TENAS

019494

M81130 Δ8172,

August 10 Sunny, warm but too windy.

Les Smith arrive in RR with Withhorn - left for Watson Lake 8:00 AM JWM mapping Tenas

Base Line on Tenas is 140N

M81130 - prob. Float on L565E at approx 159N.

L576E 155N S_2 = 70°/55°N - C.g. morning SC

plotter JWM

TENAS NOTES

580E/
151N
(152)

beginning of outcrop in open slope - unit is 5B1 - relatively rich in silica ē qtzite locally. unlike 5B observed around

S_2: 70°/44°W // S_0?

Faro. variably calcareous

M81131 sample of unit with small speck of galena

break in slope occurs at 150N.

where exposed dominant lithon symm is Z looking SE, S sym observed but Z is def. dom. ∴ S looking NW.

S_2: 75°/25°W

plotted JWM.

580E
154N
(153)

S_2: 100°/40°W - here 5B is much more calcareous allmost to → SE

Samples M81131 with small splotches of galena in qtz - carbonate veins.

plotted JWM.

M81132

two samples of 5A + this is exposed in the backside outcrop on line 580E at 154+50N total thickness where exposed is at least 3m. contact with 5E is grossly // to S_2

plotted JWM

- No more outcrop until 156N on 580E.

M81133 sample of 4L1 outcrop located within 5C + 36? at ∠ 580E, 157N

plotted JWM

M81134 - small scruffy outcrop located at 571+50E., 160N - 5B calc. phyllite. - possibly close to contact as some 5 phyllitic samples are non-calcareous

plotted JWM.

M8113, △8172

August 12 L535E

L535E
113N - intersects road here.

L535E/
121N - terrain is on a plateau
+ now starts to drop off into
swamp

L535E/
135N - any geochemical data
From 121N to 135N is
suspect because of the
low lying, boggy ground.

plotted
JWM

△8172 open slope with abundant
small, transported (locally) float
phyllite in grey-green-brown
variably calc. some horizons
very calc ⇒ 5E; some
samples look MH Myersh
(non-calcareous) overall unit
is 5B0, small QQO vein
located as well trending 220°.

plotted
JWM

L530E
154N - Walk up to 154N - open slope 152N-153N - over to 535E.

△8173 - Small sulfty float on open slope - calc. carbonaceous. Vangorda Fm. 5B23/5A2 - Float only - may not rep. O.C.

plotted JWM.

536E
156N - small boulder suspect it is outcrop of non-calcareous phyllite. prob 5B6 - would call 5B untill other outcrop in vicinty are determined.

plotted JWM

△8174 non-calcareous chloritic phyllite - excellent phyllite PSZ - defn Mt Mye equivalent. def outcrop below massive 3c bluffs kink bands on S_2 170°/50 plunge S_2: 80°/53° S outcrop location uncertain because pickets on L540E have station # weather off. check with Dupont for location

plotted JWM

△8175 S_2 = 98/49° S plotted
S_2 100°/45°S

S_2 98°/57°S plotted. taken in
Mt. Mye phyllites.
5C in contact with 36
although not observed - implied
by close proximity.
5C is dominant - massive
generally non-calcareous - minor
pieces react to 10%. - generally
very massive.
36 - very ex. chlorite - non
calcareous phyllite.

plotted JWM

△8176
- Mt Mye - non-calcareous
phyllite - - siliceous / qtzite
appearance = grit.? excellent
phyllitic sheen.
S_2 = 90°/57°S

plotted JWM.

NOTE LINE STOPS AT 177N

L540E

166+80N - Small, broken-up o.c. of non-calcareous phyllite of 3G good 3G

PLOTTED JWM.

541+20E 166N - Small Float = outcrop of 3C.

PLOTTED JWM

Δ8177 massive Foliation S_2 3C well exposed, generally non calc. amph. feldspar?

plotted JWM

S_2 40°/35°SE

S_2 60°/38° SE ✓

S_2 70°/32°/SE ✓

445 paces to baseline on 545E

445 - Small OC Δ8179

224 From Δ8179 - Small O.C. Calc phyllite.

264 - From Δ8174 - road.

- should map From BL TO TOP ROAD AS THERE IS OC ALONG LINE & ROAD.

plotted.

M8H35 - SD? small stubby outcrop - very dense.

plotted JWH.

50 (250 ft) paces from BL along S45E

60 (300') paces from BL along projection of S45E - more small outcrops of SC.

plotted JWH.

