3/12/03 Clear, warm spring day
MTA 631 extreme NE corner crossing
Difficult Creek N 56E 60SE
comp layering / banding / foliation
in sparkling black + white
banded hornblende - biotite gneiss
MTA 391 N 56E 60SE Foliation
and Fine banding in coarse - med btw
amphibolite ledge at edge of Flood
plain atleast 75 yds wide
MTA 392 N 60E 40SE Fig Amphibolite
N 56E 70SE Foliation in qtz mica
gneiss / meta-arkose - layer

MTA 393 N 64E 60SE brn weathered
meta sanddstone ledge ~ 1' thick in
Stream 90' wide al.

MTA 394 N 60E 70SE btw sparkling
qtz mica gneiss, bio (brn-blk) muscovite
qtz - Feldspar ~ .5mm sand
MTA 395 N 40E 40SE Red-Brown fine
amphibole schist / qtz sup OC in spillway
of dm -
MARCH
POEM
Birds singing frogs croaking
or rather rubbing drumming sand
Air Planes hum high in sky Blue
Horses eating hay on hillside
God has control

Sledder Trace Fossils  WA Burnette Farm

MTA 961  Jan 17 '03

N60E 68SE layed hbd-bio gneiss ledges in ck thin lam - med beds  Folded felsic segregations  37 09 079
N60E 30  79 30 096

MTA962 → 30
N55E 50SE wh Mica schist + pinstriped metagraywacke mica gneiss in stream

MTA 939  N60E 50SE layered hbd bio gneiss below Mica gneiss. Mica gneiss has some thk qtz veins posible pegmatite segs
below layered gneiss is chl talc tremolite schist with relict olivine phenocrysts or gray pbs up to 1"

37 09 195

MTA 9310 spl fg amp 79 30 130 (czmi)
MTA 9311 extremely sulfidic thnlayed Mica schist/gn yellow iron hydoxide bloom in creek 87 09 224
79 30 207

Cam N55E 65 SE
MTA9312 Shelter cave beneath tram chl schist OCS

ledge near point and ~
250' downstream. Large green banded
water snake sunning on ledge!
MTA 183 chimney built of Flaser gneiss
flags qtz cobble lag from terrace
above along logging road
MTA 195 N60E 70SE cg bio augen
+ Flaser gneiss unit in stream
deer stand, salt blocks and
corn bait on terrace above
(in field)
MTA 435 N52E 70SE coarse metagraywacke
grit and qtz muscovite schist interlayers
in stream
MTA 436 N56E 60SE course Flaser gneiss, sheared
(lithic metagraywacke cgl beds?)
show coarse "pinstripe" lamination (bio)
porphyroclasts (metaclasts) 1/4" and
3" long is typical
MTA 437 N38°E 60SE on mafic schist/gneiss
Spls of coarse leucocratic biotite
granitic gneiss (metatuff?)
and coarse hbl gneiss (metabasalt?)

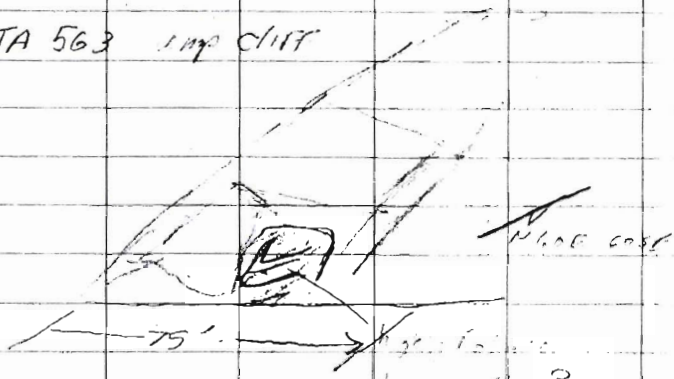
Moneta Quad MTA Oct 24 02

MTA 998 in corner of Quad
ultramic (chl act - serp schist
outcrops N50E 70SE foliation
in massive ledge just up stream
from SR 734 Bridge over Clover Ck.

MTA

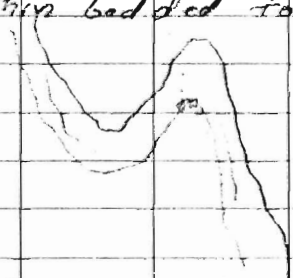
MTA 562 cg grit to jelly bean cgl ledge
N70E 40 SE

MTA 563 imp cliff




[illegible] pillow?

