003801

```
  0.0      21.0        1        #
OVERBURDEN - TRICONED/NO CORE
999
 21.0      65.0        2       3G8

MODERATELY SOFT, MEDIUM GREY-GREEN, NEARLY PS2 FOLIATED, HOMOGENOUS,
NONCALCAREOUS, CHLORITE-MUSCOVITE PHYLLITE.  MINOR LIGHT GREENISH
GRANULAR QUARTZOSE BANDS FORMING LITHONS AND MICROLITHONS - ALSOP
FORMS PS2 BANDS.  S2 FOLIATION SURFACES ARE SILVERY GREENISH GREY -
DOMINANTLY GREY.  LAST 5' HAS INCREASING QUARTZ BANDING WITH
INCREASED DISSEMINATED GREEN ACTINOLITE(?) WITH NOTICIBLE BIOTITE
IN THIS INTERVAL.  GREEN MINERAL MORE NOTICABLE DOWNHOLE FROM
50'.  DISSEMINATED AND FRACTURE BOUND PYRRHOTITE AND ROCK MODERATELY
HARD IN LAST 5'.  MODERATELY BROKEN TO POKER CHIPPY - NO GOUGE/
RECOVERY OK.  COULD BE MINOR FAULT BETWEEN UNIT 2 AND 3, 15 DEGREES
TO CORE AXIS.  SLICKS RAKE 70 DEGREES - ALMOST DOWN DIP.
999
 65.0     133.5        3       3GO

MODERATELY SOFT TO SOFT, MEDIUM GREY, PS2 FOLIATED, NONCALCAREOUS
PHYLLITE.  SLIGHT GREY AND WHITE BANDING PARALLEL PS2.  SMALL
AMOUNT THIN QUARTZOSE BANDS.  QUARTZOSE BANDS - WHEN PRESENT - ARE
LIGHT GREY.  MODERATELY BROKEN/NO GOUGE/RECOVERY OK.  LIGHT GREY
TO GREENISH GREY INTERVAL 118-122' - POSSIBLE ALTERATION AROUND
RUBBLE ZONE.
999
133.5     151.0        4       3G9
&1
MODERATELY SOFT TO MODERATELY HARD, DARK MEDIUM GREY TO MEDIUM
GREY, NONCALCAREOUS, PS2 FOLIATED.  DIFFERENT FROM UNIT #3 BY
DARKER GREY INTERVALS AND HARDER MORE QUARTZOSE INTERVALS.  DARK
GREY PHYLLITE INTERLEAVED WITH MODERATELY HARD, MEDIUM YELLOWISH
GREY, QUARTZ RICH, CS2 FOLIATED PHYLLITE.  S2 FOLIA DARK GREY AND
SILVERY GREENISH GREY, RESPECTIVELY.  MODERATELY BROKEN TO INTACT/
NO FAULTS.
999
151.0     162.0        5       3F9
(3G93) 60:40
DAR GREY TO BLACK, MODERATELY SOFT TO MODERATELY HARD, SLIGHTLY
CALCAREOUS, HOMOGENOUS, PS2 FOLIATED PHYLLITE INTERLAYERED WITH
DARK GREY TO BLACK, HOMOGENOUS, PS2 FOLIATED, MODERATELY HARD,
CARBONACEOUS MARBLE.  NOT AS DISTINCTLY BEADED AS TYPICAL FOR
3F9.  CORE INTACT.
999
162.0     196.5        6       3GO

MODERATELY SOFT, NONCALCAREOUS, PS2 FOLIATED, MEDIUM GREY TO MEDIUM
GREENISH GREY BANDED PHYLLITE.  SOFT MEDIUM GREY PHYLLITE (UNIT
#3) INTERLAYERED WITH SLIGHTLY HARDER, GREENISH QUARTZOSE BANDS
WITH DISSEMINATED PYRRHOTITE AND ACTINOLITE (?).  10% GREENISH
BANDS 1/2" TO SEVERAL INCHES THICK.  SOME COMPONENTS AS IN UNIT
#3.  COUPLE OF CALCAREOUS BANDS IN TOP 15' OF SECTION.  MODERATELY
BROKEN TO INTACT/RECOVERY OK/NO FAULTS.
999
196.5     221.3        7       3GO2
(3GC) 80:20
NONCALCAREOUS, MODERATELY SOFT, MEDIUM GREY TO DARK MEDIUM GREY,
HOMOGENOUS, PS2 FOLIATED PHYLLITE.  ONLY MINOR QUARTZOSE BANDS
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WHICH HAVE ACTINOLITE (?) AND PYRRHOTITE. 2" DARK GREY MARBLE
BAND AT 205.5'. CAN SEE MICROCRENULATIONS BETWEEN S2 FOLIA.
