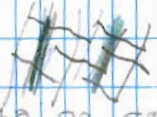
9-22-92 RGV 141 Felsic (Microbreccia Vole)
dike N20W 75 NE - white, Hgy
RGV 111 Felsic porphyritic aphanitic dike
pink feld pbs, blue qtz some angular
frags or phenocrysts

SCB 944 N45E 60SE [illegible] Ty Yeau

in Felsic schist, mafic layers
yield orange red clayey
TC1 @ 10sec 155.9 u @ 10sec 5.9

SCB 945 N45E 35 SE slaty felsic metavo
10sec TC1 = 276.7 10sec u 3.8 T 2.[illegible]
K = 5.6

SCB 946 N40E 60S TC @ 10sec 189.2 u @ 10sec 2[illegible]
Steep cross fractures show hydr[illegible]
thermal leaching across mafic
felsic schist / slate layers



SCB 947 N40 62 SE Felsic slate / granofel
cleavage, close spased cross joints
disturbed zones

SCB 948 OC of red cgl sap in
bridge foundation TC1 @ 10sec 255.7
uranium 3.3

SCB 252 photo of silicified mylonite
& breccia veins cutting older ductile
Fabric TC1 @ 10sec 189.2 u @ 10sec 2.9

[illegible] N80E 60SE [illegible] 5 20E 45
[illegible] grey musc schist (graphite?)

MONETA SOUTHWEST

MSW 192 N50E 50 SW S+P Mgrained garnet bio gneiss ledge

MSW 193 ledge of epidote rich mgw crossing strean N50E 60SE Mass to thk beded volc wacke sn

MSW 194 massive pbly ledge N50E 30 SW ↑ apparent grading tops East

July 10, 2000 Carolina Slate Belt

1865 High View Church Rd

Al. Lawson

VA SIDE CHARLIE, LAWSON RD SR

VRA 8 81 Spl of AARON cgl, Photos

VIA, 81 Photos of hyco at Crystie

July 11 Scottsburg Basin SCOTTSBURG

SCB 941 N45E 35 SE gray bio sch/gn pos relict hbd GR

1609 TGl @ 10 sec Total 2.2 cps @ 10u

SCB942 near top N45E 70 SE Felsic schist with grn amp schist parting

1645 TC1 @ 10 sec 2.6 cps u @ 10 sec looks like mfv, Bob White, cool breese Creadas singing breaks through gray clouds God is in his heaven

SCB943 N40E 65 SE mfgls — slaty

2096 TC1 @ 10 sec 2.4u @ 10 sec

SLM 7709 coarse unicol bldrs
old td in saddle

SLM 7710 Karst feature 200 dia ~
1 - 2' closure, old shed in middle

SLM 7711 coarse qtzite bldrs thin
yellow gray silt loam

SLM 7712 N75E 68 SE cleavage
in dusky red phyllitic mudtone

SLM 7713 N70E 75 SE massive
gray dolomite in stream OC at least
100' of dol -

SLM 7714 Very subtle Karst surface
in woods - dished spur

SLM 781 N80E 78 SE
thk - massive cherty
dolomite OCs in stream, cuts
on road above show lite silty soil no
shale chips

workarea: \ callaway

SLM 771 on hillside to NW of suspected shady dolomite are bald soil areas consisting of dusky rd and yelow shale chips on up into saddle

SLM 772 big Karst valley but shale Float along slopes no Oc

SLM 773 big closed cove or basin with 1 outlet to NW shady sacharoidal dolomite Float, cannon ball chert Float Spl 773 is sacharoidal dolomite resembles banded met rock of Ivanhoe mine

SLM 774 grn and red sh on slope stream full of chert + dol bldrs + cobbles many ang blocks one with qtz Xs and limonite box works, cedars

SLM 775 grn-gry sh n 50 E 15 SE on bank, stream contains X dol + chert as well as shale bldrs across from drainage from NE

SLM 776 N 80 E 80 SE gray shale/phyllite

SLM 777 delta of sh chips below X drain but cannon ball chert residual still on valley floor

SLM 778 Abundant porcelinous - translucent chert cannon balls show clotted thrombolitic texture

RV 3 Bells Mill site n of 460
Photo of pebbles in Moneta
highly lineated gneiss in base
of Moneta (2 shots)
N60E 68°SE good fold rods
S 78E 55° plunge Photo
Lineation RV4 — N60E 52 NE
RV4 N77 E 72 SE Foliation (OC) N60E 52°N
bio gn b+w lineated biotite
folia, salt + pipper tex
qtz - feld rods 1/2" x 2"
photos (3) (17+18) showing OC by bridge