MTA 564 N 65E 70 NE dextral fold
in thin bedded to laminated pigeon
typical alligator back



MTA565 greenish gray tabs tremolite [illegible]
with olivine [illegible]
interesting potholed surface due to
softness of soapstone

2/21/01 MTA 881

N60E 40SE ocs of dk grn chl act schist on slope and slabs in creek To NE - soapstone deposit - thin? cleaved,

MTA 882 spring at top of chl act schist lots of granular amp flt

MTA 883 N40E 80 SE thin bedded mica gneiss laminated qtz mica gneiss, musc schist Well exposed in stream bottom

MTA 884 N40E 80 SE ledge of m - cg layered hbd gneiss (amp) (moneta) N40E 80NW cg hbd gneiss ledge at ∠ bend in stream

MTA 885 N60E 75 NW coarse, banded hbd gneiss ledges some laminated act schist wyw intervals

MTA 886 20 ledge of thn bded mica gn or metaarkose, cg pegmatite or Alaskite float

MTA 887 N70E 80NW cg hbd gneiss with white leucozomes red garnets up to 10 mm 100 yds upstream of powerline crossing

Leucozomes form asymetric fold hinges N40E 40NE that are folding isoclines

MTA 888 N54E 60 SE ledges of coarse pebbly gritty qtz feldspar mica gneiss possible cobblecge beds on both sides upstream and downstream of powerline

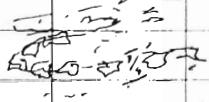
MTA 851 N66E 60 SE comp layering with blocks and coarse boudins of hbd gneiss or amphibolite

coarse amp blocks or boudins
N40E 60 NE hinges

MTA 852

N70E 80 SE mass - thk bedded black and white salt and pepper biotite gneiss typical Moneta bio gneiss or "Ashe"

MTA 853 Coarse bio gneiss with VCg leucozones or "sweat oats along compl layering 3/4" feld porphyroblasts



N78E 65 SE

S40W 40 long axes of elliptical feld pbs

MTA 854 coarse garnet hbd rocks, massive rounded bldrs on slope next to a'

MTA 889 N60E 20 SE cg pblastic bio gneiss with rock fragments in pebble to cobble range, interlayered with cg amphibolite

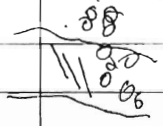
MTA 8810 N64E 75 SE coarse gritty bio gn w/ musc cross fabrics - pg tex, stretched rock fragments S 14 W 45° sw

MTA 8811 polished pavement of cg feld gneiss Srp text white qtz pebbles along ll lamination

N60E 66 SE layering Stretch lin S36W 20

MTA872 ledge cg bio amp gn
layering N36E 80 SE
MTA 855 N50E 50NW act schist sap, deep
red clay soil on top of ridge
MTA 856 N 70E 56 SE comp banded cg hbd gn
ledge forms cokade hat ∝
MTA 857 N76E 45 SE b+w bio gneiss-grit ∝ in
stream 12' thick qtz vein below
MTA 858 N50E 60 SE comp layering in cg
s+ phbl-bio gneiss, pebbly-gritty text.
2126101 MTA 681 repeat near horizontal joints diabase bldr
MTA 683 N54E 80 SE thn bded hbd gn / at
head of mill flume / dam
MTA 651 coarse bldr cgl/bio schist / gneiss mtx
N55E 75 SE some cross bedded ledges
then v/cg diabase bldrs on slope
and in stream ~ 50 yds
MTA 652 N45E 60 SE th ~1'-3" layered hbd
gneiss strong geomorphic contact between
layered amp gneiss and massive
diabase dike that crosses into
stream from NE bank
4 wheeler trail comes down
nose from SW
MTA 653 N 30E 30° NE pointed nosed isocline
in fg bio amp gn

MTA641 N40E 70SE 6' qtz core in Peg?
mine or Prospect From here to ck
MTA 642 N50E 70SE cg stp bio-gneiss
or meta gray wacke beds in stream
MTA 643 N60W 35NE pebbly metagraywacke w/ hug
qtz crossing stream in bend
MTA 644 N60E 80SE fg layed act schist, qtz layers
MTA 654 diabase blders Flt on K60 and in a1
MTA 655 N 70E 65 SE big ledge of pinstriped
lt gry stp qtz musc gneiss (Alligator-back)
Stream full of diabase blders
MTA 656 N50E 60SE th bded pinstriped qtz musc
gneiss or meta graywacke good geomorphic
contact w/ diabase



MTA 687 N55E 75 NW stp tex med bedded 4-6'
qtz bio gn or schistose metagraywacke in contact
with dia base dike
MTA 688 3' beaver dam diabase flt in stream below
MTA 611 Folds dextral N 30-40E @ 20° NE
Graded beds pebbles tops SE

coarse meta graywacke w/ blue gray
MTA 612 qtz grit + pebbles
N 30E vert -80 SE lt grn cg tremolite talc schist
MTA 613 N45E 65 SE metagraywacke with thin qtzite layers

MTA 614

N60E 80 SE cg amphibolite ledge

MTA 684 6' dia dia bldrs dike 50-75' wide.

MTA 621 massive ledges of blk + white biotite gneiss N55E 45 SE

MTA 622 cg amphibolite float on power line cut

MTA 623 cg metagabbro in woods

MTA 624 N50E 65 NW f gnr bio gn w/salt and pepper texture

MTA 625 just above pond where side branch runs into main pond branch, cg hbd-bio gneiss ledge in branch N40E 30-35 SE

MTA 626 white sand top & tornded qtz cobbles, highly eroded and weathered upper level terrace

MTA 627 fine fe nodules in red clay subsoil along road way near old field line

MTA 628 coarse qtz pebble cgl gneiss vc mgw N40E 28 SE large black w/ musc foliation 3/8" qtz pbls probably flopped over

March 9 2001 MTA 271 coarse pbly qtz meta ss bldrs on road side across from old foundation white sndy top soil w/ qtz cobbles

MTA 281 ocs in ck below old house site at edge of partly overgrown field

N60E 80 NW cg hbd gn with thin leucocratic qtz feldsp.