INTACT/RECOVERY OK. LAST 6" CRACKLE BRECCIA ASSOCIATED WITH
SMALL FAULT WITH ORIENT 40/090.
999
221.3 246.0 8 3GO
&1 BIOTITE MINOR
MODERATELY SOFT TO MODERATELY HARD, MEDIUM GREY, PS2 FOLIATED,
HOMOGENOUS, NONCALCAREOUS PHYLLITE WITH LOCAL BROWNISH BIOTITE
BANDS. SHORT SECTIONS MODERATELY HARD AND RICH IN QUARTZ-ACTINOLITE
LITHONS. BIOTITE ASSOCIATED WITH QUARTZOSE BANDS. SMALL HIGHLY
FLATTENED, BLACK CHERT NODULES. 80% PHYLLITE WITH 20% LIGHTER
GRANULAR QUARTZOSE BANDS WITH MODERATE LITHON TEXTURE. INTACT.
999
246.0 259.5 9 3G9

MODERATELY HARD TO MODERATELY SOFT, PS2 FOLAITED, NONCALCAREOUS,
DARK MEDIUM TO MEDIUM GREY PHYLLITE. MINOR QUARTZ-ACTINOLITE
LITHONS. LIGHT QUARTZOSE BANDING PARALLEL TO S2. OTHERWISE
HOMOGENOUS. INTACT.
999
259.5 273.0 10 3GO
[illegible]
MODERATELY HARD TO MODERATELY SOFT, BROWN TINGED TO GREY GREEN,
NONCALCAREOUS, BIOTITE-ACTINOLITE(?) PHYLLITE. HAS CARBON CONTENT.
ALMOST CALC-SILICATE BECAUSE OF WEAKLY BANDED TO PATCHILY BROWN
AND GREEN ALTERATION. PS2 FOLIATED. MORE CRACKLED BRECCIATE THAN
ENCLOSING UNITS - GREEN ON BROWN ASSOCIATED WITH FRACTURES. S2
FOLIA GREY WITH BROWNISH TINGE. MODERATELY BROKEN AND CRACKLE
BRECCIATED WITH CALCITE FILLING VEINS.
999
273.0 291.0 11 3G9
&3 MINOR (3FO &9 MINOR) 65:35
MODERATELY HARD TO LOCALLY VERY HARD, HOMOGENOUS, PS2 FOLIATED,
SLIGHTLY CALCAREOUS, MODERATELY CARBONACEOUS (DARK GREY TO LOCALLY
BLACK) PHYLLITE INTERLEAVED WITH MEDIUM GREY TO OFF-WHITE, MEDIUM
TO FINELY CRYSTALLINE MARBLE. MARBLE STRONGLY BANDED IN GREYS.
MARBLE IN 3 INTERVALS NEAR TOP, BOTTOM AND ABOVE CENTRE - 2 2/1'
LONG - COULD BE 1 MARBLE BAND FOLDED. MODERATELY BROKEN/NO FAULTS.
999
291.0 304.2 12 3GO

MODERATELY SOFT TO MODERATELY HARD, MEDIUM GREY, HOMOGENOUS, PS2
FOLIATED, NONCALCAREOUS, MEDIUM GREY, S2 FOLIATED. MEDIUM GREENISH
QUARTZOSE BANDS PARALLEL TO S2. MODERATELY BROKEN CORE/INTACT.
999
304.2 336.5 13 3GO
BIOTITE &3 MINOR CALC-SILICATY
MODERATELY SOFT TO MODERATELY HARD, PS2 FOLIATED TO FINELY CS2
FOLIATED, HOMOGENOUS, FINELY BANDED, GENERALLY NONCALCAREOUS,
BROWNISH GREY AND GREENISH GREY TO MEDIUM GREY BANDED PHYLLITE.
RESEMBLES UNIT #10 - HAS THE CALC-SILICATE GREEN AND BROWN BANDS
LOOK BUT NOT 3D. FEW INCHES MARBLE TOI/SCATTERED CALCAREOUS BANDS
ELSEWHERE. MODERATELY BROKEN TO INTACT. MINOR RUBBLE 331'.
50% BROWN DOMINANT/GREEN 15%/GREY 35%.
999
336.5 351.0 14 3F9

DARK GREY TO BLACK TO MEDIUM GREY, FINELY CRYSTALLINE, FINELY
LAMINATED, PS2 FOLIATED, MODERATELY HARD, CARBONACEOUS MARBLE.

SOME HARD, SHORT, BLACK INTERVALS OF SILICEOUS PHYLLITE. 4' VERY VUGGY AND POROUS - CALCITE LEACHED. MODERATELY BROKEN/LOCALLY POKER CHIPPY.