M81135, △8178.

August 13

plotted JWM.

L530E / 112+55N - L530E intersects road.

L530E 122N - beginning of swamp - meadow (thick till cover) any geochemical results would be very suspect. meadow to approx 130N - thence gradual up slope till sharp break which occurs at 134+60N

plotted JWM

L520E 138N - walk across open slope to look for outcrop to L520E - none observed.

525+60E 142+40N calc phyllite - small scruffy o.c. in dry creek bed

S_2 = 90°/25°S

sym = S when looking NW - defn. 580

plotted JWM

L540E
150+80N - ROAD crosses line to
75-1, 75-2

DDH 15-01 located at ≈ 539+10E, 153+80N
- cat scrapings around drill hole suggest close proximity to 5A. - Quick and rocky look at borehole indicated predominantly Vangorda lith (5B, 5A) - last 3 boxes (100' of core) is on calcareous and comes after 5A intersection. - hole may have traversed contact - but really too short to give a definitive answer. would suggest stepping back 2-300 feet on section and drill deeper.

L545E ROADS - AT 222 paces from B.L
- AT 180 paces from B.L

plotted

△8178 cat scuffings along road indicate Vangorda Fm - although it is difficult to find calcareous horizons - enough found to suggest 5BO.

plotted JWM

△8179 S_2 : 88°/31°S
once again as in ~~...~~ △8178 - minor calc. horizons present suggest 5B as opposed to 5B6 or 36.
S_2 : 90°/45°S

plotted.

L 550E 154+40N road crosses over L550E.

△8180 - small cat scuffing of 5A9 locally to poor 4AO py spha? samples for Zinc Zap

plotted

L 550E 153+50N small scuffing outcrop of 5E family carbonaceous thought

plotted JWM

L544E 141+30N — outcrop of 5B - 80% of which has 000 dom in outcrop - locally appears graphitic. Overall good calc. chlorite phyllite

plotted JWM

L549E 139N - outcrop on edge of moose meadow of 5C. some 5D locally interbanded but 5C dom.

plotted JWM

L550E 130+80 leaving moose meadow.

552+30 127N outcrop of 5C massive calc with minor 5D interbedded at top of outcrop (100'± downslope) Sample of 5D JM81135, Small OC at 550+50E 126+80N of 5C

$S_2 = 90°/60° S$ = // 5C/5D contact.

plotted JWM.

L550E ROAD AT 115N

plotted JWM

Access road to T Lake at 325' 65 paces along conn'l RD.

M81136

August 14 △8181

in town all morning & part of afternoon - re drilling & cabin etc.

△8181 outcrop of SD

plotted $S_2 = S_1$? = 60°/60° N ! ✓
50°/45° N !

90 paces (450') total length of outcrop.

?

100' along outcrop exposure - SD

S_2 = 65°/vert dips very between N+S

$S_{3,4}$? - 40°/40° N

width of SD = 80' with SC massive amygdule. metabasalt

M81136, △8182

August 15

△8182A blue-grey weathering grey-green calcareous phyllite - this is an excellent exp. of 5BO ⇒ 5EO? - outcrop does not appear rich in chlorite.

NO structure except S_2 (PS2) outcrop is downslope on back side of ridge.

$S_2 = 100°/32° W$

Plotted Jwr

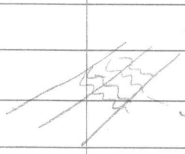
△8182B small exposure of of 5B calcareous - these small outcrops are very calcareous - more so than 5B ~~to~~ to the east there are prob 5E bands rather than 5B

S_2: 85/43° ~~W~~ S

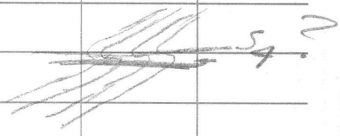
Looking W sym is down S, although S_1 is often 90°

Plotted Jwr

to S_2 making sym
Fluctuate

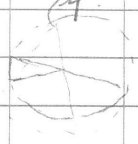


△8183 F_4? = 255°/13° plunge.
these Folds are
S sym looking NW
in S_2



Folded Qwm

S_4 should have an approx
strike of 145°
S_2 here is approx.
100°/17° S



dominant lithology
here is SD with SC
structurally above SD

△8184 S_2 : 68°/65° N ✓

$S_{3,5}$? : 15°/28° W

$F_?$ = 52°/ 20° plunge.
also $L_?$ of some
attitude.
- this may be either 3 or 5
possibly F_3?
- outcrop is 5D
SAMPLES M81136 (2)
well laminated, calcareous
Fine grained.