RV 5 Black and white biotite gn
with 3 - 6" feldspar rods
N50E 40 SE lineations
S85E 25°
2nd OC by stream
N45E 60 SE bio rich
shear bands, angular p-clasts

N 76E - 50 SE

Red Valley shear zone study

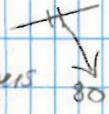
Photo 1 is new building site in moneta sap

Photos 2, 3, 4, 5 are at Sta RV1 which is a coarse porphyroclastic protomylonite biote gneiss garnet, kspar, biotite clumps of brn gts, Fold augen define lineation down bio comp layering

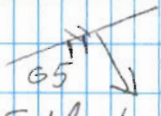
Layering ~~N 78 E dipp 85 NW~~

plunging lineation S30E80

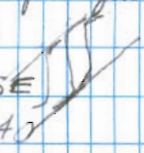
N70E 65 SE comp layers



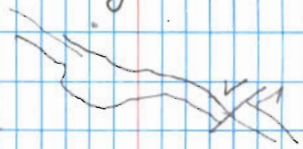
cleavage



N30E 55 SE



Veins Feld along E-W 40



Fracture cleavage

RV2 in deep cut east of Goode med gr b+w s+p gr gn - bio Foliation lenses of f-cg leuco gn ↑ N30E 60°SE lineation - stretch Feld N50E 45NE

300'W on tracks N32E 70SE lineation (Photo)

N50E 45. (9-12) N20E 70SE (Photo) 1in N50E

Nininger cke EW

RV11 on creek shear bands

dip 60° north coarse

Feldspar pbs

plunging NE steep N64E @ 45ne

steep pseudotachylite offsets

Paleozoic Fabric N40W @ 70° NE

N30W

N80E 38° NE F-mg bio mylonitic gneiss

5mm diam feld rods foliation

N60E 60 SE

RV13 N70E 45 NE watermelon

seed pblasts

strong mylonitic layering N50E 65 SE

RV14 N40E 56 SE complayered sch/gn

(Gio lineation down dip N80E 45 NE

Coarse feld pclasts, Flagg bcds

RV15A Tunnel Mouth mylonite

N62E 20 NE Sheetn folds?

Contact zone cg bio augen

RV15B and leucogran gneiss lineation

N80E 10 NE phdgs

RV15C N50E 30NE lineatio

Foliation N4GE 80 SE

RV 6 3 or 4 photos of black Graphite (Willis Phyllite)

RV7 at RV Fault above Maggedee Ck

7a blastomylonite N 38E 50SE comp

photos of blasts lin N60E @40

7b phyllonite N 50E 38 SE

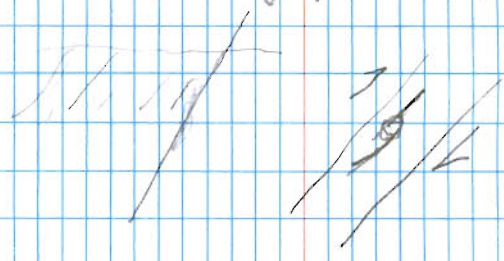
lin N80E 30

7c bioshist (phyllonite) sp/s

N40E 56SE

N30E 50SE LIN N80E 25°

RV8 2 photos of graphite phyllite



RV9 Cg bio augen flaser N55E 60NE LIN

N20E 65 SE

N25E 60SE LIN N80E 58

RV10 Cg bio gn photo of cg garnet

clauvage N 80E 80 NW EW 25°N

RV 15D N56E 60SE

steep lineation on 1" field

N60E 40

RV 16 phyllonitic leuco gneiss
N 50E 60 SE foliation
N 66E 45NE feldspar porphyroclasts plunge - possible felsic xl tuff or mylonite?

050, 107
048, 060
070, 075
075, 132
020, 135
038, 130
025 103

RPG 934 New pond in mica gn/sh sap
resembles FMg sap
RPG 935 N 45E 35 E SE Bio sch/gn in
spillway cut - S+P gn text
but very dark color - No amp
RPG 961 Fg S+P text mgw gneiss
pavement in stream N 45W 15 NE

RPG 791 coarse lineated gry / blk + wh musc-bio-grgn (1gr) in area of bleached sandy soils

RPG 792 Thn bded hbd gn, felsic granofels / meta rhyolite ocs in stm sand bars covered with mixed cobbles ocs of garnet biogn in stm

RPG871 sap of brn bio granite gneiss brn and pnk banding looks like migmatite

RPG 872 hbd gn float in soil

RPG 793 orange and white, Fg lineated leuco (felsitic) gneiss, with musc/qtz partings - my?