999
351.0 391.5 15 3GO
BIOTITE CALC-SILICATY
MODERATELY SOFT TO MODERATELY HARD, GREENISH GREY AND BROWNISH GREY BANDED, HOMOGENOUS, NONCALCAREOUS PHYLLITE. A FEW CALCAREOUS QUARTZ-ACTINOLITE(?) BANDS. PS2 FOLIATED. LIGHT GREY/DARK GREY PS2 STRIPPING (PRESSURE SOLUTION). GREEN-BROWN-GREY BANDING FROM ORIGINAL COMPOSITIONAL BANDING. GREENISH QUARTZOSE BANDS WITH BIOTITE SELVAGES. 20% GREEN BANDS, 40% BROWN, 40% GREY. SOMEWHAT WEATHERED ABOVE 360' - ORANGE BROWN S2 FOLIA. INTACT. OVERALL COLOUR MEDIUM TO DARK MEDIUM GREY.
999
391.5 430.2 16 3GO

MODERATELY SOFT TO MODERATELY HARD, NONCALCAREOUS, MEDIUM GREY, PS2 FOLIATED, HOMOGENOUS PHYLLITE. SPARSELY DEVELOPED, GREENISH GREY QUARTZOSE BANDS WITH MINOR DISSEMINATED GREEN MINERAL - ACTINOLITE (?) OR CHLORITE(?). WEATHERS ORANGE-BROWN ON S2 FOLIATION AND CROSSCUTTING FRACTURES - ALMOST TO BRICK RED COLOUR LOCALLY. S2 FOLIA DARK MEDIUM BLUE GREY WITH SILVERY LUSTRE. CORE MODERATELY TO LOCALLY VERY BROKEN WITH SHORT RUBBLE ZONES T RUN ENDS. NO GOUGE. 399-409' 5' CORE MISSING - OTHERWISE RECOVERY OK. NO VISIBLE BROWNISH BIOTITE TINGE.
999
430.2 533.0 17 3GO
CALC-SILICATY
MODERATELY HARD TO MODERATELY SOFT, HOMOGENOUSLY THIN BANDED SEQUENCE OF MEDIUM GREY MICACEOUS BANDS ALTERNATING WITH GREENISH QUARTZOSE-ACTINOLITE(?) BANDS AND MINOR BROWNISH BIOITE BANDS. NONCALCAREOUS. PS2 FOLIATED - S2 MICROLITHONS EVIDENT. BANDING PARALLEL TO S2. QUARTZOSE BANDS A FEW MM TO 1 1.2 CM WITH A FEW SECTIONS UP TO 30 CM. RICH IN QUARTZOSE BANDS. QUARTZOSE BANDS MODERATELY HARD. SUBSTANTIAL AMOUNT OF GREEN MICACEOUS OR FEATHERY MINERAL - A BIT OF PYRRHOTITE PRESENT. DISTINCTIVE BLUISH GREY AND BLUISH GREEN BANDED APPEARANCE (GREGG CORRELATES WITH SWIM LAKE DDH) BOITITE DEVELOPED PATCHILY - MAINLY IN GREENIS BANDS - SIMILAR TO UNIT #15. 512' FIRST OBVIOUS ANDALUSITE PORPHS ASSOC-IATED WITH GREY BANDS- ALSO PINK ANDALUSITE IN QUARTZ VEINLETS. NEARLY EUHEDRAL DARK GREY TO GREENISH OUTLINES IN GREY. 25% GREENISH BANDS, 70% GREY BANDS, 5% BROWNISH BANDS. S2 FOLIA DARK TO MEDIUM GREY - SILVERY LUSTRE. DIFFERS FROM 1D IN ABUNDANCE OF GREEN BANDING- ALSO FROM ORDINARY 3G FOR SAME REASON.
430.2-459 - VERY BROKEN WITH MINOR GOUGE - RELATED TO QUARTZ VEINS AND LATE FAULTS. LARGEST FAULT NEAR 450' - 30 DEGREES TO CORE AXIS
459-468 - MODERATELY BROKEN TO INTACT
468-523 - INTACT
523-524 - RUBBLE ASSOCIATED WITH QUARTZ VEINING ALONG STEEP MINOR FAULT
524-528 - INTACT
528-529 - INCIPIENT GOUGE TO RUBBLE
529-EOI - INTACT.
MINOR, MINOR BOITITE.
999

533.0 559.0 18 3GO
CALC-SILICATY &BIOTITE MINOR (3G9) 80:20
MODERATELY SOFT TO MODERATELY HARD. INTERBANDS DARK MEDIUM GREY,

NONCALCAREOUS PHYLLITE AND GREENISH GREY AND MEDIUM GREY PHYLLITE.