Plotted JWN

* last outcrop on ridge
above is 310' from
131 N

L 560E 130N beginning of Moose Meadow
Swamp.

L 560E 132N road crosses line.

L 560E 133N - end of meadows.

Plotted JWN

BL(140N)
555+60 - road cross 140N.

140N
557E - Swamp begins.

L555E - 129 paces from BL
intersect drill access
road
swamp/moose meadow
begins to end approx
400 paces from BL.

Plotted JWM

L555E 256 paces From BL.
2nd road to 75-02
crosses line.

Plotted JWM

L555E - 329 possible Small
Subcrop (Float) of 36
(non-calc. phyllite)

Plotted JWM

L555E - 456 paces Small subcrop
of grey-green non-calcareous
phyllites - somewhat silicious
+ "gritty" appearing

Plotted JWM

L555E

476 paces - outcrop of good grey-green non calcareous phyllites of Mt. Nye.

plotted jwm

$S_2 = 65°/45°S$

L555E

560 paces N. line ends - walk over to L550E & down.

△8185

outcrop of mass siliceous - fine - med. grained metabasalt.

- Sample M81137 -

plotted jwm

S_2: 78°/38°W. - this really unlike any meta-volcanics occurring within upper section

- distinctive dk-brown to rust weathering, contains abundant py + po

has a shaly like ring when hit by hammer - not a dull thud as in

5C - this may represent a fundamental change in the ~~p~~ plumbing system.

plotted JWM

O.C located approx 600 paces N on L555E & 60 paces W towards L550E

- above outcrop extends over to L550E, 169N

L550E 173N - small outcrop on line of 3C - as is sample M81137.

plotted JWM

L550E 175N - small o.c. micaceous silvery-brown weathering phyllite - Mt. Nye

plotted JWM

L550E 180N - old fireline crossing Line?

L550E - goes to at least 192N
- start hitting granodiorite
boulders at 185N
- no outcrop.

plotted JWH

- NEED EST OF LINE
CUT ON TENAS.

~~549~~E - small outcrop - non
159N calc. phyllite = Mt. myers
dry as a fart with 10%
HCl

plotted JWH

$S_2 = 80°$/ vert.

L550E - Mt myers looking
157 scruffy O.C.

L550E
153N - black carb /s

plotted JWH

147N - road.

AUGUST 16/81

THUNDER PICKLE CREEK AREA

COOL, CLOUDY + WINDY.

Basalt on top knobs various small outcrops SC (man. ck.)

S_2 = 73°/32°N taken in SB.

GORGE ON THUNDER PICKLE CK.

Predominantly Vangorda fm phyllites at top of gorge - progressing down section into calc-silicates - some graphitic sections but these appear to be minor. Float indicates more graphitic horizons than actually observed in outcrop. presumably some SE bands are locally present as well. S_2 appears mostly flat (horizontal

with local but shallow dips to the S. towards the top of the section walked. SCI is certainly volumetrically dominant which ⇒ Menzie ck. - however locally there appears to be thin horizons (3-8m) of calcareous phyllites which would suggest some of that which is mapped as Menzie ck - may in fact be Von Fon.

Sulfides in gossan are massive vein type po, py, galena which do not appear to be bedded in fact two exposures were seen where the sulfides appear to overcut strat (S_2 in one case)

Sulfides generally

coarse textured ~~sm~~ in a qtz-carbonate matrix. The vein type nature of the sulfides does not in itself rule out a strat-form deposit - there certainly are sulfides present here (at least 2 "vein" exposures were seen) in the correct stratigraphic setting. Thus this is still a good drill target which (other than the ~~&~~ gravity high to west of the creek) would have to be tested it like the other proposed holes would be somewhat stratigraphic in nature. The two holes drilled on the "Pelly" anomaly never got out of Vangorda

SD -

Spec. Freaky looked for bedded type of mineralization - particularly in any of the Graphitic looking horizons - some very small as well as thin, discontinuous seams found in carbonaceous, calcareous float.

AUGUST 17/81 COOL, RAINING - AREA A CAMP MOVE + IN TOWN

AUGUST 18/81 high overcast, warm + dry.

L565E/113N - end of line.

114N - plotted JWM. Road crosses line.

L565E 132+50N - road crosses line plotted JWM

Moore Meadow begins at 131N south of 133+50N

L565E 143+40N plotted JWM Lake edge.

