

Rite in the Rain

ALL-WEATHER
Geological
FIELD BOOK

No. 540 F

Statemap

2003-2004

Antelopes, Carhart pants, wool socks



"Rite in the Rain"
ALL-WEATHER WRITING PAPER



ALL-WEATHER GEOLOGICAL FIELD BOOK

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Project _____

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Location _____ Date _____

Project / Client State Map 2003-2004Location Deer Quadrangle Date 7-21-03Project / Client State map 2003-2004

Scale _____

① Mouth of Wolf creek and Cave Branch.
 $35^{\circ}51'39.1''$ \neq Contact:
 $93^{\circ}09'08.9'' \pm 30'$ Pitkin/Payetteville
 Cave in upper Pitkin, interbedded
 shales.

② Contact b/t Pitkin and Cave Hill
 ~~$35^{\circ}51'41.6''$ $\pm 23'$ covered slope
 $93^{\circ}09'06.2''$ on trail.~~

③ Contact - Middle Bluff 55 / Lower Bluff
 Contact covered (Rd to Wolf Cr)
 $35^{\circ}51'14.9''$ $\pm 20.4'$
 $93^{\circ}09'10.9''$

④ Road to Limestone about half way
 down the hill Contact b/t Pitkin
 and Cave Hill.
 $35^{\circ}48'11.5''$ $\pm 19'$
 $93^{\circ}14'38.2''$

⑤ On the road to Limestone, Contact
 b/t Cave Hill and Prairie Grove.
 N80W 30° NE
 $35^{\circ}48'18.2$ $\pm 15-20'$
 $93^{\circ}14'38.0$

Sharp Contact, Unconfirmable

Location Limestone Rd Date 7-21-03
 Project / Client Statemap 2003-2004

⑥ Contact b/t Lower Blloyd / Prairie Grove
 $35^{\circ} 48' 23.6''$ covered along
 $93^{\circ} 14' 29.3'' \pm 22'$ road

⑦ Contact MBSS / Lower Blloyd covered
 $35^{\circ} 48' 28.3''$
 $93^{\circ} 14' 18.7'' \pm 24'$

7-23-03

⑧ County Rd 54, South of Mt. Judea
 Possible Contact b/t Boone & Hindsville?
 $35^{\circ} 52' 03.3''$
 $93^{\circ} 03' 59.6'' \pm 21'$ Oolitic

7-29-03

Drove from Pelsor to Ft.
 Douglas up Parker Ridge Rd.
 to look @ section.
 Deer quad from Parker Ridge
 Rd. to Hurricane Creek.

⑨ Contact: MBSS / Lower Blloyd
 covered slope Deer Quad
 $35^{\circ} 46' 28.8'' \pm 24'$ Hurricane Cr.
 $93^{\circ} 10' 18.1''$ Rd.

Location Hurricane Creek Date 7-29-03
 Project / Client State Map 2003-2004

Scale

⑩ Contact: MBSS / Lower Blloyd
 $35^{\circ} 46' 28.8'' \pm 25'$ covered
 $93^{\circ} 10' 18.1''$ along Rd

Walking up Hurricane Creek
 Joint set $N25^{\circ}E$
 $N70^{\circ}W$.

⑪ Pitkin up the creek cont.
 forms bed of creek and
 small bluffs. $35^{\circ} 46' 47.5''$
 $93^{\circ} 9' 46.8''$

⑫ S of fault that crosses
 Hurricane Creek - Cane Hill
 $N80^{\circ}E$ $35^{\circ} 46' 14.9''$
 $20-21^{\circ} S$ dip $93^{\circ} 9' 32.4'' \pm 23'$

⑬ Fault Cane Hill / Pitkin
 $N75^{\circ}W$ $35^{\circ} 46' 15.5''$
 $26^{\circ} S$ dip $93^{\circ} 9' 34.0'' \pm 17'$

⑭ Fault: Hurricane Creek
 Prairie Grove on North side of
 fault, Calcite veins abundant
 $N72^{\circ}E / 26^{\circ}N / NW$ $\pm 19'$ $35^{\circ} 45' 7.2''$
 $93^{\circ} 8' 48.5''$