MTA 552 N40E 60 SE cg hbd gn
on embankment cg gritty mgw
dk grg + white oc in stream
80' to W

MTA 553 qtz gravel on ridge to W
red soil cedars, fe patch mean
mafic soil on pasture land to east

MTA 582 log house found, brick chny
coarse hbd gn blocks, cedars

MTA 577 2dp red soil cly rich, where
rutted in saddle

MTA 583 N36E 70 SE ledges of coarse
hbd gneiss on slope

MTA 584 N60E 70 SE coarse grained
ledges of med - thk bedded micaceous
metagraywacke at Point Z sign
along stream

MTA 573 N60E 80 SE cg hbd gn/amp
layer in cg gritty mica gn

3/12/01
MTA 952 N56E 70 NW lineated hbd gn/
metadiorite or gabbro w/ large relict
mafic xls alligned in granular feldspar
albite? Mtx Lineation plunging N70E 26
Some resembles Jack Mtn lineated hbd gn

MTA 953 N 60E 68 NW [illegible]

amp gn/meta diorite

MTA 954 – bamp trailer, OC up hill on ridge N52E 70SE hbd-gn w/ hyp pseud

MTA 955 N 40E 74 SE med cg meta diorite (grn white ~ 50%

MTA 956 N40E 60 SE med cg brw hbd gn meta diorite

MTA 932 N 50E 70SE foliation across cg gabbroic/dioritic fabric OC in ditch along road way 100' SE of powerline

MTA 933 S64W 18° SW lined hbd gn, very intensely stretched and sheared

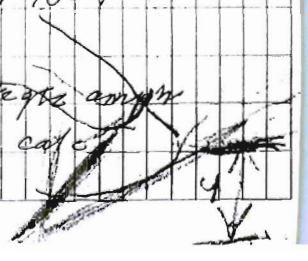
MTA 934 N38E 78 NW schistose amphibolite or hbd schist, 100' to NE hbd sh N30W 69 – 72 SW

MTA 935 N50E 30 SE blue gray micagneiss or metagraynake ledge in river

MTA 936 N10E 70SE lt grnish gry tremolite schist calc silicate?

MTA 937 N45E 38°SE coarse qtz pebble gneiss pebbles stretched 10-1 plunging S30W @ 22°

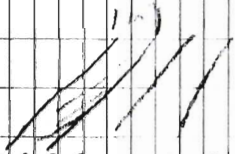
MTA 938 N 75W 15° SW epidote qtz amph granofels – fg contact zone in calc metasedr?



MTA 862 N42E 40NW cg umschist
with olivine pseuds
3/14/01
MTA861 N60E 72 SE layered hbl
and hbl biogn
MTA 862 Sap of cg musc
gn/schist sap in road
N60E vertical
MTA891 N45E 65 SE cg mgw sap
rd br - pnk org mica soil along
logging road
MTA 941 N60E - 50E 60 SE Foliation in
MTI Gray - green amp chl schist
at Pluton base (Spotted from Cons)
MTA892 brn mica soil along power line
west of pond, pond area very swampy clg
MTA893 N40E 80SE cg mica gn sap in road
embankment
MTA 871 joints in fg 60' diabase
N70E 80SE N5W 75 NE
MTA 873 garnet gravel amphibolite ledge
MTA 874 coarse pebbly bio gn in metagraywacke
MTA875 chl musc phyllite N50E 80 SE ledges
MTA 876 coarse ledge of pebbly mgw
N46E 85 NW. Coarse white tremolite blars
indicate likely calc layers

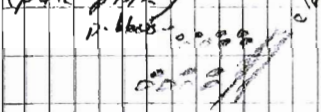
MTA 821 N 70 E 75 SE med bedded metagraycke or qtz schist
diabase bldrs in stream

March 19, 2001 Traverse NW up Clover Creek
MTA
Ledge 991 of cg metagraywacke some x bedding
Master set N 56 E 60 SE of ?