L 565E
144+80 N - Lake edge.

145+50N road.

L 560E
144+60N - road crosses line

L 560E
142+80N - edge of swamp.

L 560E
145+80N - road cross

L 560E
147N - beginning of end of
swamp + moose meadow -
gradual upslope - data
would be suspect to
about 149N.

plotted JWM

L 555E
150N - SA float in steep
side slope.

△ 8186 - non-calcareous phyllite - very
Mt. Mye looking.

555E
156N - small scuffy outcrop -
float actually but
subcrop - green-green
non-calcareous Mt. Mye.
(marked previously)

plotted JWM

L565E
153N+20 road crosses line

75-02 out scuffings around drill site are carbonaceous, non calcareous phyllites - which may not be indicative of bedrock. 75-02 - L570E, 154+30N (approx)

plotted JWM

L570E/152N - small scuffy float on steep open slope - may represent O.C. non-calcareous chloritic phyllite.

plotted JWM

L570E/151+15N - Small subcrop at break in slope - carbonaceous fetid grey to black ls. similar to ls seen to the west on L550E.

plotted JWM

571E/151N - boulders = outcrop? of massive, grey SC - non-calcareous.

plotted JWM

△8187
368E+70
150N
plotted JWM

calcareous chloritic phyllite.
S_2 = 120°/48° SW

369E/
149+50N
plotted JWM

S_2 70°/22° S
calcareous phyllite.

L570E
148+20N - break in slope.

569E/
148+30N
plotted JWM

SE small nub of outcrop = subcrop.

569N
156N - Small subcrop exposure of non-calcareous phyllite.
plotted JWM - Float which is presumed to be close proximity to outcrop.

565E
160+8 - Small outcrop of brown to white weathering QQO - bull qtz.
PLOTTED JWM
Strong fracture pattern running at 340°/vert to easterly dip spacing of 1-3 cm.

563+80E
160+80N - small outcrop of non-calc. phyllite with Qtzites and qtz-carbonate horizons interbedded. - brown to tan weathering carbonaceous phyllite - either 5B6 or 36 - does not look like 5B.

plotted JWM

△8188 - several small outcrops of what may be a very siliceous mt. mye - often resembles a qtzite and can appear to have a certain detrital component. two samples marked △8188

plotted.

L 565E/
163N - sample M81138 - as in △8188 - Qtzite horizon with mt. mye brown to brownish red weathering ~~or~~ grey to black variably siliceous.

plotted JWM

L565E/178N - granodiorite outcrops beginning to show up.

L565E/182N "

L565E/193N - stops here at 193N

L565E/189N - trapline crosses here - used this winter fresh blazes & tags

572+20E/156+50N - Good exposure of Mt Nye - non-calc - grey-green phyllite. I think it may be mapped as Vangorda before

L570E/146N - edge of lake.

L570E/140/125N - edge of lake.

L570E
132 Swampy + end of
wood hedge.

L570E
123N Bluffs of 5C
extending east - from
line (123-125N)

plotted JWM

L570E
118N-119N as above

plotted JWM

△8189,
M81139

August 19 - TENAS

L570E/112N - Plotted JWM - CANOL RD intersects line.

△8189 Plotted JWM

S_2: 68° / vert.

$S_{345?}$ = 39° / vert

measurements taken in 5D - small, isolated exposure within massive 5C, 5D not continuous & contacts are quite erratic - does not necessarily follow S_2 fabric

