIT ORIGINALLY OK
163 999
164 362.5 364.0 22 5A69
165 (4CC9 MINOR) 90:10
166 UPPERMOST PORTION IS STRONGLY FOLIATED QUARTZITE WITH MINOR BASE
167 METAL SULPHIDES, CHALCOPYRITE IN CROSS CUTTING FRACTURES, BELOW THAT
168 IS BLACK SOFT NON CALCAREOUS PHYLLITE WITH SOME SULPHIDE BANDING
169 SPLITTER INDUCED RUBBLE
170 999
171 364.0 372.0 23 4D38
172 (4L6 WEAK) MINOR
173 MINOR QUARTZ AND/OR ANKERITE CLASTS/AUGEN SULPHIDES WELL BANDED
174 PARALLEL TO S2, TOTAL SULPHIDES = 35-40%, LESS THAN 5% MAGNETITE
175 AS THIN STREAKS/PATCHES ALONG S2. SPLIT, ORIGINALLY OK.

176 999
177 372.0 374.5 24 4680
178 \$ MINOR (4E0\$ MINOR) 70:30

179 12% MAGNETITE AS THIN STREAKS ALONG S2 - HONEY COLOURED SPHALERITE -
180 4E IN UPPER PORTION WITH FLESH COLOURED DOLOMITE, VAGUELY BANDED
181 SPLIT, INTACT ORIGINALLY
182 999
183 374.5 376.7 25 5A61
184 9
185 MODERATELY HARD TO HARD BLACK CARBONACEOUS PHYLLITE WITH S2
186 PARALLEL BANDS OF DISSEMINATED PYRITE IN QUARTZ - LACKS GRANULAR
187 RIBBON BANDING AND "CHARTY" BANDS OF 4A - SPLITTER INDUCED RUBBLE
188 999
189 376.7 381.5 26 4D3\$
190 MINOR 8 MINOR (4L6WEAK42) (5A19) 95:05:05
191 DOMINANTLY PYRITIC QUARTZITE WITH MINOR GREEN CREME PYRITIC AND
192 SPHALERITE BEARING MICACEOUS BANDS AND THIN HARD CARBONACEOUS
193 PHYLLITE BANDS, LESS THAN 5% MAGNETITE AS THIN STREAKS TO BANDS.
194 DOLOMITE AS FLESH AUGEN/CLASTS TO BANDS, COARSER THAN
195 OTHER MINERALS AS USUAL - SPLIT, ORIGINALLY INTACT
196 999
197 381.5 389.5 27 3G91
198 6 -> 5A19 (4L246 WEAK) (4H42 BXA)
199 INTERBANDED UNITS 6" TO 3" LONG OF ABOVE ROCK TYPES, CONTACTS
200 OBSCURED BY SPLITTING, SPLIT, RUBBLY, 4L HAS S2 FOLIAFORM
201 PYRITE SPHALERITE AND CROSS CUTTING CHALCOPYRITE IN FRACTURES
202 999
203 389.5 472.0 28 3G0
204
205 MEDIUM GREY, SOFT, NON CALCAREOUS, PS2 FOLIATED PHYLLITE WITH
206 MINOR AMOUNTS OF QUARTZOSE BANDS TO POORLY DEVELOPED LITHONS.
207 NO CALCAREOUS SILICATES VISIBLE. HAS RUSTY (DRIED BLOOD RED)
208 WEATHERED STREAKS ALONG S2, LAST 2' IS MAINLY QUARTZ VEIN MATERIAL
209 ALONG S2. MINOR PYRRHOTITE PORPHS - INTACT TO MODERATELY
210 BROKEN TO 409' / 409 - 410.5 = GOUGE LOWER APPROXIMATELY PARALLEL
211 TO S2, BUT MAINLY INDETERMINATE. RECOVERY OK
212 410.5 - 432.0 IS INTACT TO MODERATELY BROKEN / 432.0-436 BROKEN
213 MINOR RUBBLE, MODERATE INDETERMINATE GOUGE, RECOVERY OK
214 436 - 441 MODERATELY BROKEN BUT RECOVERY IS OK / 441-448.5 VERY
215 BROKEN TO RUBBLY, NO GOUGE BUT 70% RECOVERY ONLY / 448.5 - 451.6
216 VERY BROKEN RECOVERY OK / 451.6 - 462 1/2' RECOVERED, NO GOUGE, VERY
217 BROKEN CORE MINOR REORILLED 10Q / 462-468 = BROKEN, RECOVERY OK
218 468 = 1/2' OF GROUND UP DOLOMITE VEIN / 468-472 = MODERATELY TO
219 VERY BROKEN, RECOVERY OK
220 CALLED 3G0 RATHER THAN 5B6 SINCE STRONGLY PS2 FOLIATED
221 999
222 472.0 568.0 29 5A6
223 &1
224 NON CALCAREOUS - MEDIUM HARD TO HARD - CARBONACEOUS PHYLLITE,
225 DARK GREY TO BLACK - STONG "DOLOMITE FLASH" - LOCAL SMALL BLACK
226 CHERT NODULES - PS2 FOLIATED BANDED IN SHADES OF DARK GREY TO
227 BLACK PARALLEL TO S2 ON MM UP TO CM SCALE
228 472-494 = MODERATELY TO STRONGLY BROKEN LOCAL RUBBLE APPROXIMATELY
229 80% RECOVERED / 494-498 = VERY BROKEN 50% RECOVERED / 498-520 = VERY
230 BROKEN TO RUBBLY - NO GOUGE - 80-90% RECOVERED / 520-528 = RUBBLE
231 AND INDETERMINATE GOUGE 1' OUT OF 8' RECOVERED - 165/
232 528-535 = VERY BROKEN MINOR

