May 17 1995 US Highway 38 4 lane proj
SRT-271

① N 75 E 65 SE
sub horizontal fracturing, strong NW jointing
inter layers — 10 - 20' OF coarse mica sch
or metagraywacke!
② N65E 70 - 75 SE 15' mica schist layer
③ N55E 65 SE fg pinstriped bio gneiss, thin amp-garnet layer.

SRT291
① N58E 45 NW 3" amp layer in MGW N75E 35-45 NW
② amp schist sap amp in well
③ amp schist N80E 89 SE
④ White mica schist / chlorite schist
⑤ amp sch N 70E vert ⓒ N 75 E 80 SE
SRT 291 N75E 70SE wh mica schist
292 cl 2486 N80E 68 SE MGW beds

SRT 293 N75E 60SE MGSS MGW w qtz blebs
SRT 294 amphibole schist N 80 E 78SE ~50' of white qtz mica sch/quartzite below contact
SRT 295 N 78 E 62 SE coarse amp gn
S70E 40° S 60W 45
N 30 E
chl phyllite

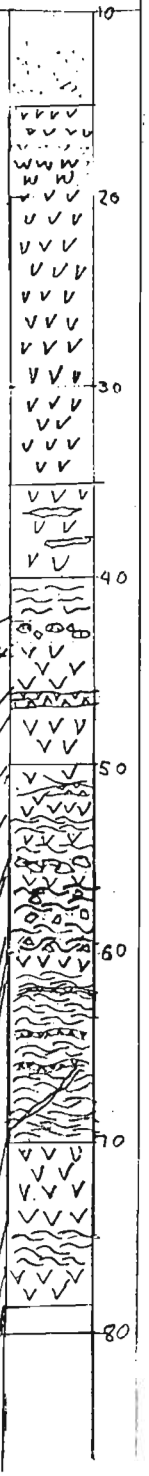
SRT296 N70E 72 SE
N60W 80 SW
SRT 297 EW 75S
SRT 298 N70E 60SE coarse mica schist /
N60W - N84W dip 70 - 80 NE well layered
hbd gneiss
SRT 299 N 80E 65SE

SRT 2910 N55W 26 SW Mica sch/gn marble?
saprolite 200' up hill, N25W 16SW on
MGW OC S70W 20 SW Z folds
SRT 2911 ~5° dip SW in cut

CORE P2 — US HIGHWAY 58

MAY 17 1995, ALLIGATOR BACK FM — W.S. HENIKA

14.5	Amphibole Gneiss, dk-GRN TO GRNISH GRY. COARSE TO MED. GRAINED
18.8	Amphibole gneiss, dk GRNISH BRN WEATHERED AND CRUMBLY.
34.6	AMPHIBOLE GNEISS, DK GRN & GRNISH GRAY, BANDED WITH QTZ AND FELD. SPAR LENSES.
40.7	CHLORITE-AMPHIBOLE SCHIST, DRK-GRNISH-GRY, MYLONITIC FABRIC, STREAKING LINEATIONS
42.2 to 43.6	COARSE VUGGY TO SCOREACEOUS, EPIDOTE QUARTZ + PYRITE MASSES
43.6 to 46.4	AMPHIBOLE GNEISS, COARSE-GR. DK-GRN - WHITE BANDED
46.4 to 47.4	CALCITE, WHITE, COARSE XLINE WITH INTERDIGITATED CHLORITE-AMP SCHIST, EPIDOTE AMYDULES, DES. PYRITE. (MRBLE)
50.2 to 52.7	AMPHIBOLE GNEISS, BRN STAINED WITH CALCITE VEINS
52.7 to 59.7	AMP. GN. AND CHL. SCH. ZONES W/ OBLIQUE PLUNGING LINEATION ON FOLIATION PLANES
55.0 - 56.2	BROKEN ZONE IN COARSE AMP SCH., CHL AND POSSIBLE SERPENTINE
56.2 to 59.1	FRAGMENTAL CHL-MICA SCH., DK-GRN. W/ BRN VERMICULAR MICA INTERLEAVED IN BANDS OF CHL., LG QTZ-ALB INFILLS (LITHIC TUFF-BRECCIA ?)
59.1 to 60.1	COARSE FRAGMENTAL CHL-AMP SCH
60.1 to 61.5	COARSE CHL-AMP GN(SCH) OR METABASALT
61.5 to 69.6	LT.-GRNISH-GRY, CRENULATED CHL PHYL. CALC. ALONG SEGREGATION. WHITE QTZ-FELD VEINS
69.6 to 73.1	COARSE AMP SCH TO GN, WHT QTZ FELD SEG LAYERS
73.1 to 74.4	COARSE, GRN. CHL PHYLLITE