August 20 - started making road

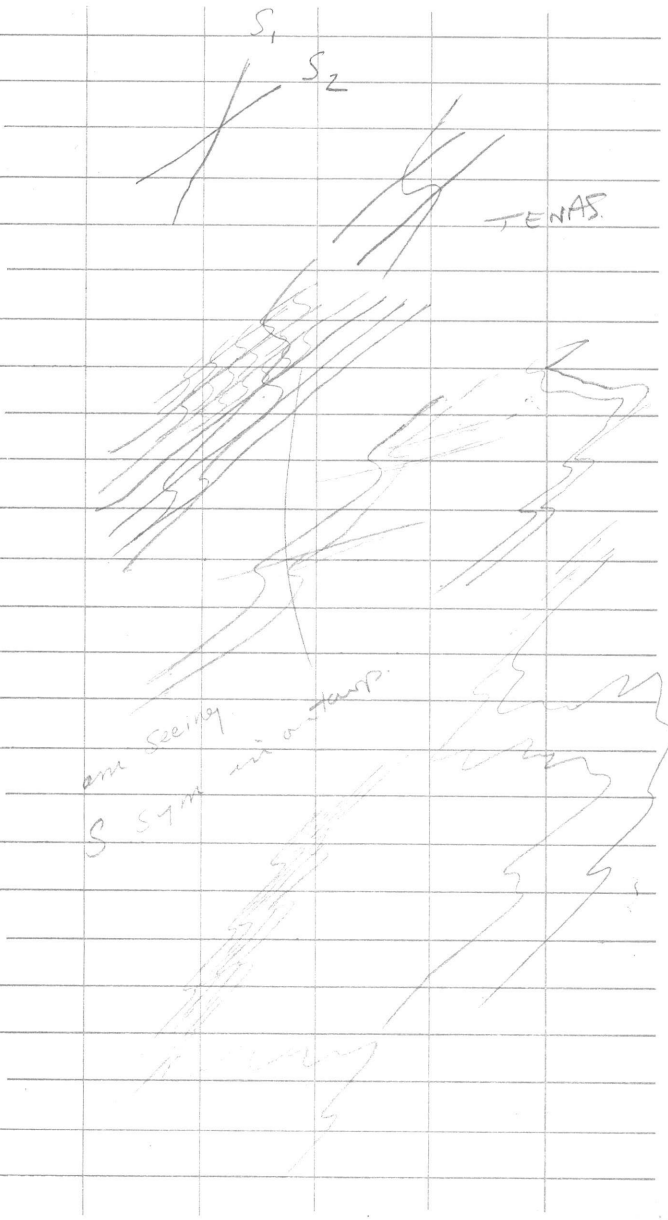
August 21

L570/123N to L580E/125N SC massive bluffs - no SD observed, van calc (actually extends from about 566E to 583+50E)
Plotted JWM

M81139 sample of SD equivalent - located within SC - not extensive
Plotted JWM

L580E/140+90N Plotted JWM edge of lake

L580E/143N edge of lake
Plotted JWM


S_1
S_2
TENAS.
am seeing
S STM

△8190 - small series of 5B calc. phyllite exposures along.
S_2 = 105/30° SW
S_2 : 105/28° SW
105/28° SW

plotted JWM

edge of lake - unable to see sym but suspect strongly there may be some outcrop not mapped on Dupont's map!
outcrop goes from 578+50E TO 575E. L575E is not chained on pickets.

L571E/ 151+50N - small nub = subcrop? of 5C?
plotted JWM

L580E/ 154N - 5B very calc carbonaceous appearing as well.

△8191 S_2 = 105/58° SW
579E/ 156N?
plotted JWM
Small o.c. of graphitic phyllite 5A0

L580E/ 159N - Mt. Nyge bluffs or

SB6 - $S_2 = 95° / 45° S$

minor carb. horizons -

will have to map this

area in more detail

later. - bluffs are extensive.

L550E/ 132N - SWAMP.

plotted JWM.

L590E 125N - bedrock outcrop of 5C - same.

plotted JWM

L590E 115+50N - Road.

August 22 - DAVE + Glenn in for most of day - finish (not quite) making road into drill sites. clicking on road etc.

August 23 Sunny + Warm - Cool at nights (Frost).

All plotted in WM

BL 500E - road crosses B/L

L505E/1401.50N - road crosses line

L530E/148N - road cross line

L520E/143N - road

L535E/150N - road.

△892 S_2 = 80°/43° SW

L_3? Lineation in S_2 : 200°/43° plunge.

plotted in WM

joint fabric: 345°/73°E may be equivalent to kink

bonding in outcrop just to NW. Outcrop here is def. calc silicate - prob equivalent to 3D47!
Sample Δ8192

Δ8193 small knob I on outcrop which is 4L? - it may be related to some proximal volcanics to the NW but - this looks like good 4L seen at Vongonda & Faro deposits.
plotted JWM

L580E/ 161N plotted JWM good 3D7 → 330
calc dune. S_2: 105/25S

578E 161N plotted JWM S_2: 103°/25°S
in 3C/5C small well fabricated outcrop.

Δ8194 - plotted JWM sample of muscovite - qtzite phyllite non-calc. c.g - m.g. strongly muscovitic resembles some 4L

type lithologies but
unlike good 4L
very well developed Lineation
in S_2 which is
actually a planar
Fabric

L_3? 95° / 75-80° N

generally weathers to
a silvery red on
lichen Free surface.

outcrop located at
580E, 162N, small
OQO here as well.