Location Hurricane Creek Date 7-29-03Project / Client Statemap 2003-2004

A two foot conglomerate

29°NW; N35°E 35 45 5.5

± 19' 93 8 49.9

Followed fault down creek to
this point.Joints: N5°W; N85°W; N60°E
N50°W

Steel Creek 7-30-03

Took a forestry road down
to Steel Creek. Pitkin in
Creek.Joints: N10°E; N60°E
N80°W; N50°WToo covered & cloudy to get
a GPS point. Deer Quad

⑮ Fault: N48°E, Dip 13°SE

Contact b/t Pitkin & Cane Hill?

35 46 41.0 ± 20' in Creek bed

93 13 12.3

Pitkin covered but good
outcrop of Cane HillLocation Still Creek Date 7-30-03Project / Client Statemap 2003-2004

Scale

⑯ Fault: Dip 29°S; N80°E

Contact: b/t Pitkin & Cane Hill?

Contact seen v. visible in creek

out. 35 46 39.3

93 13 21.5 ± 18'

Fault is probably just NW of here

Falling Water Creek 7-31-03

⑰ Pitkin scene in river bed

Joints: N45°E, N50°W, Dye E/W
Vein running ± N5°E (70°)

35 46 23.1

92 56 1.4

± 25' Moore
quad

⑱ Contact: Cane Hill / Pitkin

5-10' black shale b/t Pitkin

and Cane Hill

± 25' 35 46 16.8

2' Cong. contains

concretions, small black shale pebbles
red shale pebbles, crinoids

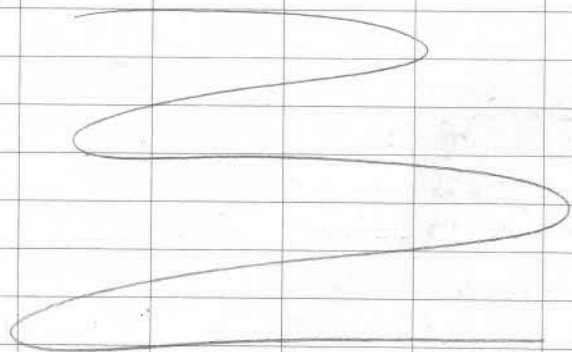
Location Falling Water Creek Date 7-31-03
 Project / Client Statemap 2003-2004

⑨ Fault: Cane Hill/Cane Hill
 Thinly bedded shale w/
 layers of sandstone. Above
 thin layers @ H₂O level
 there is a shale bank then
 a massive sandstone,
 possibly Witts Spring.

- N65°W, Dip 5°55'W (more South)
- N70°W, Dip 0°5'

2 Fossiliferous zones seen
 shales, to inter bedded
 ripple marked sandstone to
 more massive

75 45 51.9 ±25
 92 56 7.8

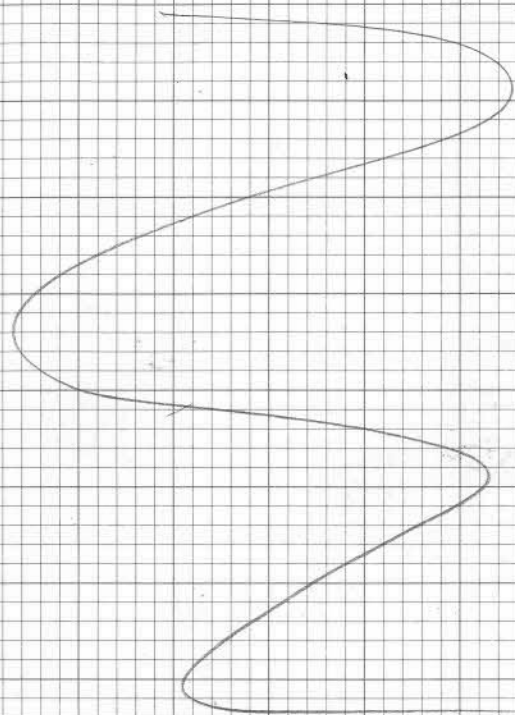


Location Alum Cove Natural Bridge Date 8-4-03
 Project / Client Statemap 2003-2004