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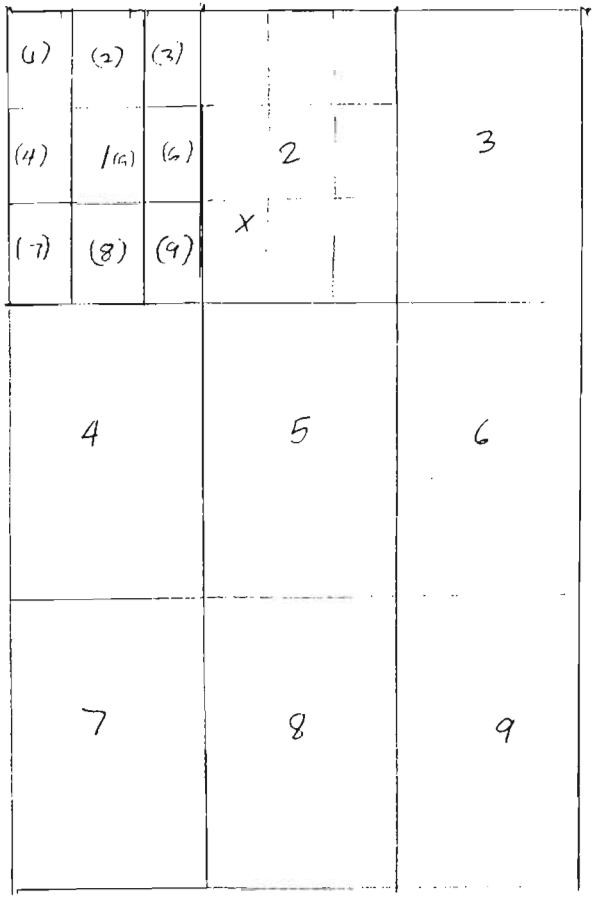
US HIGHWAY 58 PROJ.

SYSTEM

STUART QUADRANGLE = SRT



MAY 17, 1995 — US HIGHWAY 58

SRT 271 = X

MGW = MIXED METAGRAYWACKE - MICA SCHIS. QUARTZITE UNIT, POSSIBLE BANDED MARBLE (SAPROLITE) LAYERS

MB = METABASALT UNIT WITH PHYLLITE AND LITHIC TUFF BRECCIA INTERBEDS SOME CALCAREOUS ZONES MAY BE RELATED TO PILLOW LAVA HYALO CLASTIC UNITS

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⑤ amp sch N 70E vert ⑥ N 75 E 80 SE
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S70E 40° S 60 W -45
N 30 E
chl phyllite

SRT296 N70E 72 SE
N60W 80 SW
SRT297 EW 75S
SRT 298 N70E 60SE coarse mica schist /
N 60W – N84W dip 80 – 80 NE well layered
hbl gneiss
SRT 299 N 83E 65SE

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saprolite 200' up hill, N25W 16SW on
MGW OC S70W 20SW Z folds
SRT 2911 ~5° dip SW in cut

May 17 [illegible]

SRT 271

(1) N 75 E 65 SE

Sub horizontal fracturing, strong NW [illegible]

[illegible] layers – 10 – 20' of [illegible]

[illegible]

(2) N65E 70 – 75 [illegible] 15 mica schist layer

(3) N55E 65 SE [illegible] pinstriped [illegible] [illegible] amp [illegible]

layer

SRT 281

(1) N50E 45 NW 3" amp layer in MGW N45E [illegible]

(2) amp schist [illegible]

(3) amp schist N80E [illegible] SE

(4) [illegible]

(5) amp sch N 70E vert (6) N 75 E 80 SE

SRT 291 [illegible]

[illegible] N80E 68 SE [illegible]

SRT 293 N75E [illegible] [illegible]

SRT 294 amphibole [illegible] N 80 E [illegible]

of [illegible] quartz [illegible] below [illegible]

SRT 295 N 78 E 62 SE coarse amp [illegible]

S70E 40° S 60 W 45

N 30 E

chl phyllite

SRT 296 N70E 72 SE

N60W 80 SW

SRT 297 FW [illegible]

SRT 298 N70E 60SE coarse mica schist

N60W – N84W [illegible] 76 – 80 NE [illegible]

hbd gneiss

SRT 299 N 83 [illegible] SE

SRT 2910 N55W 26 SW Mica sch / [illegible] marble?