L580E/172N - increasing # of 10A
boulders.

L580E/174+50 10 outcrop begins.
- outcrop to at
least. 184 cut line.

plotted JWM

biotite, muscovite (andalusite)
grains extends from <580E/
17IN TO AT LEAST 600E

plotted JWM.

S_2 130/40°
138/38°

August 24 /81

Warm + Sunny -
cold nights
(Freezing)

Road is 1/2 paces: 580'
From 132N/L490E

August 25/81 - sunny & warm
hazy (smoke
thick in air)

573+25/
161N $S_2 = 85/35°S$
outcrop is def. non-
calcareous green-grey
chloritic phyllite.
plotted presumably Mt. Meye-
similar to that exposed
downslope.

571E/
165N small knob subcrop?
or possibly boulder
difficult to determine.
-calc- 3D47 possibly
an erratic because of
its relation to Mt Meye
units mapped downslope.
plotted S_2 20°/33°E
there are more small
knobs of outcrop
in some area

576+35E/
165N

plotted JWM

Small knob subcrop (outcrop?) non-calc. phyllite of Mt. Maye.

576E+50E/
165N

plotted JWM

Small knob (subcrop) of 5C/3C Van calc.

~~mag~~ med-to fine grained

577+50E/
165N

plotted JWM

good exposure of 5C/3C generally non-calc, looks like some of the 3D phyllitic units to the east but on fresh surface it is 3C/5C

S_2 = 105°/34°S

581+50E/
167N

plotted JWM

outcrop in side hill where maximum exposure begin of Variasey calc. phyllite unit not entirely calc. and looks like Mt. Maye.

may be that this is

ore calc. horizons
within Mt. Nye.
S_2 30°/35° NW !
- this may be slumped.

△8195 S_2 : 89°/27°S
98°/30°S

plotted JWM

axial plane: 50°/80°S of
$F_{3,4}$? wrt S_2
S_2 : 345°/12°E.

outcrop in 3047

△8196 plotted JWM - spotted phyllite.
S_2 = 80°/vert

△8197, JM81

August 30/81

S

△8197 S_2 = 90°/23° S

pronounced jointing = 145°/vert.

plotted JM81

S_2 = 80°/15°S

= 60°/45°S

in 5B

△8198 S_2 = 98°/36°S

S_2 = 89°/32°S

85°/25°S

plotted JM81

L_4? pronounced lineation/jointing.

= 165°/65° E as above

L_3 - distinctively earlier phase lineation on surface of S_2 trending 80°/30° dip in planar fabric

outcrop is previously mapped as 5B but possible close affinity with

3D567 - marble / limestone horizons locally in phyllitic members.

△8199 - small boulder of graphitic phyllite - maybe in place 5A outcrop here is 5D dom. with minor exposures of 5C

Plotted on map

△81100 S_2 - 110/37° S

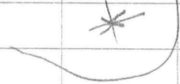
S_2 25°/37° NW

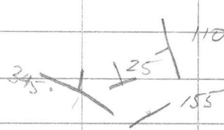
Plotted on map

$S_1 : S_0$?

S_2 = 345°/30° W

S_2 155°/16° W





possibly a synclinal structure here of post D_2 affinity - possibly may account for Mt. Muye in 77 hole in this vicinity.

outcrop here is dominantly 5C, minor 5D, 5E & 3G

Some non-calc phyllite present appear to structurally underlie 5C.

Z sym. dominant in this outcrop

△81101 S_2 - 90°/33° S

Small outcrop of 5B26 well laminated

plotted JWM S_2: 54°/48°S locally looks like 5A but prefer 5B26

△81102 -5D1 - siliceous 5D with characteristic green phyllitic sheen on weathered surface. Grad 4L1 in appearance - although I suspect the 4L like appearance is characteristic of the 5D in the Terrace area - especially when associated with 5C as it is here.

plotted JWM S_2 = 95°/75°

see sample △81102

post D_2 planar element 10°/80°E

Can see lithon structure in broken pieces but not in place.

S_2 = 90°/25°S

△81103 - Small outcrop / subcrop off end of large 3D? knob - sample - looks like 5 muscovite units or even like 1D non-carbonaceous. - not really correlative with any unit seen to date except possibly unit type higher upslope.

Plotted ✓ in map

dominant S fabric 90°/vert (not S_2)

S_2 120°/65°

S_2 : 125/52° SW - on steep slope above 77?