4 NOV 1997 RPG 931 musc schist and fine grained leucocratic granitoid gneiss with clast lecture (Fold qtzite) N20E 20 NW

RPG 932 N60W 18 NE 6' sheet of partly sheared porphyroclastic leucopegmatic granite interlayered with leuco stp gneiss

RPG 933 N 20E 20 NW dk gry-bk bgn lsh sap, leucogran blks in stm

Oct 15 1997

RG 451 ¢ on edge of Field near boat launching ramp massive hbd gn ledge with fine leucocratic qtz feldspar stringers, med gr stp grgn overlies — both show well defined comp banding n 60w 10 NE

RG 452 good cut at edge of flood plain contains weathered hbd gn grgn cut by granite sills and dikes layering is offset by faults w/ dikes N 70W 30 NE

OCT 15, 1997 DVL 531 massive
oc of qtz Felspar gneiss unit behind
old shelter actually stop 11
on Ballou Park Nature trail
stop 14 spring

Need access at Gate to Shelter
6

RPG 915 N30W 10 SW, gray dk gray mg bio gn
pavement in stream
RPG 916 N45E 25 NW S+P gn as ab, pink [illegible]
gran peg dike or sill, highly sheared
RPG 917 Wht Sandy top orange sandy loam at 14"
old terrace gravels mostly broken by plow
RPG 951 spl of gn from new well
952 N55E 15 SE peg stringer in deep red fg bio
gn/saprolite in new road cut
RPG 911 on Runaway Creek, N45E 20° NW
light and dark layered gneiss, amp schist chips in
gravel bars

RPG 991 F16 buzzed N35E 45 NW thin black amp soil leucozone Oc
- Big Pavement Ocs

RPG 482 N60W 14 SW lineated Felsic gneiss
on stream behind Hickory Grove Pump Sta lin - Feld pcl
S45W @ 5°

RPG 483 N 30E 15 NW C- fluxion structured orange pink qtz Feldspar
gneiss - chlorite masses - seams along foliation - pink and green rx
very dense or compact like rhyolite with bluish gray qtz masses
strung out along seemingly mylonitic folia

RPG 381 Bairds Stop 4 revisited folded banded MFV unit
Typical Fold aps EW dipping 35° S hinges plunging
S40W at 10°. Photos of Banks, and gravel
(Shingle Bars of MFV lithons

1996 REPUBLICAN GROVE QUAD

RPG 281 Nov 21 cg pbly or highly pblastic gn sap n 60E 75 NW lineation plunges sw

RPG 481 Nov 22 N 10 W 20 SW lineation plunges sw @ 9° Coarse porphyroblastic gneiss saprolite Feldspars? (leucocoems irregular lineated augen in mica mylonite Fabric looks like Rons Hupps Mill Gneiss

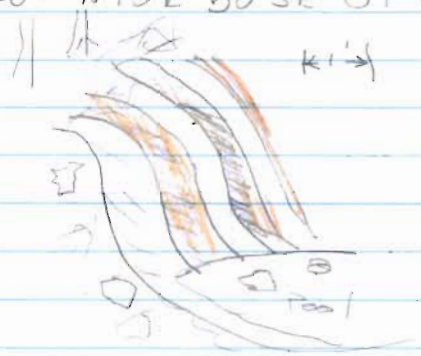
GAVE CARD TO NICE LADY IN HOUSE ABOVE

RPG 641 N 48E 64 NW ledge of banded hbd-bio-gn (SOS) typical ~~good~~ Field stop

RPG 642 N 60E 15 NW ledges of hbd gneiss / layered amphibolite in creek.

RPG 671 n 40E 14 SE banded bio gran gneiss (pinstripe)

RPG 681 N45E 50 SE OT banding in SOS



MON NOV 25 RPG 911 N 30E 15 NW surface of gray pinstriped grgn Oc lineation plunges S 50 W at 10 amph schist Float along slope above

RPG 912 N30E 12 NW F-mg dk grnish gray hbd bio gneiss saprolite, definite compositional layering 2" banded zone, mass ab and below, gently arched

RPG 913 N55E 45NW dk gry salt and pepper bio gneiss, Fresh pavement exposure in creek pinstriped to massive, cut by felsid dikes

RPG 914 N45E 27NW at road crossing ~~waterfall~~ ledge, irrg bded to massive gr gran gneiss. Felsic stringers NW trending dikes