AS IN ABOVE UNIT. DIFFRENT MAINLY IN PRESENCE OF 20% SLIGHTLY
CARBONACEOUS DARK GREY PHYLLITE. PS2 FOLIATED. MINOR FOLDING OF
S2 FOLIATION. MINOR BROWNISH BIOTITE BANDS. MINOR EPIDOTE
ASSOCIATED WITH QUARTZ VEINLETS AND SWEATS. SWEATS HAVE LOCALLY
STRONG CHLORITE (?) (ACTINOLITE(?)) ASSOCIATED. MINOR PYRRHOTITE
DISSEMINATED IN GREENISH BANDS AND IN FRACTURES CROSSCUTTING
GREENISH BANDS. HIGHLY FLATTENED IN S2 FOLIATION PYRRHOTITE TRACE
CHALCOPYRITE NOTED. DARK GREY BANDING ON 5CM TO 50CM BASIS PARALLEL
TO S2. INTACT/RECOVERY OK. NO ANDALUSITE NOTED.
999
559.0 606.0 19 3GO
CALC-SILICATY &BIOTITE MINOR (10QD)
MODERATELY HARD TO MODERATELY SOFT, MEDIUM GREY AND GREENISH GREY
AND BROWNISH BANDED PHYLLITE. SIMILAR TO UNIT #17. PS2 FOLIATED,
NONCALCAREOUS, FEW CALCITE BANDS - LOOK LIKE VEINS. BULL QUARTZ
PARALLEL TO S2 HAVE ACTINOLITE-EPIDOTE ASSOCIATED WITH QUARTZ.
30% GREENISH BANDS, 10% BIOTITE BANDS, 60% GREY BANDS. FAIR
AMOUNT OF QUARTZ VEINING 566-569.5', 573-574 - PARTLY PARALLEL
S2 - CONTACTS NOT CLEAR.
TOI-576 - RUBBLY ASSOCIATED WITH QUARTZ VEINING - RECOVERY OK
576-EOI - INTACT
999
606.0 608.5 20 3G46
PYRRHOTITE, PYRITE
MODERATELY SOFT TO MODERATELY HARD, LIGHT BROWNISH GREY TO
MEDIUM GREY, NONCALCAREOUS, QUARTZ-MUSCOVITE-MINOR BIOTITE-
PYRRHOTITE-PYRITE PHYLLITE. PS2 FOLIATED. ALTERATION IMPOSED
ON SURROUNDING UNITS. PYRITE FLATENED LENSES PARALLEL S2.
PYRRHOTITE IRREGULAR MASSES ALONG AND CROSSCUTTING S2. 10%
SULPHIDES WITH PYRRHOTITE > PYRITE. PYRITE SHORT WEATHERED ZONE
AT TOI (2"). INTACT.
999
608.5 653.0 21 3GO
CALC-SILICATY & BIOTITE MINOR
MODERATELY HARD TO MODERATELY SOFT, MEDIUM GREY TO GREENISH GREY,
BANDED, NONCALCAREOUS, PS2 FOLIATED PHYLLITE. SIMILAR TO UNITS
UP DDH. QUARTZOSE BANDS ARE COARSER GRAINED SO HAVE DISTINCT
GREEN MOTTLED TEXTURE - LOCALLY BROWNIHS. MICROLITHON TEXTURE
IN GREENISH BANDS. SOME GREEN BANDS HAVE BIOTITE CONTENT REDUCED
NEAR FRACTURES - WASHED OUT NEAR FRACTURES. MINOR ANDALUSITE IN
S2 FOLIAFORM QUARTZ VEINS - NO ANDALUSITE OBVIOUS IN ROCK. 20%
GREEN QUARTZOSE BANDS/80% GREY. 20% OF GREENISH BANDS HAVE SOM
ASSOCIATED BIOTITE.
TOI-641.5 - INTACT WITH LOCAL RUBBLE
641.5-642 - MINOR RUBBLE ASSOCIATED WITH CRACKLE VEINLET -
PROBABLY LATE MINOR FAULT 45 DEGREES TO CORE AXIS
642-EOI - INTACT
ENTIRE UNIT WEAK QUARTZ FILLED CRACKLE. MINOR PYRRHOTITE LARGELY
IN POST S2 FRACTURES AND S2 FOLIAFORM QUARTZ VEINLETS. VEINLETS
ALSO HAVE ACTINOLITE-EDIPOTE-ANDALUSITE 1-10 CM THICK.
