Poker T. Washington

March 18 '10 (1)

MSW 121 N60E 80NW med gr banded biotite qtz feldspar gneiss ledge in creek, slt and pepper text strong foliation or gneissosity, WP 261 of 845
"Pin Stripe" N 37°07.082 W079 43 893

MSW 122 area of disturbed (2) ground, running cedar possible grave sites WP 262
N 37 07 055 W 79 43 885

MSW 123 spring at break in (3) slope = bed rock/sap interface 028 spring to visitors center, qtz feldspa mica gneiss blocks WP 263
N37°07.072' W:79° 43.843'

(4)

MSW 124 large block of corse amphibolite at corner of garden WP 264
N 37 07 064 W 079 43 801

(5)

MSW 125 cobbles of coarse gran gneiss (basement as well as amphibolite in Field at WP 264
N 37 07.062 W 79 43 782
el 837

(6)

MSW 126 residual bldrs coarse hobnail bldrs of amp on road (root rocks) WP 265
N 37 '07 .017 W 79 43 .860

(7)

MSW 127 bridge crosses below junction of streams
ledges of gneiss
at WP 266 N 37 06 .992 el 891
STD N89W 18°SW W 079 43.817 qtz fel
qz

(8)

MSW 128 WP 267
N 37°06,921 min
W 079 43,794
Bl grey to lt grey lin stripes
Qt Feld MICA GNISE
with Folded Qt Feld Layers
Ledge in creek
N 32 E comp layering
dip 29° N W

9

NSW 129

WP 268

N37 06.877

W079 43.778

850 FT

fine med gr Qtz Feld gnise

w. strong Gnisic Foliation

3' Ledge w fold

strike N 60 E

plunge 10° NE

Sincline

Station 2

WP 276

GPS

(10)

MSW 1210

Ledge Mica gnise
w Folded beds N 37 06.800
W 079 43.730
strike N 42 E
Dip 70 SE

MSW 1211

(11)

Layers dk gree gray & wt
hom blend gnise
& Amb boulders
right next to rest
bench in hair pin turn
N 40 E compos Layers
70 NW

WP 275

GPS

N 37 06.781
W 79 43.722

(12)

MSW 155

N 60 E 70 SE

Thin Lamina MICA

Gnise & shist

out crops in stream

course Amph bould

Along road

GPS WP 269

N 37 06,748

W 79 43,759

EL 901

WP 269

N 3706.745
W 79 43.760
E 1894

Spring w heavy
Algae growth from under Rd

MSW 156 Spring

WP 270 N 37 06.577
W 79.43.774

hornblend course gnise or amph gabbro

MSW 157

Large ledge of whornblend crystals up to 1"
aligned
Along foliation
STK N 60 E
Dip 66 SE

hornblend plunging
Lineation S66W
at 28 SW

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at creek outcrop across
pavement
of Lt grey TAN
complex folded
Qt Feld MICA gnis
in strem
at MSW 158

(GPS) WP 271 (13)
N 37° 06.684 min
W 079° 43.743 min
el 672
Strike Trend & plunge Z fold
wd N84E Plunge 10NE

MSW 159

WP 272

coarse Qt F M G
lad in st
N 60 E 60 SE
Foliation

GPS

N 37° 06.650 min
W 79° 43.764 min
El 880

14

MSW 1510

GPS dark gree gray
black & W coarse hornblende
gneiss or amphibolite in
creek bed — biggest paramer
w/ hornbleded

cont'

WP 273

gps N 37 06.617
W 079 43'776
el 916
foliation N 20 E
dip 12° ~~SW~~ SE

s

MSW 1511 station 4

WP 274
fine gr grey QT FMG
complex foliation
QV Str N60E
Dip 70 SE
good stop QT veins
N37 06.509 W79 43.784
L 876 ft

IGMET

Stop 1 Little River
unicoi phyllite w/ s/c my
N 37° 00.878 el 2030
W 80° 25.585

Stop 2 Basement
N 37 00 382 W 80 25 560
el 2116

Stop 3 Wills Ridge
biotite phyllite
N 36 59 024 2439
W 80 24 366

Stop 4 Ashe Metamorphic
Suite N 36 58 413 el 2113
W 80 19 685

Stop 5 Bowens Creek
near Stuart,
N 36 49 466 W 80° 16.665
2088 — pyrite

STOP 6 START
FM spotted schist
024 N 36 39 .519
W 80 16 .642

Stop 7 Stella
N 36 36 707
W 80 04 633

Food Lion
Mixing Zone

Stop 8 N 36 41 633
W 79 49 824
c/865

STOP 9 Tokyo Express
Biotite Gneiss
N 36 41 776 W 79 53 768

Booker T Washington NMSW 3/15/11
Moneta SW, Quad

Visitors Center
Deep red silty clay soils, Cedar trees characteristic of
Mafic (iron mag rich rxs
Float blocks at dam across from garden
1) Rock ledge below is Outcrop Moneta
bio gneiss probably a sandstone in Volc seq - strike and dip off lin strip layering cleavage and jointing
Qtz bldr by forge residual from eroded veins
2) ledge in ck above bridge, OC on hill to right gneiss & schist
fine bio qtz feldspar
Possible quarry site
3 Springs emerging from hill side along fracture = OC water