SEPT 4 - cool, cloudy.

- Finish logging 75-01

△81104 P. - new outcrop around ADD comp - very little in place exposure - mostly cat scuffings; unit is dominantly calc. phyllite (characteristic calc. sheen) but 5B6 horizons are quite common.

$S_2 = 70/25°S$

good lithon structure observed in float.

There may be some minor interlaminated 5D horizons within the overall seq. here.

Joint set 320°/80° E

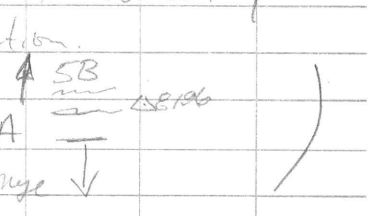
$S_2 : 72°/32°S$

△8196 - graphitic phyllite - very distinctive limonite stained within 5A - can't get fresh sample - appears to be skewed in outcrop - possible fault running through here - spread from 5A, very Mt. Nye looking chloritic phyllite - non-calcareous - small exposure

S_2: 600°/67° NE

total thickness of graphitic horizon here appears to be approx ≈ 4-5 m in true thickness

sample △8196 sample is immed above 5A (assuming the following strat section.



sample is a distinctive gritty appearing red-brown calcareous qtzite - not observed before on property. - if this unit is continuous (which i doubt) it would be a good marker horizon - possibly this is a equivalent interval of 5A at FARO?

△ 81105 $S_2 = 84°/40° S$ - new outcrop exposed in new alignment of road - def. non-calc phyllite - like that observed to the east of 5A further back on road towards camp - structures here appear complicated - but poor exposure do not allow adequate measurements. - should try and get cat to clean-ups along edge of road.

$F_{3,4,5}$? = 234°/42° plunge.

$F_{4,5}$? = 105°/8° plunge.
observed as small "wrinkle" folds - but may be the axis of larger folds in some area.
- def. Mt. Myr phyllites

ET81-01 S_2 = 111/40° S
plotted LWM
Here are Mt. Myr phyllites!

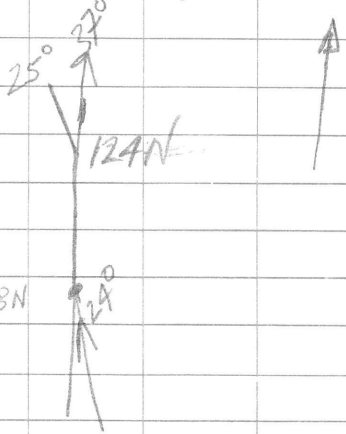
Cloudy & cool - rain

SEPT 7 / 81

— road crosses T base line at 1650 m E (i think) pickets different to read.

— line at 1500 m E
Flags on line read 1500E (1000N - first station north of base line)

1490E / 118N — new line leaves old line (1500E)



L490E/
110N end of line.

— road is 493+85 E
110N

488E/
126N in excellent well
dominated calc SD
S_1: 108/83° SW - local
S_1 attitude
S_2 in some outcrop
S_2 50°/ vert.
Strike appears locally
quite variable.
S_3 or S_4 = 140°/15°SW
cuts both S_1 & S_2
in outcrop & sample.

S_1: 60°/85° SE = S_2?

excellent structural relationships gives the following attitudes.

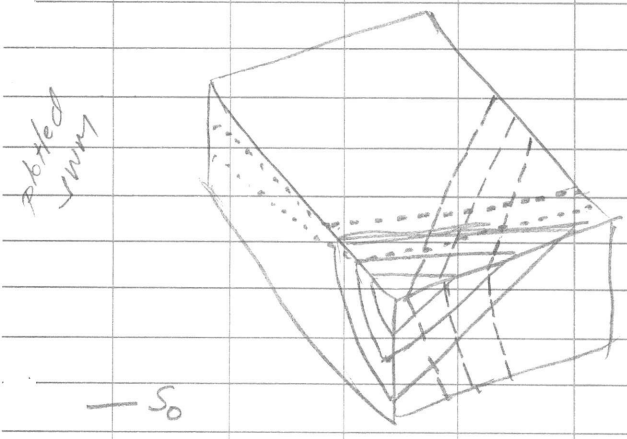
$S_1 \pm S_0$ = 98°/60°S

S_2 = 55°/55°SE

S_3 ? 95°/8°N

N

thus.