999
653.0 698.0 22 3F9
(3G9 CALC SILICATY &3)(3E1) 70:20:10

HARD, LOCALLY VERY HARD, DOMINANTLY MEDIUM TO DARK GREY TO LOCALLY
BLACK, FINELY CRYSTALLINE, PS2 FOLIATED, VARIABLY SILICEOUS AND
CARBONACEOUS MARBLE. INTERLEAVED WITH DARK GRYE/GREENISH GREY
BANDED, CARBONACEOUS, VARIABLY CALCAREOUS PHYLLITE AND MINOR BLACK,
HARD, SILICEOUS, PS2 FOLIATED PHYLLITE. 75% MARBLE. CORE INTACT
TO LOCALLY RUBBLY. MINOR PYRRHOTITE IN S2 PARALLEL BANDS IN

SILICEOUS PHYLLITES.
999
698.0 744.0 23 3G9
CALC-SILICATY &3 (3G916 MINOR->3E16 MINOR) 50:50
MODERATELY HARD WITH SOME MEDIUM SOFT BANDS, DARK GREY TO MEDIUM
GREY LOCALLY, VARIABLY CALCAREOUS - GENERALLY ONLY SLIGHTLY,
GREENISH GREY BANDED. PS2 FOLIATED WITH WELL DEVELOPED CS2 LITHONS
IN GREENISH, LOCALLY CALCAREOUS, QUARTZOSE BANDS. 20% EACH
CALCITE BEARING BANDS COMPRISE 1/3 INTERVAL - 1/2 GREENISH BANDS
HAVE CALCITE. MINOR PYRRHOTITE WITH QUARTZOSE BANDS - ALSO EPIDOTE.
BANDS EVEN COARSER THAN UNIT #21 - ARE SOME D2 FOLDED VEINLETS?
MINOR BIOTITE ASOCIATED WITH BANDS. DARK GREY TO BLACK PHYLLITE,
NONCALCAREOUS, PS2 FOLIATED, MODERATELY HARD, CONTAINING 1-3%
DISSEMINATED PHYRRHOTITE AS FLAT STREAKS ALONG S2 AND D2 FOLDED
STRINGERS AND ASSOCIATED WITH WHITE QUARTZOSE BANDS. INTACT -
LOCAL RUBBLY ZONES. BANDING OF MAJOR LITHOLOGIES 10 CM - 50 CM
BASIS.
999
744.0 747.0 24 3G9
CALC-SILICATY 3 (3F9)(3F91)
MODERATELY HARD TO HARD. VERY SIMILAR TO UNITS 23 & 22. LIKE
UNIT #23 WITH MARBLE INTERBANDED ON FEW CM TO 10'S OF CM BASIS.
INTACT. ANDALUSITE NOTED.
999
747.0 769.5 25 3G9
CALC-SILICATY &3 (3G9 1MINOR &6 PYRRHOTITE MINOR) 80:20
MODERATELY HARD, PS2 TO CS2 FOLIATED, DARK GREY, MEDIUM GREY,
GREENISH TO BROWNISH GREY BANDED, VARIABLY CALCAREOUS PHYLLITE.
LESS INTERBANDED DARK SILICEOUS PHYLLITE THAN UNIT #24, 20& THIN
IRREGULARLY DEFINED QUARTZ-ACTINOLITE-CALCITE-& EPIDOTE-&PYRRHOTITE-
&BIOTITE BANDS. BANDING ON FEW MM TO FEW CM SCALE. MINOR INTER-
LAYERED SILICEOUS, BLACK, NONCALCAREOUS PHYLLITE. INTACT, MODERATELY
BROKEN AT TOP. SLIGHT BLEACHED ZONE AT EOU - MUSCOVITE-QUARTZ
RELICT ANDALUSITE ASSEMBLAGE. SOME DARK BANDS HAVE ANDALUSITE.
999
769.5 779.0 26 3E16
-> 3G916
HARD TO MODERATELY HARD, NONCALCAREOUS, DARK GREY TO BLACK, PS2
FOLIATED, SILICEOUS PHYLLITE. DARK GREY/MEDIUM GREY COLOUR STRIPING
PARALLEL PS2. MINOR PYRRHOTITE AND SPHALERITE ASSOCIATED WITH
S2 PARALLEL QUARTZOSE BANDS/POSSIBLE VEINLETS. INTACT - LOCALLY
MODERATELY BROKEN WITH SHORT ZONES CRACKLE BRECCIA - INSIGNIFICANT
FAULTS 45 DEGREES TO CORE AXIS. TEXTURALLY SIMILAR TO NEXT UNIT
DOWN DDH.