MTA 992 N 60 E 80 SE cg gray bio gn
w cg musc schist interlayers
MTA 993 N 56 E 75 SE cg gray muscovite
quartz-feldspar granofels or meta
graywacke, thk-med bedded
gritty to pebbly some x bedded

MTA 994 N 56 E 64 NW thinbedded mgw
mica schist, some amp float in stream
MTA 995 N 60 E 70 SE cleavage (calm)
in med cg pb hbd gn w/ qtz-feld-gpi
p-blasts along layers some garnet pbs
(pale pink) ~ 5 mm




layers N 70 W 75 SW
joints N 70 W 85 SW

MTA 996 N 52 E 66 SE big ledge of
cg mica gneiss/schist/mgw grit

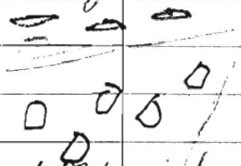
MTA 997 N56E 25 SE layering and schistosity in bk and white amphibole schist Oc at Fork

MTA 998 N60E 80NW thin layered area qm or marble sap tight interfolcal folds

N40E 20NE strong springs in hollow

Possble Karst Aquifer system

MTA 999 Large blocks of vcg pebbly hbd - bio gneiss at base of DAM



Probably lithic tuff-breccia! Probably [illegible] of anticline plunging SW

most spls have angular clasts - Good Field Stop

N40-50E 50 SE fg amp schist at base of dam

MTA 956 N30E 24 SE lt grnish gry sericite chl qtz phyllite ledges hold up drumlin-like hill

2-13-01

Mta 141 N60E 50 SE tan qtz feld gn sep in stream, stretched feld p-clasts N 70E 30 NE MTA 524

2-15-01 N34E [illegible] NE plunging [illegible] hinges plunge 20° NE @ N32E

2-15-01 MTA 525 N45E 50 SE cog mgw, 4" flat cobbles 3/8 - 1/2" qtz pbls stretched along foliation

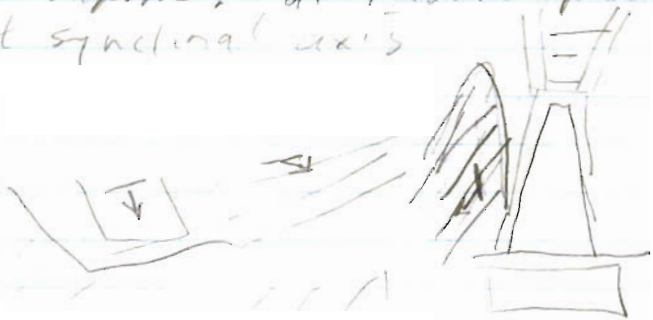
MTA 526 N50E 80SE dk gry black and white striped hbl sec [illegible] felsic layers with [illegible] [illegible] hinges [illegible] NW facing

MTA 527 N60E 10 NE hinges in closely folded section of med thin bedded laminated (typical Alligator back) bk wh meta graywacke N50E 80 NW

MTA528, this is a very well exposed section of coarse [illegible] metagraywacke N40E 55°SE pebbles some elongate & cobbles very few bedding features other than [illegible] lam

MTA 931 Feb 4 1991

Goose Creek Trestle - thn banded amp gneiss/Schist (Greenstone Parent?) shows refolded or interfolded leuco zones - look like Felsic shards or lapilli? at trestle possible Fault. Or tight synclinal axis



ATA 7[illegible] AUG 28

[illegible] of [illegible] [illegible] [illegible] across From

[illegible] [illegible] [illegible] N 50E 10 SE EYE FOLDS

[illegible] [illegible] MICA SCHIST SAPROLITE IS

MOTTLED GRAY RED AND ORANGE LIKE SOIL

STRUCTURE BUT FOLIA [illegible]

[illegible] Fragments of [illegible] [illegible] Td above

TA 741 SAUNDER POND AUG 29

GOE 70 SE AMP INTERBED IN MICA GNEISS

[illegible]

[illegible]

TA 78 Aus

n dam terrace red sl[illegible] Mtx abdt lithic
fragments included round quartz granule
SS Gobbles & pbles
TA 791 at Whitehouse substation of Southside
ectric Coop N65E 85SF act schist beneath old
ted red terrace weathered qtzite granule
obbles
TA 841 A+B spls of mod to coarse
eta sandstone wth qtz grains and yellow
ent
A 871 Altered diabase from powerline

TA SW331 AUG 29 1990

LAYERED FElsite gneiss in lyg

Looks like Danville FV unit

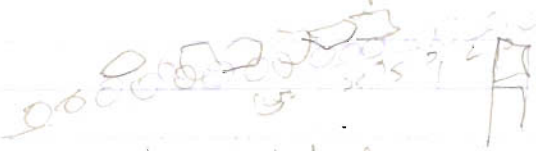
TA SW 321

Good blocks of garnet mica schist

(Garnet gravel unit)

TA SW361 Stream channel deposit ended

obbles and bldrs up to 2' across, mica schist



VILLAGE NORTH

ALLANDALE DRIVE

prolite is mottled directly beneath N50E 50SE

tz stringers, terrace is also mottled

TA SW SEPT 4, 1990

mica amphib bldr in highly lineated brown

11-2-00 MONETA QUAD

MTA 121 cg bio gn, mylonitic Fol.