Scale

⑩ Contact: b/t Middle Blayd & Lower Blayd
 35 51 50.8 ±21'
 93 14 9.6

Joint on Natural Bridge trending N65°E
 N35°W



Location Richland Creek. Moore ^{Quad} Date 9-9-03
Project / Client State Map 2003-04

(21) Joints running $35^{\circ}E, 5^{\circ}W, N85^{\circ}E$
Top of Pitkin in Creek $75^{\circ}W$ (offset)

Massive SS boulders in the creek
oolitic and sandy on the top.

35 47 55.7 $\pm 20'$
92 56 23.9

(22) Pitkin ls in Creek and on Bluffs
extending upward $\approx 40-80'$

Approx 5° dip towards the S/SE

Strike: $N70^{\circ}E$ 35 48 14.2 $\pm 24'$
92 56 50.4

(23) Pitkin Dip: $70^{\circ}W/NW$ Strike: $N25^{\circ}W$

35 48 21.0 $\pm 25'$
92 57 45.0

35 48 23.0 $\pm 24'$
92 57 50.8

(24) Pitkin rocks dipping @ approx. $20^{\circ}N/NW$
at the creek above twin falls on Big
Devils Fork. Possible fault but can't see
it on the surface. Strike: $N35^{\circ}E$

Joints
 $N10^{\circ}E$
 70°
 30°
 40°



Location Richland Crk Moore Quad Date 9-9-03
Project / Client State Map 2003-04

Scale

(25) Pitkin where Devils Fork & Richland
Creek meet. Dip: $70^{\circ}S$

35 48 15.6 ± 21 Strike: $N80^{\circ}E$
92 57 34.9

(26) Richland Creek Falls (Pitkin)

35 48 2.3 \pm
92 57.370

(27) Pitkin present in 9-10-03
Creek & surrounding area.

Interbedded shales, nice coral
samples, v. fossiliferous.

35 48 26.0 ± 25 Some clasts of
92 55 00.5 ± 25 Black chert

Very jointed with lots of solutioning
Joints: $N40^{\circ}E, N50^{\circ}W, N70^{\circ}W$

(28) Contact b/t Pitkin & Witts Spring/PMC
Pitkin dipping slightly to the South/
SW in the creek. Lots of crinoids,
Archimedes, and gastropods.

35 47 32.7 $\pm 23'$ $N50^{\circ}W$
92 58 03.4 $90^{\circ}W/5W$

(29) Contact: Pitkin, Cane Hill/Witts Spring
Diagonal across creek

35 47 27.5 $\pm 24'$
92 58 07.5

Location Richland Co Moore Quad Date 9-10-03Project / Client State Map 2003-04

(30) Pitkin in Creek bottom seems to
 35 47 20.9 $\pm 22'$ be very
 92 58 29.9 local
 (Deer Quad) 9-11-03

(31) Cub Creek, tributary to the
 Hurricane Creek. Possible
 contact b/t Cane Hill & Prairie Grove
 in Creek. 35 46 12.0 $\pm 31'$
 93 08 40.8

(32) Contact: Cane Hill / Prairie Grove
 Fault cutting thru running
 almost E/W dipping approx.
 55° to the S/SW. Strike: N50°W
 35 46 22.3 $\pm 21'$
 93 08 31.8

(33) Pitkin in Creek bottom. Joints:
 35 46 37.4 $\pm 20'$ N/S, 80W
 93 08 29.2 N50E, 60W
 Covered on the banks 40W
 and parts of the creek w/ ss boulders

(34) Contact: Cane Hill / Pitkin down
 35 46 52.9 $\pm 30'$ in Creek
 93 08 18.5

Location Cub Cree & Deer Quad Date 9-11-03Project / Client Statemap 2003-04

Scale

(35) Pitkin? in creek bed. Covered
 w/ ss from two drainages
 coming together. Slightly dipping.
 35 47 15.1 $\pm 28'$ 13° N/NE
 93 08 03.7 Strike: N80W
 Joints: N45E, N25W, N15

