KLY 611 on SR 648 Photos of SW plunging folds and qtz pods in lam-thn bdd metasiltsn obviously SE of Fault zone above?

KLY371 intensely deformed low rated phyll [illegible] (Photo

right lateral shears trend N22E dip 50 SE hinge line

A)

N3SE 42 NE

B)

No Photo

dextral shear

N4SE 68 SE cleavage (53)

N55E 50 NE hinge

C)

sinistral shear

Photo

N70E 70 NW

KLY 911 (6/20/91 cltd granofels (spl) in candler Fm

KLY671 spl of qtzite from NE wall of quarry ~100'

qtzite exposed

KLY 911 spl of fine lam qtz bio hbd gneiss (GS?)

unit is thk buded + Lam, looks like pyroclastic

or volcaniclastic sed, no flow texts. Marked 7/3/91

June 24

KLY531 qtz boudin in purple weath mylonitic Mica schist

plunges ~55° SW at 320W — qtz right lateral

KLY 532

Photo of

Candler Mylonite

KLY 535 June 27 spl of Catoctin From

above Brightwell Mill

KLY 851 June 27, 1991

Biotite pbs / gy qtz mica schist less than 20' of qtzite in cut n 45E 55SE looks RSU - Sample

KLY 821 n25E 79 NW Gentle warp in bedding/ Gniskosity ~ are sinistral indicating w facing

KLY 822 S30W 30 plunge left handed Fold hinges in Candler grey ls in quarry indicate NW Facing, photos

KLY 823 gravel pit with Chilhowee qtzite bldrs up to 1.5' dia, pos. pedlar bldrs. cobbles & pbls

KLY 824 qtz mica schist Float in burrowed (rooted) terrace area, photo of trrace deposits

KLY351 July 24, 1991 Biking on gated road Oc
chl-chld qtz schist (Candler, obvious Sz...
on its way to FM schist

KLY 352 - disturbed zone in phyllite - regional N30E 70 SE
phyllite "Fish" up to 1' long. strung out qtz vein boudins

sheared out fold nose

N10E 75 SE

conjugate shear on
Bowens Ck (Left lateral)
N5E, NS 78 E ... 33

KLY353 Blue qtz pbl bearing mgw Float on road
very sandy regolith, blk graphitic qtzite, Fe qtz rx
graphite schist Float = alligator Back

July 31 At bk in slope on loging road N45E 70 SE [illegible]
KLY 332
of purplish, redish and gry weathering qtz - chl - sericite
phyllite qtz veins [illegible]
More big Cat tracks on top of [illegible] phyllite becoming [illegible] aclastic
schist, boudin or porph [illegible] in regolite
[illegible] lateral symmetry

KLY 333

abdunt S/C mylonitic
structure in orange - yellow
gg weath phyllite

S_1 = N10E [illegible]
S_2 = N40E 90 SE

KLY 334 Kink Folds [illegible]

KLY 335
Qtz Fish
in phyllite

July 31 KLY 331 large gray Cat ~ 3t' long, long tail
gray (black / tan color, pug mark as below

Track Follow
Small deer!

Depth 3/8-1/2 in
moist sandy
clay, Time ~
12:30 pm

STRIKE AND DIP
N35E 79NW orange
yellow meta
basalt saprolite

804-367-1000
Ask for Becky Wadja
Vida

— 1/2" more not on tape

Kly391 N 20W 45°NE magnetite float qtz mica schist
oc just beyond head of hollow
KLY392 road slays on contour about 50' below crest
abdt mica qtz sch/magnetite flt then qtzite and
vein qtz blks white sand regolith
KLY393 N45E 62 SE ~10-20' qtzose saprolite in
road intersection
KLY 394 100 yds to SW of int bedding dips
N60E 70 NW cleavage dips more gently NW
— over turned? — SE NW

KLY 395 hematite? qtz veins in pink-orange mgw
tms saprolite then very graphitic mica schist/[illegible]
KLY 396 N28E 83NW thk/massive qtzose mgw beds not same as
qtzite above - [illegible]

KLY397 at switch back intersection white mica [illegible]
mgw sap n 45E 48NW qtz appear [illegible]
[illegible] intersection with road and [illegible]
graphite schist above [illegible] mgw

qtz blrs show X beds

KLY398 atzite on top of Rd Mtn N [illegible] banding
[illegible] spor. Spl — well
banded to SW where dips 55° to SW strikes
N 25W — low angle erosion surfaces
some blue qtz pbls

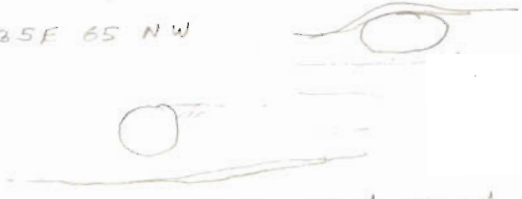
[illegible] 321 gs, [illegible] heavy [illegible] NiOW hinges

NISE 70SE KLY 322 sheared qtz zone, greenstone, Spl
heavy bk xline qtz, irridessant sheen — mineralized?