— S_0

- - - - S_2

..... S_3

this observed in one good exposure - S_2 transposes S_1 dominantly in outcrop, S_2?

is a very penetrative
Foliation in this outcrop -
in fact it often
resembles S_2 because of
its strength

F_3? = 155°/5° plunge.

much of outcrop just
west of L490E is overlain
by massive SC -
in fact walking outcrop
out to the west one
encounters nothing but
SC. - if this were chopped
hopped much of the SD
of course would not
be seen.

photographs.

certain horizons contain
what appears to be
"clastic" component or
"breccia" component
- see sample.

Sept 8/81 | △81106, NWM81141

5C outcrop beside road

S_2 = 60°/63° NW

Plotted NWM

S_0 = 340°/46° W

S_2 = 45°/10° NW

there observed in 5D which is well laminated and in contact with 5C

492+20E/129N - road curves around above outcrop

Plotted NWM

497+50E/132N - road come in from R.

496+50E/132N - 5C outcrop

494+80E/132N - 5C outcrop.

△81106 S_2 = contact between 5D/5C : 65/68° S

△81107 - This outcrop is dominantly SC - but SD interlaminated horizons are not totally uncommon.

S_2: 10°/58° SW

S_2 78/43° NE

T B/L at 1050 mE
- SC small bits + bobs.

Bearing: 301

Sept 12/81

- road around swamp to 81-01 would have to switchback up hill to at least 175N then down hill - would have to start from 25-01
- Carlos carrying rods out to hole for other drill.

Sept 13/81

- Reggie Wolfe in to do some cat skinning on roads etc -
- getting more rods for other drill.

SEPT 14/81 △81108, JM81141

△81108 outcrop is predom. 5B6, but there is small horizon of calc phyllite = 5E or 5B0 - suggests that unit as a whole is 5B6 and not 360

plotted JWM

△81109 - cat scuffings mostly 5B6 good phyllite - but commonly interbedded 5E2, and some graphitic horizons which not too extensive.

plotted JWM

△81110 - 5A1 - this unit actually is 4A0 without sulfides. - similar to that seen in drill core. & observed on road east of camp. - this is not like some of graphitic phyllite - but very siliceous - qtzite

plotted JWM

△81111 - outcrop along road here is dominantly Ver. calc. SC with minor SD associated with it. Unit appears very phyllitic and distinctly diff from some of the massive SC units seen thus far. SA is not siliceous & non-calc.

Plotted in WM

Plotted in WM

WOP BASE LINE INTERSECTS IT L50SE/ 152+50N

298° is BEARING

△81112 outcrop of PO with massive siliceous SC very distinctly diff from other metabasalt - thus characteristically weathers rusty brown to black. S_2 140°/60°S

Plotted in WM

<S20E
1537
50N

6 Gome [illegible].

SEPT 15/81

- cut road to 4575E

- 5B6, S_L = 100°/30°S

not plotted on map

at set-up for ET81-02

- two boulders of OQO with galena - 5% in fractures & veins - med. grained - somewhat like galena bearing massive quartz of Faro

SEPT 16/81 | 81113
M81141

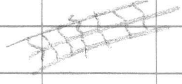
plotted jwn BL/
493+20E - cut line crosses
BL at 215°

5B0 / minor 5C assoc in
o.c.

plotted jwn 478+65E
132N S_2: 80°/42°S
small knob.

L475E
129N 5B6, locally 5B0
S_2 = 84°/38°S
plotted jwn contact with massive
5C units is close
here

474E/
128N in 5D S_2 = 84°/30°S
S sym in outcrop
plotted jwn but S_0 + S_2 almost at
90°



	0 - 5B			
95	[illegible] - 5D		95	
475	95 - 5D			
895	179 - cut line 460 E at 125N			

Profile

△81113

SEPT 17/81 M81141

L475E 150N - cut line having bearing of 205 crosses L475 line.
plotted JWM

L475E 155N - B/L at 300° intersects line.
plotted JWM

L490E 164N - Open slope - extensive bethen lain - thick fill observed

495E 170N - Small outcrops of massive po bearing, siliceous 3C
plotted JWM

S_2 = 160°/50W

∠490E

1540' - B/L intersects.

10' 300°

SEPT 19/81

428E/103N outcrop of 5C but minor (20% of outcrop) 5D interlaminated - some ex. chloritic phyllite ~~&~~ very strong S2

S_2 = 90°/Vert.

located at break (small) in slope beside old Canal Rd.

Rotated Jun

L445E ends at 107N

L445E/115N road.

140
14

54