MTA 122 cg banded leucogran gn. mylonitic overprint N45E 52SE pavement exposure in stream

MTA 111 oriented spl of cg b+w bio Flaser gneiss N40E 50 SE

MTA 112 N40E 60SE cg annealed blastomylonitic qtz Feld gneiss

MTA 113 N40E 80SE cg Flaser bio gneiss, annealed qtz Feld bands, bio bands and mica schist bands closely spaced - cm

MTA 114 oriented spl of biotite B+W bio Flaser gn N60E 60SE lin N80E 45NE Feldspar rods

MTA 191 med cg biotite gneiss w/ granoblastic - elongate Fabric, hbd pl, coase biotite plates, coarse bluish gray qtz p-clasts "coarse pin stripe compositional banding

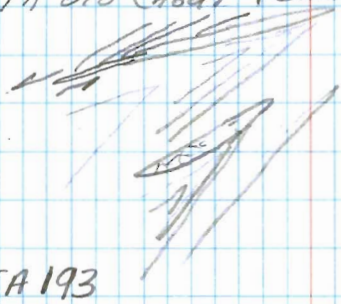
MTA 271 cg hbd bio gn N80E 60 NW

MTA 272 Mass banded - 6-8' hbd and leucogran gn across broos ck 50' OC.

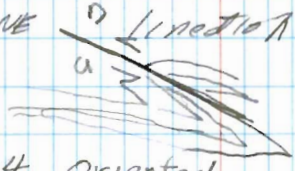
MTA 273 N54E 44SE 10' hbd gn/sch ledge offset ? 3½ across ck

MTA 192 N35E 50SE cg b+w mylt bio gn
with qtz feld discs flattened
along foliation. 20 al banks
across goose Ck

Tightly appressed chevron folds
in bio Chbd foliation



MTA 193
N60 E 60 SE shear zones
N85E to NE




Lineation in shear zone
down to
NE

MTA 194 oriented nbd sch/gn
N48E 50 SE
MTA 431 N80E 40-50 NW Sil my
or breccia Spl

DIETZGEN NO. 385-3

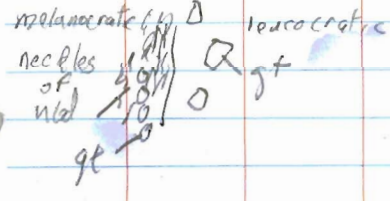
MTA 242 N15E 54 NW jointing
bounds ledges of vcg p-clastic
bio augen gneiss w/ relict
banding finer grained grgn
Layering N 80 E 40 NW

MTA 243 N70E 70 NW gt bio
schist / gneiss with white
feld p-blasts red garnet
euhedra - stretching, mica streak
lineation N50E 56 NE

MTA 243 oriented garnet mica
gneiss spl

MTA 244 Photos of Shear Zones
along contact between
leucogranitoid gneiss
garet rich and hornbled
bio gneiss with psuedo
tachlite clots (photos)
N60E 80-85 SE some vert

A B



MTA 245

banded/ lineated hbd bio gn
Feld rodding n 80E 40 NE
banding N60W 80 SW

MTA 246

Banded biotite gneiss flatted
feldspar pbs, abdt garnet weath
bright orange

MTA 247 n 70E 80SE banded bio
gn w/ gt, quartz layers
and lenses down to SE

N

possibly large lithoclasts
plunging to NE N80E 50°NE

MTA 274 definate hbd gn/schct
bands begin Cedar trees in
woods N70E 74 SE banding

MTA 275 n60E 70SE cg gt pb augen
gneiss zone

MTA 276 fg dike rock or silicified
breccia w euhedral rhombic dodec gt
and som green bladed minerals on
ridge crest

DIETZGEN NO. 385-3

saprolite with feldspathic
neozomes and mica schist
layers — Stage road layered gn
area graded and deforsted now
heavy erosion - typical martinsville
of MFV soil piping saprolite. Relict
terrace qtz gravel on spur
11/29/00 MTA 411 Float Bldrs cg garnet-verous
bio gran gneiss ~ ash
MTA412 Abdt Qtz cobbles and
bldrs in stream channel - heavy mica
siltation from 122 const/or solid
waste transfer site
MTA 443 New solid waste transfer
site w/ 5 acre impact
MTA 444 Large quartz bldrs
and cobbles derived from
old td on top of hill now
in stream
MTA 413 hbd gn / bio garnet gneiss
hbd - nematablastic / bio garnet
granoblastic elongate qtz qt bio ksparplag
N50E 60SE Foliation
MTA 421 N68E 62SE lineated qtz bio
gneiss/schist w/ grn-gray calc silicate pods
hbd layers, mica lineation, some hbd needs

Stream still red with clay and mica silt from construction upstream

MTA 422 N 60 E 68 SE hbd bio gn ledge, thin ~1" comp banding

MTA 423 N 60 E 65 SE leucocratic qtz-fold bio gneiss (meta arkose or tuff interlayer?

MTA 423 N 54 E 65 SE coarse metagraywacke w 1mm elongate qtz sand grains, K-spar and biotite + some stretched pebbles

MTA 424 N 60 E 66 SE coarse mgN

MTA 425 N 52 E 80 SE tightly flow folded compositional layering in hbd-bio gneiss fold hinges N 60 E 20 NE

MTA 426 cut bank/slope is faceted by V shaped gullies — natural or prospects?