(36) Cane Hill cutting diagonally across
 the creek. Contact w/ Pitkin
 just south of point.
 35 47 17.8 $\pm 27'$
 93 08 03.0
 Joints: 15W, 45E, SE, 45W, 70W

9-17-03 Upper Richland Creek
 Moore Quad

(37) SS in Creek bed, possibly
 Cane Hill? Fault nearby.
 Joints: N70W, 40E Pitkin to
 the North
 35 47 17.5 $\pm 17'$
 92 58 33.3

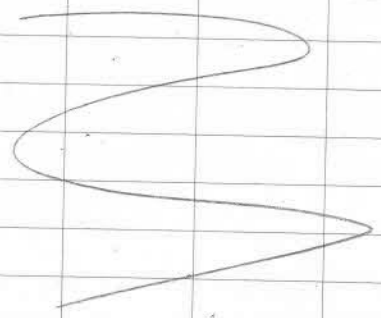
(38) Spring coming out of the side of
 the hill next to the creek.
 35 46 46.6 $\pm 20'$ Rocks: N70W strike
 60° SW Dip
 92 58 45.7 SS above road

Location Meeks Hollow Quad Date 9-17-03
Project / Client Statemap 2003-2004

(39) Sandstone approx. 30-40' up the bank from the creek. Appears to be Prairie Grove. Shale below & in 35 47 9.8 creek bed appears to be Cane Hill. 93 00 25.5 Fault would be south of here

(40) Steeply dipping rocks in what appears to be the Cane Hill. 35 47 6.2 ± 18' Dip: 21° ± S 93 00 17.0 Strike: N10°E Fault passes thru here or near here

(41) Thinly bedded ss in creek & banks 35 46 54.7 ± 17' Dip: 10° E/SE 93 00 8.3 Strike: N80°E



Location Right Fork Big Creek Date 9-22-03
Project / Client Statemap 2003-04

Scale

(42) Contact: Fayetteville / Pitkin approx. 20' higher. Lots of boulders 35 51 50.1 ± 25' in the creek. 93 10 13.9

Hurricane Creek Deer Quad 9-23-03

(43) Pitkin in creek and in the bluff. Inter bedded w/ shale. Lots of crinoids & brachiopod impressions. Found 3 fairly (9 in total) large copperheads as well.

35 47 2.2 ± 25' Approx. 10' or 93 10 38.7 clay shale above the Pitkin in the creek & then ± 10-15' of more fine grained ss.

(44) Contact: Pitkin / Cane Hill Contact covered in creek.



35 47 28.3 ± 23' Overcast skies & dense forest 93 10 52.7

Location Lonesome Hollow Date 9-23-03Project / Client Statemap 2003-04

- (48) SS bluff above Pitkin in creek in Lonesome Hollow. Possible Mairie Grove or part of the Cane Hill. White med. grained SS w/ iron cementation.

35 47 4.7 ± 21'
93 09 48.4

- (46) Contact: Pitkin/Cane Hill in creek. Covered w/ rubble but a nice shale layer is visible. Shale is limonitic.

35 47 15.0
93 09 50.0 ± 25'

Hurricane Creek

- (47) Fault: Continuation of #14, ~~minimum~~ contact b/t Pitkin & Cane Hill. Heavily jointed, and fractured.

35 45 9.9 ± 31'
93 08 22.7

(Behind the house, in the creek)

Joints: N/S, N80°W, N50°E, E/W
N20°W

Dip amount of Pitkin: 5°

Dip dir: N Strike: E/W

Location Hurricane Creek Deer Quad Date 9-23-03Project / Client Statemap 2003-04

Scale

- (48) SS in creek. Possible Cane Hill.
35 45 16.1 ± 17' Appears to be
93 08 27.2 dipping @ 16-18°
Strike: N25°E

Steel Creek Cnty Rd 310

9-24-03

- (49) Fault: Contact b/t Pitkin & Cane Hill on Frught Rd. Fault is covered and there's not a good place to take a dip.