999
779.0 789.5 27 3F9
(3G936)(3G916 MINOR) 80:15:05
HARD TO MODERATELY HARD, DARK GREY TO BLACK, PS2 FOLIATED,]
SILICEOUS, CARBONACEOUS MARBLE INTERLEAVED WITH BLACK, SILICEOUS
PHYLLITE SIMILAR TO UNIT 326, AND HARD, DARK GREY - BROWNISH GREY
BANDED PHYLLITE. BROWN BANDS SIMILAR TO QUARTZOSE BANDS IN UNITS

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290     UP DDH - GREEN NOT OBVIOUS - PYRITE PRESENT IN 1CM BANDS - VARIABLY
291     CALCAREOUS.  INTACT/CUT BY CALCITE-QUARTZ CRACKLE VEINLETS.
292     999
293     789.5     793.0       28       3E1
294
295     HARD, DARK GREY TO BLACK, PS2 FOLIATED, NONCALCAREOUS, SILICEOUS
296     PHYLLITE.  MINOR PYRITE MAINLY ALONG CRACKLE VEINLETS.  SIMILAR
297     TO ABOVE 3E1, UNIT #26.  BASICALLY INTACT, CRACKEL BRECCIATION.
298     MINOR FAULT EOI.




299     999
300     793.0     799.0       29       3E6
301     -> 3G9
302     MODERATELY SOFT, DARK GREY TO BLACK, PS2 FOLIATED, NONCALCAREOUS,
303     CARBONACEOUS PHYLLITE WITH ANDALUSITE PORPHS IN SOFTER, DARKER
304     BANDS.  INTACT.  HARDER AND LIGHTER COLOURED IN LAST 1/2'.
305     999
306     798.5     801.0       30       3D01
307     (10QO) 50:50
308     VERY HARD, CS2 FOLIATED, GREEN AND BROWN BANDED, CALC-SILICATES.
309     ASSOCIATED WITH ALTERATIONS, SILIFICATION OF OVERLYING UNIT AND
310     QUARTZ VEIN EQUALS 50% OF UNIT.  QUARTZ VEIN UNIT???
311     999
312     801.0     804.0       31       3B2
313     &3
314     MODERATELY SOFT, MEDIUM TO DARK, SLIGHTLY BLUISH GREEN, NONCALCAREOUS,
315     MODERATLEY PS2 FOLIATED CHLORITE-ACTINOLITE PHYLLITE.  IRREGUALR
316     CLACITE-EPIDOTE-ACTINOLITE-PYRRHOTITE-BIOTITE BEARING BANDS
317     REMINICENT OF 5D QUARTZ-CALCITE BANDS IN CENTRE OF UNIT.  INTACT.
318     SLICKERSIDES ON DARK GREEN FOLIATION SURFACES IN UPPER PART OF
319     UNIT.
320     999
321     804.0     855.0       32       3GO
322     &9 &CALC-SILICATY &1 &6 MINOR
323     MEDIUM TO MEDIUM DARK GREY, PS2 FOLIATED, MODERATELY SOFT TO
324     MODERATELY HARD, NONCALCAREOUS PHYLLITE.  GREENISH QUARTZOSE
325     BANDS/SMALL LITHONS IN LOWER 20'.  IN LAST 10? UNIT BECOMES
326     PROGRESSIVELY HARDER - GRADES INTO NEXT UNIT.  CUT BY QUARTZ-
327     CALCITE-&PYRRHOTITE CRACKLE VEINLETS.  INTACT - LOCAL RUBBLE AND
328     INCIPIENT GOUGE ZONES.  BASE-EOI HEAVILY CRACKLE BRECCIATED -
329     HIGHLY POLISHED SHEAR SURFACE 25 DEGREES TO CORE AXIS WIH SLICKS
330     MAKING 45 DEGREES.  GOOD SMALL DARK ANDALUSITE PORPHS.  WHERE
331     GETTING SILICEOUS GET DISSEMINATED PYRRHOTITE AND SPHALERITE
332     ASSOCIATED WITH QUARTZ BANDS.  CARBONACEOUS BANDS MAINLY IN LOWER
333     2/3.  MEDIUM GREY TO DARK MEDIUM GREY SILVERY S2 SURFACES.
334     999
335     855.0     859.5       33       3E16
336     MINOR
337     HARD, DARK GREY TO BLACK, PS2 FOLIATED, SILICEOUS, CARBONACEOUS
338     PHYLLITE.  DISTINCTIVE COLOUR BANDING PARALLEL TO S2 IN GREYS.
339     MINOR PYRRHOTITE.  SIMILAR TO 3E UPHOLE.  MODERATELY BROKEN TO
340     RUBBLY.  RECOVERY OK.
341     999
342     859.5     861.7       34       3D01
343     ?