KLY367 good qtz wacke with 2' qtzite bed

KLY368 good sap of Mgw/ms unit [illegible]

KLY369 OC of grn volcanic wacke [illegible] quartz epidote pebbles, N35E 65 NW



KLY3610 qtz wacke Ocs along road good bedding lamination indicates SE facing

Hinge plunges S 20W 55

KLY851 [illegible] mica gneiss/marble sap small folds [illegible]

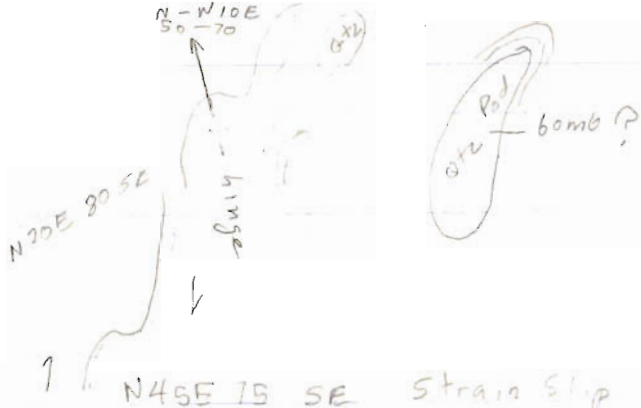
July 31
KLY 336

KLY 337 [illegible]
in shear zone

Main [illegible] 810W 5°

KLY338 N45E 69 NW Mica schist, thin lam mafic
Saprolite gmstn or Lm stn? possible karst?
Limestone or mb bed N50E 81 nw, qtzite on other
side of sink
Aug 1 1991 KLY 364 gy chl phyll, mgl text
qtz rich sandstone boudins N20E 75SE
KLY365 N40E 62SE tm-med bedded ss/ms saprolite
KLY366 N45E 72SE Mass. pbly meta [illegible]
N40E 78 SE graded beds w/ [illegible]
indicate NW facing [illegible] ~100' [illegible]

KLY 612 - near base of [illegible] - pavement photo



KLY141 N45E 15 SE Strain Slip Cleavage
N20E 80 SE S1 No Photo

KLY 621 at location of dam for Garths mill pond, typical "Pinstripe gneiss" of Alligator back affinity Facing NW photo - steep to Dt bedding -

KLY 641 spl mgw interbeded with chl mica schist, spl from med grained bed, granule bed below (above shows graded bedding), NW Facing, photo

KLY 642 grades to Candler phyllite [illegible]

KY 591 Alligator Back Phyllite / Mica schist spl (Joshua Schist from near Joshua Falls)

June 18 KLY 731 spl of chl mgl sch from Boral Brickman

KLY - 841 Oc of med gy slate/phyllite, powder fizzes (dol?)

2 thn bnded gy micritic ls (Photo) small)

reverse Ft

0.1 mile NW of Quarry

KLY - 843 n 25E 55 nw bedding in graywacke - massive, spaced cleavage (S_1) dips SE initials JWB carved in stone

KLY - 844 Blue qtz bearing graywacke, just ~200' from quarry
spl

845 quarry ls blue gray ls and ms N40E 80 SE

Small Folds indicate NW Facing
plnge slow at 40, prom lineation on
overturned bed bottom

Left wall

KLY - 571 spl of mgw from near contact with Candler below Seminole Coon Hunters Clubhouse - compares with KLY 843

June 17, 1991

~~LyG~~ KLY 751 2 banded silty cly beds that have intense deformation, in between candler phyllite beds, above Greenstone each bed is 1-3' thick and one has pods of Limonite and wad staining at base. Typical ocheous carbonate saprolite is found in both beds Several Flows are representend below 2 are punctuated with felsic pyroclastic beds up to 3 meters thick that (at least one) grades up into parplishgy to silver Phyllite (spls of Greenstone and felsic pyroclastic Rx