[illegible] N25W [illegible]

MGW [illegible] 20 SW [illegible]

SRT 2911 ~5° [illegible]

May 17 [illegible]

SRT 271

(1) N 75 E 65 SE

Sub horizontal fracturing, strong NW [illegible] inter layers – 10 – 20' of [illegible] or [illegible]

(2) N65E 70 – 75 [illegible] 15' mica schist layer

(3) N55E 65 SE [illegible] pinstriped [illegible] gneiss, [illegible] amp [illegible] layer

SRT 281

(1) N50E 45 NW 3" amp layer in MGW N45E [illegible]

(2) amp schist [illegible]

(3) amp schist N80E [illegible] SE

(4) [illegible]

(5) amp sch N 70E vert (6) N 75 E 80 SE

SRT 291 [illegible]

[illegible] N80E 68 SE MGW beds

SRT 293 N75E [illegible] MGW [illegible]

SRT 294 amphibole [illegible] N 80 E [illegible]

of [illegible] below [illegible]

SRT 295 N 78 E 62 SE coarse amp gn

S70E 40° S 60 W 45

N 30 E

chl phyllite

SRT 296 N70E 72 SE

N60W 80 SW

SRT 297 [illegible]

SRT 298 N70E 60SE coarse mica schist

N60W – N84W [illegible] 76 – 80 NE [illegible]

hbd gneiss

SRT 299 N 83 [illegible] SE

SRT 2910 N55W 26 SW Mica sch / gn marble?

[illegible] N25W [illegible]

MGW [illegible] 20 SW [illegible]

SRT [illegible] ~5° [illegible]

May 17 Core P 2 SRT 291

14.5 Amphibole gneiss, dk grn - grnish gry coarse - med gr

18.8 Amphibole gneiss - grnish brn weathered and crubly

34.6 Amphibole gneiss dk grn - grnish gray, banded with qtz and feldspar lenses

40.7 Chl amphibole schist, dk grnish gray,

42.2 to mylonitic Fabric, streaking mineral lineation

43.6 Coarse, vuggy or scoreaceous epidote qtz pyrite masses

43.6 to

46.4 Amphibole gneiss (metabasult) coarse grained dark grn - white banded.

46.4

SRT 293 N75E 60SE mass mgw w qtz elbs

SRT 294 amphibole schist N 80E 78SE ~50'

of white qtz mica sch, quartzite below contact

SRT 295 N78E 62SE coarse amp gn

S70E 40° S60W 45

N30E

chl phyllite

SRT296 N70E 72SE

N60W 80SW

SRT297 FW 75S

SRT 298 N70E 60SE coarse mica schist /

N60W - N84W dip 78 - 80 NE well layered

hbd gneiss

SRT 299 N 83E 65SE

May 17 1995
SRT 271

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inter layers - 10 - 20' of coarse mica sch
or metagraywacke.

(2) N65E 70 - 75 SE 15 mica schist layer

(3) N55E 65 SE fg pinstriped bio gneiss, thin amp-gneiss layer.

SRT 281
(1) N50E 45 NW 3" amp layer in MGW N75E 35-45 NW

(2) amp schist sap amp in wall

(3) amp schist N80E 89 SE

(4) White mica schist / chlorite schist

(5) amp sch N 70E vert (C) N 75 E 80 SE

SRT 291 N75E 70SE [illegible] mica schist

292 el 2486 N80E 68 SE MGW beds

Core P2

74.4 to 78.8 coarse amphibole schist or greenstone. Contains actinolite, chlorite, albite pyrite

Core P. 2

46.4 - 47.4 Calcite replacement zone or marble, calcite, white, coarse-crystalline with interlegitated chl-amp schist-gneiss epidote amydules, deseminated pyrite

50.2 Amph gneiss as above, brown stained fractures with calcite veins on surface

50.7 Amp gneiss as above

52.7 to 54.7 Amp gneiss and chlorite schist zones with oblique plunging streaking lineation on foliation

55.0 - 56.2 broken zone in coarse amp schist, chl and possible serpentine

56.2 - 59.1 Fragmental chl mica schist, chlorite