344     VERY HARD, GREEN AND BROWN BANDED, PS2 FOLIATED, CALC-SILICATES?
345     BASICALLY IDENTICAL TO UNIT #30.  LOWER CONTACT STEEP FAULT 20
346     DEGREES TO CORE AXIS WITH SLICKS RAKING 45 DEGREES.  INTACT.
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999
861.7 882.0 35 3G9
CALC-SILICATY (3F9)(3E1) 70:29:01
MODERATELY HARD TO HARD, DARK GREY, MEDIUM GREY, MEDIUM GREENISH GREY DIFFUSELY BANED, VARIABLY CALCAREOUS PHYLLITE INTERLAYERED WITH BLACK, FINELY CRYSTALLINE, SILICEOUS MARBLE. MINOR BLACK-DILICEOUS PHYLLITE AS UNIT #33. GREEN QUARTZOSE BANDS HAVE ACTINOLITE-EPIDOTE-PYRRHOTITE-PYRITE-BIOTITE MINOR-QUARTZ. SOME COARSER CALC-SILICATY BANDS AS ABOVE - BANDS CM TO 10'S CM BASIS WITH DARK GREY TO GREY, PS2 FOLIATED PHYLLITE. INTACT - LAST 1' CRACKLE BRECCIA AND SMALL FAULT 45 DEGREES TO COAR AXIS WITH SLICKS RAKE 45 DEGREES. MARBLE MAINLY IN INTERVAL 864-875' WITH

MINOR BITS ELSEWHERE. RECOVERY OK.
999
882.0 892.5 36 3G0
BIOTITE CALC-SILICATY 7 MINOR
MODERATELY SOFT TO MODERATELY HARD, BROWNISH GREY AND GREENISH WEAKLY BANDED, PS2 FOLIATED, NONCALCAREOUS PHYLLITE. LOCAL GREY BANDS HAVE ANDALUSITE PORPHS. STRONG ASSOCIATION OF BIOTITE RICH BANDS JUST ABOVE MARBLE. INTACT. WEAKLY BANDED GREEN AND BROWN. MINOR PYRRHOTITE IN GREEN BANDS - ACTINOLITE > QUARTZ.
999
892.5 897.0 37 3F9

DARK GREY TO BLACE, HARD, FINELY CRYSTALLINE, CARBONACEOUS, SILICEOUS MARBLE. INTACT. STREAKY LENS TEXTURE - NOT REALLY BEADY.
999
897.0 901.2 38 3E16
MINOR -> (3E0)
HARD TO MODERATELY SOFT, DARK GREY TO BLACK, PS2 FOLIATED, HOMOGENOUS, CARBONACEOUS PHYLLITE. VARIES HARD AT TOP TO SOFT AT BOTTOM. INTACT. MINOR PHYYHOTITE. ANDALUSITE PORPHS PRESENT. RECOVERY OK. BOTTOM IS FAULT 30 DEGREES TO CORE AXIS WITH SLICKS AT 70 DEGREES. MINOR FAULT.
999
901.2 976.0 39 3G0
CALC-SILICATY ANDALUSITE &BIOTITE MINOR
MODERATELY SOFT TO MODERATELY HARD, PS2 FOLIATED, MEDIUM GREEN TO GREENISH GREY, NONCALCAREOUS, WEAKLY BANDED - OVERALL HOMOGENOUS. ANDALUSITE BEARING &BOITITE, DARK MEDIUM GREY S2 FOLIA. ON FINE SCALE - SEVERAL MM TO CM INTERBANDING OF GREY AND GREENISH GREY PHYLLITIC AND QUARTZOSE LITHOLOGIES. GREEN BANDS HAVE DISSEMINATED ACTINOLITE (?). GREY BANDS SMALL DARK MOTTLING AFTER ANDALUSITE. SEVERAL S2 FOLIAFORM QUARTZ VEINS HAVE COARSE PINK ANDALUSITE WHICH PARALLELS MORE READILY VISIBLE ANDALUSITE PORPHYS. LOCAL BROWNISH CAST. CALC-SILICATY REFERS TO GREEN BANDS. INTACT.
999
976.0 984.7 40 3G48
+ GOUGE
MODERATELY HARD, GREEN, BROWN, GREY, NONCALCAREOUS, PS2 FOLIATED PHYLLITE. WEATHERS REDDISH BROWN LOCALLY - ESPECIALLY IMMEDIATELY ABOVE GOUGE. GRADUAL ALTERATIONS/GREENING OF ABOVE UNIT ADJACENT TO MAJOR GOUGE ZONE.