Marked for Sections 7/03/91

Ed Jones - Engineer City of Lynchburg

Aug 6 1991 KLY 892

460 cuts in bio-amp sch/gneiss, volc. unit.
Unit contains 4-5' thk ll laminated qtz wacke beds
and grading upwards to sulfide rich chl phyllite
beds - small folds are common in ll laminated units
KLY 881 chl mica sch/chtd pbs N30E 75 SE, biogn
(maw interbeds)
KLY 882 gray biogneiss/[illegible]mate? gneiss saprolite
in drive behind [illegible]
KLY 871 abdnd quarry at Kelley unit is carbonate
turbidite - gray banded tan with graded beds
and scours indicating NW facing SARGAY & CO contractors
KLY 883 bio-amp sch/grnstn sap and
oc in clover leaf

KLY 884 behind grace church flaggy, slty mgw OCs

KLY 885 Photo of thin ripple bedded [illegible] [illegible] [illegible] in greenstone similar to that in quarry

KLY 893 photo of possible pillow/hyaloclasts bed — small folds indicate SE facing

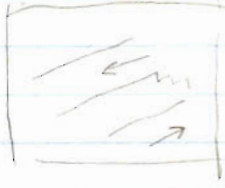
Coarse

KLY 994 mislabled (3) ocs of med - cg hbd bio qtz feld granofels, — meta andesite or diorite dike — Calc schist!

KLY 9

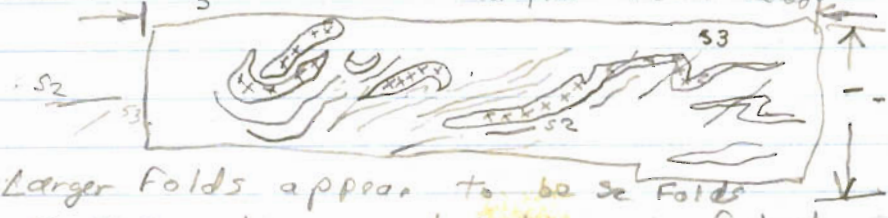
Bret Wash Phil Rogan Jim Cook

KLY 731 Blue Ridge stone quarry



slicks on joint surface

KLY 361 N 35E 15 SE sandy qtz mica phyllite outcrops in road bed at intersection, mgw (fine grained ms float - S_3 N20E 85 - Fold qtz veins below



Larger folds appear to be Se folds

S1 may be completely interfolial S1 is in

qtz [illegible] — [illegible] N 45E 85NW or 65 SE

E_2 hinges S_2 [illegible] 5 [illegible] W at ~ 45°

KLY 362 Massive — pinstriped metagraywacke grit beds — seem graded N 40E 80NW — good Alligator back [illegible] unit

KLY 363 ~ 10-20' qtzite, comp bands N 40E 85NW
N 40E 55 [illegible]
[illegible] W

KLY381 qtz mica magnetite schist, heavy mineral wash white mica schist chips

KLY 382 Fg amphibolite sap ~ 50' thk then

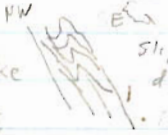
KLY383 Fine lt gn gy phyllite w/ epidote or chlorid pbs along banding

Aug 1 KLY 961 spl of white mica schist w/staur.? pbs

Bob Downing

Aug 5 1991 KLY 972 on boxley prop gs along [illegible] rd
is bio-act sch/gn N 35E 60 SE
KLY 973 bio gn, bk & wh, wht qtz Feld layers
KLY 974 N45E 78° NW bio amp sch (gs?) ocs.
KLY 975, thin bedded arkosic gn sap N 45E 70 SE
(Photograph) pebbly gneiss in part, bedding
KLY 981 at powerline white chl-mica phyllite
N40E 75 NW chtd pbs show hexagonal out
KLY 982 photo, steep dipping schistosity bedding
NS 60 W in MS/MSW sequence

Photo



Slip cleavage steep dipping fold hinges indicate NW transp

dow dip view
right lateral

looks like

S1 N45E 6ESE
S2 N15E 50SE

KLY983 [illegible]
gy, [illegible]

KLY985 cg mica gneiss, comp layers, b+w
coarse mica, musc? ky? sil? pbs in and
across foliation – looks like FM?
spl from [illegible] in middle of [illegible]
fibrous or [illegible] – Staur [illegible]

KLY991 muscovite chlorite schist, [illegible] (95)
looks [illegible] again! [illegible]
mineralogy and fabric across [illegible]

KLY992 graphite slate/siltsn float on [illegible] – Lyg [illegible]