MTA 427 N 60 E 65 SE coarse hbd bio gneiss rodded porphyroclast plunge S 80 E at 60° S E

DIETZGEN NO. 385-3

MTA 428 N50E 50SE med gr
b+w gt bio gneiss w lenses or relic
clasts some with gt mtx

MTA 429 N70E 85NW cg bio gneiss
OC on point N60E 65SE
MTA 210 N60E 70SE lt gy stp text
flaggy to massive med granoblastic
granitoid gneiss (looks like Bussett)
MTA 211 N50E 60SE cg mylonitic
bio flaser gneiss, qtz ribbons
4' beaver dam ~ 50 yds upstream
N50E 75SE stp grn
MTA 181 N60E 60SE massive layered
mylonitic biotite gneiss on
Ne side of ck
Beaver sighting between 1 & 2
MTA 182 N64E 60SE ledges of
p-clastic bio flaser gneiss
with folded granite dikes
large rotated garnet p-bs

1 inch

MTA-512 N60E 80NW coarse amphibole gneiss with Vermiculite pbs after garnet? ~ 1½" books in new basement cut

Spencer Tensley Retired Extension
MTA431 massive pavement of med grained bio gran gneiss = metagraywacke N60E 70SE
bio foliation
MTA 432 N 60E 60SE bio gneiss, leucocratic layers (spl)
MTA 433 Coarse gt bio gneiss ledges along creek bank N60E 60SE
MTA 434 Hbl gneiss mass/flaggy on point ~ 75' above ck N 66E 80SE
MTA 4212 N 55E 75 SE cg b+w banded, Flaser textured granite gneiss = Stuart Creek

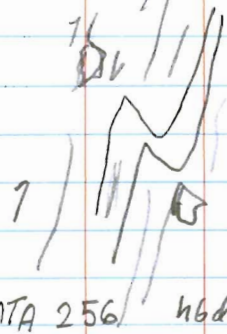
DIETZGEN NO. 385-3

make massive water falls

MTA 253 N60E 75SE coarse lineated bio-augen gneiss Flattened ellipsoids plunge N50E 18NE

MTA 254 N40E 60 SE massive jointed oc in stream N40E 60SE bt w bio gn with polygran p-clasts and euhedral red garnet pblasts, amp schist. Float on hill to SW

MTA 255 N40 E 50SE garnetiferous biotite gneiss qts up to 3/8" (4mm) Folded quartz veins qts both show down to NE



Foliation N45E 60SE

Lineation N60E 34

MTA 256 hbd bio gneiss oc at drainage

MTA 257 N 60E 80SE Lin N88E 50NE elongate qtz pbl and coarse grit sized qtz elipsoidal grains very well preserved clastic text

MTA 258 N 50 E 75 SE Qtz/to
layer in cg lineated, pebbly bio
gneiss
MTA 259 N 60E 58 SE cg btw -
dk gy bio augen gneiss with
finer biotite rich layers
Fractures stained by sulfate
and iron deposits
Porphyroclasts up to 1" still with
rectangular outline
wrapped by coarse biotite plates
Lineation plunging steeply NE
(N70E 40NE) Sample
HUNTINGTON HEIGHTS
MTA 2313 Coarse bio gneiss
Saprolite, brown bio float
N 56 E 72 S E. Feldspar augen
in float up to ½"
MTA 2314 N 34E 80SE cg qtz schist
sap OCs in road bank (LOT
MTA 2315 Med grained bio gneiss
metagraywacke sap in road bank
MTA 131 N 60E 80SE qtz schist/qtzite
in gneissic saprolite below td
MTA 132 N 58E 68SE layered gneissic

DIETZGEN NO. 385-3

NOV 27 2000

MTA 263 Holdrens Farm, son has sulfur water, qtz vein on hill

MTA 265 ~~[illegible]~~ N59E 75 SE mgy coose mica sch / gneiss sap in stream bank

MTA ~~[illegible]~~ 233 N40E 75SE lineated hbd gn streaking, lineation hbd N30E 50

MTA 234 N50E 60 SE Fg meta graywacke / mica schist beds in stream bed

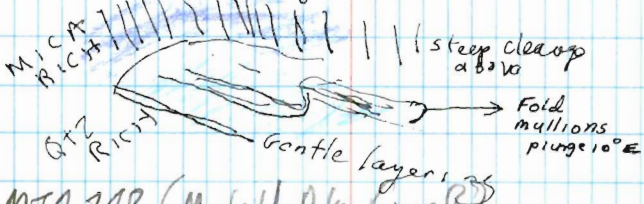
MTA 234 N45E 80 SE Massive ledge of garnet b/w gneiss (calc silicate qtz rock) N45E 80SE

MTA MTA 235 N60E 70SE Cg ledges of b+w biotite augen gneiss, strong lineation 1/2 - 3/4" augen ledge of qtz pbl cgl between 3+4

MTA 236 N 50E 60SE Cg Flaser gn

MTA 237 Cg gt qtz gneiss on meta qtz wacke cleavage is gentler than layering 20 to SE