TOI-973.5 - MODERATELY BROKEN
973.5-EOI - GOUGE INDETERMINATE - RELATED TO FRACTURES AT 45 DEGREES TO CORE AXIS WITH SLICKS RAKING 75 DEGREES

INTEVAL STEEP RELICT QUESTIONABLE FABRIC. SLICKS ABOVE GOUGE RAKE 45 DEGREES ON STEEP FRACTURES. STEEP LATE FAULT. NO LITHOLIGY CHANGE SUGGESTS NOT A MAJOR STRUCTURE. RECOVERY OK.
999
984.0 1009.0 41 3GO
CALC-SILICATY ANDALUSITE BOITITE MINOR
MODERATELY SOFT TO MODERATELY HARD, MEDIUM GREY-GREENISH GREY BANDED, OVERALL HOMOGENOUS PHYLLITE AS ABOVE UNIT #39. LOCALLY EXCELLENT ANDALUSITE. MINOR PYRRHOTITE AND BIOTITE ASSOCIATED WITH GREENISH BANDS. INTACT/GOOD RECOVERY. SLIGHT GREEN-BROWN OVERPRINTING IN FIRST 10' - SIMILAR TO ALTERATION ZONE - POKER CHIPPY AND RUBBLY 992-993.5, OTHERWISE INTACT. ALTERATION ADJACENT TO FAULT MAKES ROCK RESEMBLE 3G CALC-SILICATY BIOTITE UPHOLE (UNITS ENDING AT 391' AND 336')
999

1009.0 1032.0 42 3G4
BIOTITE ANDALUSITE? (3B2) TRACE
VERY HOMOGENOUS, POORLY BANDED TO PATCHILY BANDED, MEDIUM GREY GREEN, NONCALCAREOUS, PS2 FOLIATED PHYLLITE. PATCHES AND POORLY DEVELOPED BANDS OF BROWN BIOTITE. LACK GREY BANDING OF SURROUNDING UNITS. CONTAINS ANDALUSITE RELICTS FLATTENED INTO S2. NEAR 1025' SLIGHTLY CALCITE BEARING ASSOCIATED WITH STEEP FAULT ORIENT 30 DEGREES CUT WITH SLICKS RAKING 70 DEGREES. APPEARS TO BE ALTERED PHYLLITE - APPEARS TO HAVE MINOR INTERBANDED 3B2 - ESPECIALLY NEAR FAULT ZONE? PATCHY, HARD, SILIFICATION - PARTICULARLY NEAR BROWN BIOTITE RICK. REMINDS US OF LIGHT GREEN PS2 FOLIATED ROCKS IN CNR76-01 ABOVE 3F. HERE MORE BLUE GREY TINGE. INTACT TO LOCALLY MODERATELY BROKEN NEAR MINOR SHEARS. S2 FOLIA GREENISH GREY WITH NOTICABLE BIOTITE - LOOKING MORE SCHISTOSE BECAUSE COARSER.
999
1032.0 1058.0 43 3GO
CALC-SILICATY ANDALUSITE BOITITE
SAME AS UNIT #41. ANDALUSITE MINOR BIOTITE. GREEN QUARTZOSE BANDS ALTERNATING WITH GREY PHYLLITIC BANDS. INTACT. S2 FOLIA GREY - LOCALLY COARSER TEXTURE BECOMING MORE SHCISTOSE.
999
1058.0 1070.5 44 3G90
CALC-SILICATY BIOTITE ANDALUSITE
MODERATELY SOFT TO MODERATELY HARD, MEDIUM DARK GREY-GREEN BANDED ROCK. ESSENTIALLY SAME AS UNIT #43 WITH DARKER, GREY PHYLLITIC BANDS. INTACT.

999
1070.5 1207.0 45 3GO
CALC-SILICATY ANDALUSITE BIOTITE &GARNET MINOR
MODERATELY SOFT TO MODERATELY HARD. FINELY BANDED PARALLEL TO PS2 IN SHADES OF MEDIUM GREY AND LIGHT GREENISH GREY, NONCALCAREOUS PHYLLITE. TOI DOMINANTLY GREY WITH LESSER GREENISH AND BROWNISH BANDS. AS GO DOWNHOLE BROWNISH BANDS BECOME MORE ABUNDANT - AT EOI BIOTITE REGULAR COMPONENT GREENISH BANDS. GARNET OCCURS SPARSELY AT 1100'. AT 1160' START TO SEE BIOTITE PORPHS. GOOD ANDALUSITE IN QUARTZ VEINS - COARSE. BY EOI - GREY PHYLLITIC S2 FOLIA WITH PATCHES OF BIOTITE - HEADED TOWARD SCHIST BUT NOT THERE. CORE INTACT. POSSIBLE 3C INTERBANDED - 4" AT 1170'. MINOR RUBBLE AT 1093', 1151', 1194-1195'.
999

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461      EOH
462      999
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