4. Coarse hbl gabbro or Amphibolite block probably sill in volcanic sequence derived from melting mantle along hot spot or deep rift at big fenced garden Big Trees in bottom

5 more Mafic boulders on left at drain before next bridge

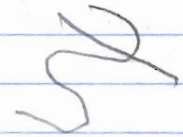
6 Mafic ledge above bridge - foliation gently dipping down stream - discuss Soil genesis and mapping - Alavial then residual

7 Folds in finely layered schist/gneiss ledge

hinge

plunge

Folded

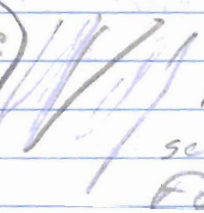


axial surfaces

mica rich sap on other bank

8) Another mica gneiss ledge folds eroded out

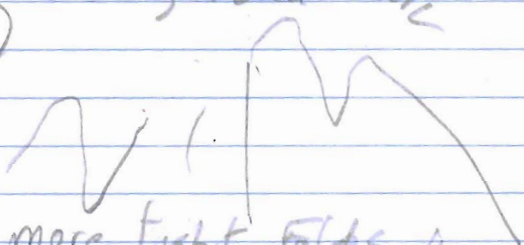
9) Lable 2



Thin bedded mica gneiss schist with folds

Gabbro blders placed along road above

10)



more tight folds in pavement

right hand 2 folds

Transposed gneiss
mica schist
at fence crossing

11) last stop –
big pavement in
hornblende gneiss

lineation
was coarse
granoblastic
or hypidomorphic

FLD –

N74E 45-50 SE lineated bio augen gneiss

MTASW QUAD 6/22/00

MSW 141 N 40E 70SE complayerm ~ 2"-4" beds? in bio gneiss – msw cleavage N 50E 50 SE

MSW 142 N50E 40 SE btw stp bio gneiss

MSW 143 rock cliff N 50E 40 SE thin layered bio gn (stp) tight fold hinges, lineation

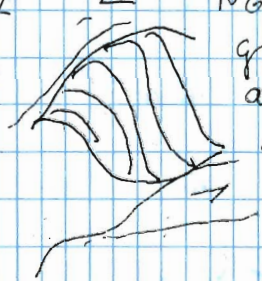
MSW 144 N60E 52 SE coarse lineated hornblende gneiss ocs on hilltop above rock cliffs along Gills Ck lineated hbd up to 9mm across N 60 to 70E 10NE

SIMILAR TO JACKMTN

MSW 111 at least 20' of micarich sand in bottom stream intrenched ~ 15-20' below terrace

MSW 112 ← N60E 45SE coarse bio-hbd gneiss with garnet amp boudins, strong apparent down dip shear plunging S50W at 20 tear drop up dip/plung

Bomb??



6

MSW 151 N50E 80NW near vert
rock wall at end of levee or old
dam along road bed of colonial road
tan to gray mica gneiss, amp in
stream N50E vert just before park boundary.
MSW 152 v coarse hbd amp gneiss - lineated
MSW 153 fg hbd schist and meta grawacke
N60E 45 SE comp layered
MSW 154 N55E 70SE hbd schist with
coarse hbd pb.
MSW 1~~5~~4 5 N50E 54SE brown mica gn / silver
musc schist sap on stream bank
MSW 1~~5~~4 6 N43E 60SE cg lineated
hornblende gneiss
MSW 1~~5~~4 7 hornblende gneiss ledges
MSW 1~~5~~4 8 coarse qtz granule gneiss
ocs + blocks
0/23/00
MSW 512 meta grits med - thk bedded
MSW 513 mafic - chl talc trem schist
coarse pbs weatherd out ? al rich or
Mg rich?
MSW 431 N23E 30SE Mass chl act rock um?
or gs 10' ledge 3' beds or joints
MSW 432 N40E 65SE gritty meta grawacke saprolit
ledge thick bedded
MSW 191 gilck N40E 50SE coarse ch act
trem rock massive layers calc. sil or um

well 1 el 936 37 02 156
79 37 813
well 2 el 916 37 02 151
79 37 830

3/19/03 Cloudy Cool Lakestone INV.
MSW 911 Original well on hill abandonded. Rock chips in soil suggest light gray quartz muscovite schist bed rock covered by red residual soil and an eroded quartz cobble clay mtx terrace capping

MSW 912 Latest well reportedly drilled to 1000' in "granite" is in black and gray biotite gneiss w/ coarse muse schist and some salt and pepper textured fine grained granitic (meta arkose) gneiss
Preferred Site Cove at 37 02 .222
WP 356 mk 832el 79 37 .739

MSW 511 W of Gib Creek Bridge good OC of all phyllite poss graphitic, pyritic - Chandler?