MTA 238 metagraywacke ledges along creek
N60E 50 SE
MTA 239 cg augen bio gn P7 [illegible] 65
EW 45 [illegible] lineation
MTA 2310 N60E 75 - 90 NW
mylonitic bio gneiss
probable basement
MTA 2311 N60E 20 SE compositional
layering in cg granoblastic elongate
textured biotite gneiss cleavage in
schistose ledges N60E 70 SE




MTA 248 (Mack Up Dike Farm?)
N30E 70 NW dk bio schist layerin
brown granatoid saprolite 1" feld
p-blasts floating
MTA 252 N58E 70 SE cg bw bio augen
gneiss, coarse white-clear
polygonalized K feldspar porphyroblasts
strong cataclastic - mylonitic
fabric wide spaced joints

DIETZGEN NO. 385-3

MTA 722

S80W

MTA 761

MTA 722 OC of chl-act schist, tan sap
must be either uni. vol. or meta cont

MTA 761 Mica schist band in mass gneissic
Sap N 45E - 66 SE - fault off-setting s[illegible] band

N66E vert

limonite
silica
musc

MTA 491 mass, fg amp sap - musc [illegible] limon

MTA 471 AUG 24 [illegible]

MTA - qtz, ilmenite magnetite sand in
subsoil ditch - td Mass gran amp - mica
sap up hill

MTA 20-30' cut in curve med - [illegible]
Moneta 2 mica gneiss interbedded with
Med - Coarse amphibolite - meta gabbro

TA 711 Ditch shows interbeds [illegible] amphibolite
~3' in qtz fed m[illegible]
Peg stringers

TA 721 the Topo shows broad Flat [illegible] dips [illegible]
70-15° and green mica gneiss [illegible]

MTA 661 spl of typ salt and pepper qtz AUG 15 musc bio gn

MTA 674 N45E 60 SE Cg - mg bio gneiss blocks in micagneiss mtx - melange blocks?

MTA 551 AUG 16 1990

Typical lyg Fg salt and peper lithic meta sandstone

MTA 541 N68W 60NE amp layer in bbd bio gneiss sep foliation cuts across layer

Foliation N60E 75 SE

Have you ever heard a goat bell moving fast through the chap[illegible]

MTA 451 AUG 16 199[illegible]

SAP CONTACT AMP / TAN WEATH GRANIT GNE[illegible]

N55E 78 NW

MTA 671

MTA 672 tightly folded qtz mica gneiss Pyrite bloom on crop, overlain?/by coarse mica blastic pebble gneiss qtz-feldspar rock fr[illegible] up to 1/2" diam ~ 2" - 3" long [illegible]

Muscovite [illegible] ? Phyrophyl [illegible] above 3spls

TA 673

Then mass chl - vermiculite talc? rock um dike or meta limestone bd - above is a sequence of fg granitic

TA 674

(barren) qtz felb b/o gneiss qtz musc garnet schist and suspected calcareous zones

MTA 311 Aug 10 1990

n56E 65 SE Mica gneiss sapprite, leucogranitoid layers, muscovite schist layers, silty cly soil deep red qtz cobbles, let down terrace above Pos. cgl layers, pos

MTA 231 in new drive, interlayered bgn hbl-brown, bro sch, bro-musc sch w pebble sized mafic (red clay) porphyroclasts mafic lapilli?

MTA 261 Aug 9 1990

Sap crop mass foliated Mica Spot

amp, yellow orange granular sapolite with muscovite?

clots dist. through rock - vesicles?? ?

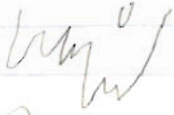
steeply NW, interbedded in mica gneiss (fine)

MTA 262

good crop - sap along ... interbedded hbd bio

gn, bio gn, bio sch, fg granitic gn

refolded folds along foliation



hinges plunge N80E 73°

up folded

MTA [illegible]3 AUG-14 90

OC [illegible] upper [illegible] [illegible]

"meta arkose or meta [illegible]

Aug 14 90

MTA 524

Good sand deposit in terrace at bend, heavy siltation in creek mass ocs across stream

Canoeable

Flow boundary breccia?

AUG

MTA 68 1

upper volc unit, well layered amphibole gneiss alternates mafic - felsic - intermediate

comp N45E 68 SE

MTA 682 upper Volc unit well layered garnet [illegible]

MTA 531 AUG 13 1990

Folded MFY [illegible] in stream

Ap N65E 65 SE
hinges plunge 50°
at 530 W, good
lineation looks
like tree bark

MTA 371 layered gneiss, bio sch rg mica amp? sap

MTA 411 N50E 79 SE bio sch with granitoid
bldr?