233 GOUGE 60% RECOVERY/535-565 = GOUGE AND RUBBLE 8'/25' RECOVERED
234 999
235 568.0 570.0 30 5D4*
236 GOUGE
237 PALE CREAMY WHITE, MINOR FUCHITE, TOTALLY INDETERMINATE, RECOVERY
238 APPROXIMATELY 80% BUT QUESTIONABLE

239 999
240 570.0 576.0 31 3G
241 GOUGE
242 GREY NON CALCAREOUS GOUGE WITH 10Q @ BANDS IN GOUGE RECOVERY
243 APPROXIMATELY 50% - MAJOR FAULT ZONE 535-576
244 999
245 576.0 600.5 32 3G93
246 1 & CALCSILICATY (3F9) MINOR
247 GENERALLY DARK GREY, LOCALLY BLACK, MODERATELY HARD TO HARD,
248 LITHONED QUARTZOSE PHYLLITE CONTAINING SEVERAL BANDS OF FINELY
249 CRYSTALLINE CARBONATE MARBLE (3F9) - SLIGHTLY TO MODERATELY CALCAREOUS
250 LITHONS WITH LOCAL MINOR DISSEMINATED ACTINOLITE - CORRELATES WITH
251 CARBONACEOUS CALCAREOUS PACKAGE IN UPPER MT MYE HERE. UPPER
252 CONTACT IS 5A*/TIE FAULT TYPE BRECCIA FOR 3" WITH
253 FRACTURING AT 40/00C LOWER CONTACT OF UNIT IS CALCITE, BREAK INTACT
254 999
255 600.0 624.0 33 3G9
256 81 & CALCAREOUS SILICATE
257 SIMILAR TO ABOVE BUT NO CALCITE IN QUARTZOSE BANDS, & CALCAREOUS
258 SILICATES = DISSEMINATED ACTINOLITE - QUARTZOSE BANDS CONTAIN
259 DISSEMINATED PYRRHOTITE AT 622, HAVE 1' THAT IS 3F9, CORE IS INTACT
260 999
261 624.0 643.0 34 3G0
262 CALC-SILICATY & 3 VERY MINOR BIOTITE
263 MEDIUM TO MEDIUM DARK GREY GENERALLY NON CALCAREOUS, MEDIUM SOFT
264 PHYLLITE ABUNDANT QUARTZOSE BANDS CONTAIN DISSEMINATED CALCAREOUS
265 SILICATE & BIOTITE GIVING AN ALMOST 3D LOOK IN GREEN AND BROWN
266 INTERBANDING BUT NOT QUITE THERE. INTACT
267 999
268 643.0 648.0 35 3F9
269
270 DARK GREY TO BLACK, MEDIUM HARD TO HARD, PS2 FOLIATED CARBONACEOUS
271 FINELY CRYSTALLINE CALCITE MARBLE WITH PHYLLITIC INTERBANDS, FIZZES
272 VIOLENTLY. INTACT
273 999
274 648.0 768.0 36 5A19
275
276 DISTINCTIVE STRIPED LIGHT GREY AND BLACK WITH BLACK GENERALLY MORE
277 MICACEOUS FOLIA PS2 STRIPED, NON CALCAREOUS BUT CONSISTENTLY
278 HAS "DOLOMITE FLASH" HARD BUT CAN BE SCRATCHED WITH KNIFE.
279 DISSEMINATED PYRRHOTITE (1-2%) ALONG S2 FOLIA AND IN CROSS CUTTING
280 FRACTURES. LIGHTER STRIPES ARE MICROLITHONS ->CS2 BUT TOO SMALL.
281 CORRELATES WELL WITH CNR GREATER THAN 76.04 AND 02. PYRRHOTITE
282 WEATHERS AS RUSTY SPLOTCHES ON CORE. INTACT
283 CORE HAS WHITE OR BLUISH WHITE FINE GRAINED SECONDARY MINERAL GROWING ON
284 CUT SURFACE. DISSOLVES IN HYDROCHLORIC ACID DURING "DOLOMITE FLASH"
285 BUT NOT CLEARLY THE CAUSE OF IT. LOOKS LIKE SMITHSONITE AND ON
286 CLOSE INSPECTION THE QUARTZOSE BANDS MAY HAVE MINOR VERY FINE
287 DISSEMINATED SPHALERITE BUT HARD TO BE SURE. FINE DARK MOTTLING
288 ON DARKER BANDS NEAR END OF HOLE NOTED BUT CAUSE UNKNOWN - COULD
289 BE ANDALUSITE???

290
291

768 = EOH
999