MSW-262 coarse muscovite schist w/ prominent garnet pbs = garnet gravel schist in sauratowns — DF = Drain Field Failure - obvious effluent in drainage to lake

GOOD FIELD TRIP STOP

MSW 261 Dec 6 1990

coarse garnet (1" bearing bio-gneiss, garnets have foliation which is almost nonfoliated Mica schist in parking lot bank — FM fm?

MSW 262 Mica pts [illegible] have mineral film on fracture surfaces Mn + $FeSO_4$?? in well lot above boat storage bldg

MSW 311 2 new wells one (W) a dry hole is 400' deep the other 220' deep is capable of 40 gpm cuttings are gray fg mica gneiss, some may be slightly carbonate bearing

MSW 312 cut bank behind house, thin ol amp layer (1' or less, wht) lt fg [illegible] Sap of (marble unit?

MSW 823 ledges on point below pool N 65E 55 SE
cg amp

~~SMD~~ 581 coarse Feld/mica peg N 60E 70SE

MSW ~~SMD~~ 582 thin bedded alligator back mgw/ss/sch
photos - Stop 15 Thin bedded mgw then
thick and thin Alligator back greens,
and amphibolite ledges at next point - good
stop for alligator back basal section
Photos of interbanded gneiss/amp. pos
marble sap
811 thin lam massive or very Thick sets
sparking bio (fine-med gr/hbl gneiss) good
OC of Alligator back meta volc
811B may be photo of calc sandstones interbeds
in dk meta graywacke/volc boudins or lenses
in gray med-cg gneiss - Very pretty OC

ALL IN MSW ~~SMR~~

MSW 671
on Blackwater - Game Commission Boat Landing
Good Stop for coarse amp sch/gn

MSW 672 on NW end of Island coarse amp
interlayered with tan/tnk oded Gisqn
coarse pebbly gneiss at 673

MSW 673 7-3' wide qtz feld peg n 50E 85E
in pale orange - gneiss sap sap is fairly tough
and resstant to weathering,

MSW 821 N35E 60SE banded mica gneiss
saprolite on undercut bank

MSW822 N35E 52 SE cg pebbly (qtz pbls bgn) (Stop 14).
comp bands 1-2" pebbles along foli

MSW 781 Dec 18 90

coarse cgl bio musc gneiss in stream, pebble and cobble-sized clasts of granulite or leucogranitoid producing down dip lineation. S70W 38

MSW 851 one day until UNDL Jan 14 91

coarse mica gneiss (Bio mus) with Granite cobble pebbles stretched out along strong Foliation Debris Flow — good stop

MSW492 N 40E 55 SE f bgn / mgw interlayered with sparkling Garnet Schist Good Stop For Aligator Back

MSW 481 good stop (18) For actinolite schist with gentle to steep dips white qtz fold layers chl act sch yellow pyrite or/and sphene

MSW 721 OC of Mgw / mica schist, schist has folded qtz stringers Good Stop For EMy

MSW 471 N80E 20 SE tn bdod, folded act shist good stop bg pien

MSW 441 Good Stop For Ashe N35E 55 SE Mica sch / mgw silvery mus.

MS442 dkgy pb mica schist 8Cs

MSW 491 Dec 17, 1990

new deep water well in dk gy - silver gray garnet mica schist - graphite in part

Spl in Water Board bag

MSW 741 Dec 18 1990

Haggy bio gn - pink - rose garnet N 8 DE 30 SE

Moneta? on sc limb of anticline

MSW 742 - oc of typ banded moneta

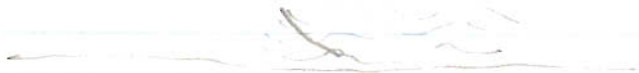
dk gy slt & pepper tot sured bio musc gneiss

open parasitic fold hinge N 30 E 20 SW

MSW 651 Dec 12

monet[illegible] shows interstratal [illegible]
possib[illegible]

Hinges plunge N001 @ 45°



MSW651 incredible tremolite - actinolite chl rock
with megascopic reticulate texture
look like elongate talc chl olivine x/s?

overlain by a hbd diorite sill?