Aug 14 1990

MTA 312 banded micaceous sap bio sch, amp
bands N 20E 85 SE

MTA 521 oc of pb'y [illegible] musc fold gAUG 1[illegible]
gneiss, angular [illegible] med gr
ang tornd qtz and rx pb[illegible] up to 1 [illegible]

MTA 522 Fg granitic gneiss with coarse granite [illegible]
Stringers

MTA 523 amp [illegible]
[illegible]terfolial folds — ap N45E 55SE hinge EW 60°E

MTA 251 Aug 15 [illegible]

Basement cut through heavy red clay with red qtz cobbles into Lyg musc gneiss bedding N47E 45SE

MTA 263 Aug 13

∝ in eroded old road mica gneiss [illegible] with granitoid and mafic bands N [illegible]0E [illegible] qtz cobles red Colluvial soil above [illegible]

MTA 264

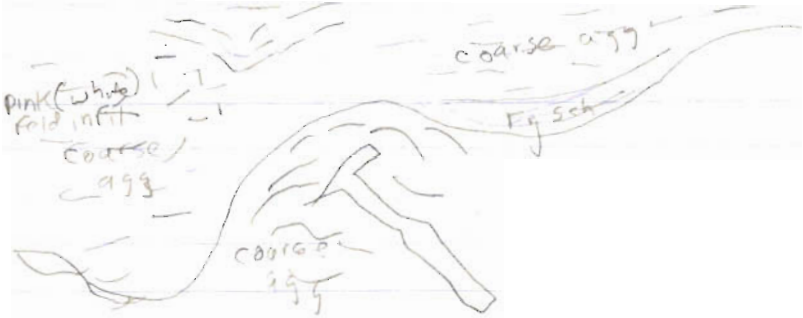
borrowpit in banded mica gneiss [illegible] saprolite folded, synclinic ✓ verging SE

SE Limb strikes N8W dips 70NE

NW Limb strikes N50E 70SE

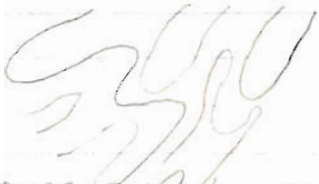
MTA 131 Aug 1

cxc. oc amphibole gneiss & schist w/ pillow structures - good field stop



MTA 911 AUG 14 1990

MELANGE Unit ABOVE UPPER VOLCANIC UNIT Qtzo Foldspathic clasts up to 200mm Amp blocks up to 1m diam. Interference Folds in Hbd-bio gneiss



MTA 951 oc of green mst meta basalt

MTA 451 Cut in terrace reveals at least 6' of deep red slty cly mtx with some relict. qtz + feld sand grains and some pebbles.

MTA 941 By MTA PHARMACY TD CONTAINS Fine qtz (rnd) 10% heavy minerals - 3-5% and red clay (weathered feld? ferry mins?

MTA 141 ~6-10' Td then bgn sap, qtz veins

MTA 142 20'
- sandy clay - y/w orge
- gy sl tycly pure qtz
- orange sndy clay rnd qt
- bldr bed

MTA 144 Black and white med-cg lineated qtz Feld bio gneiss, orange garnets in qtz-Feldspar macses Calc gneiss? Pebbles

MTA

GTA 661A

[illegible] 10 NE E FOLIATION SURFACE

N50E 70[illegible] [illegible] foliation coarse

biotite

equigranular - porphyritic granitoid

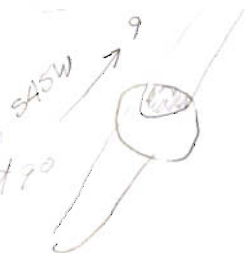
GTA 661B NS 4° E,

1C N45E [illegible]

1D is a rod

shaped xn [illegible]

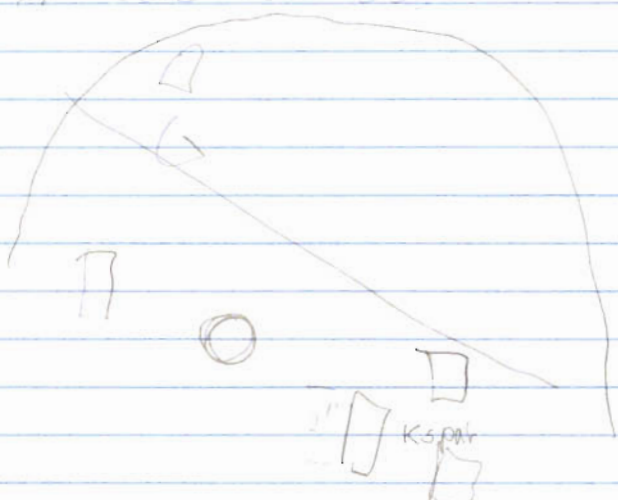
plunging SW at 7°



MTA 131

N80W 9NE elongate phenocrysts

surface of Coll NS 30E



# MIK

MIK 971 OCS of cg hbd me[illegible] Foliated
hbd granodiorite on top N 65E 45 SE
MIK 951 dark mica schist w/ Felsic
interbeds - alaskite - aplite
Wednesday 8/10/94
LIS 751 spl. has myl (pb)
fabric large diabase

MTA 3[illegible]A
N80E 80 SE flow [illegible]
bldr surface N10E 45SE
N20E ~ vert pseudo-[illegible]

MTA 311B

LW with pseudotachylite dike

N 55 W 56 NE Veins strike

N 20 E photos on N and S

side N Side S side