35 46 45.8 ± 24'
93 14 30.0

- (50) Pitkin in the bottom of Still creek.
35 46 20.8 Dipping: 4° E
93 14 46.0 ± 26' Strike: N5°E

- (51) Contact: Pitkin/Taylorsville close by. Covered in creek.

35 46 26.6 ± 23'
93 15 22

- (52) Pitkin bluff along creek
dip: 17° E/SE Strike: N10°W

35 46 20.8 ± 18'
93 14 34.8

Location Still Creek Date 9-24-03Project / Client Statemap 2003-04

53 Upper Pitkin in creek cut. Doesn't appear to be dipping. Very silty and fine grained.
 35 46 22.7 $\pm 20'$
 93 14 29.5

54 Contact: Pitkin / Cane Hill? ss in creek inter bedded w/shales.
 35 46 24.8 ± 24
 93 14 25.0

55 Cane Hill in creek bed. Slight dip, Fault must be to the north of here.
 Dip: $20^\circ S/SW$ Strike: $N80^\circ W$
 35 46 35.6 $\pm 27'$
 93 14 1.5

56 Cane Hill in creek. Dip: $9^\circ S/SW$
 Strike: $N80^\circ W$
 35 46 34.1 $\pm 26'$
 93 13 59.4

57 Cane Hill in creek goes almost flat maybe a slight dip.
 35 46 33.2 $\pm 25'$
 93 13 58.2

Location Still Creek Date 9-24-03Project / Client Statemap 2003-04

Scale

58 Cane Hill in creek. Dip: $9^\circ S$
 35 46 34.3 Strike: $N85^\circ E$
 93 13 48.7 $\pm 20'$

59 Cane Hill in creek. Dip: $19^\circ S$
 35 46 34.9 $\pm 20'$ Strike: $N82^\circ E$
 93 13 34.6

60 Pitkin to the north & upslope. Maybe some Fayetteville.
 35 46 38.0 $\pm 30'$ Point taken on old rd, Not creek
 93 13 39.0

61 Cane Hill on old rd beside Still creek.
 35 46 37.0 $\pm 19'$
 93 13 8.3

62 Contact: Cane Hill / Prairie Grove
 35 46 39.9 $\pm 25'$
 93 14 53.6

63 Contact: Top of mbss
 35 46 57.6 $\pm 28'$
 93 14 42.7
 9-25-03

Logging Rd of Cowell Ridge Rd
 35 51 31.5 $\pm 29'$
 93 5 0.5

Location Cowell Ridge Rd Date 9-29-03Project / Client Statemap 2003-04

④ Contact: MBSS / Lower Bloyd

35 52 12.9
93 07 48.2 ± 22'Big Creek Deer Quad
Lurton 9-30-03

⑤ Contact: Cane Hill / Pitkin N85°W

Joints: N38°E, N70°W, N5°W

35 48 58.8 ± 24' Rocks appear to
93 04 58.5 be slightly dipping
Small cong. on top of the Pitkin

⑥ Pitkin in creek dipping 6° SW

possible fault in the area, Strike-N60°W

Contact in Big Creek @ Ronnie (bathhole)
Campbell's southern boundary, point⑦ Fault running through Cane Hill on
Big Creek. Dip: 11° S/SW

Strike: N80°W

35 48 11.9
93 05 5.7 ± 22'

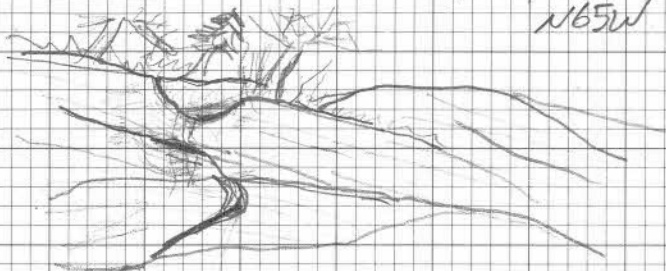
Joints: N85°E, N60°E, N80°E, N60°W

N45°W Cane Hill / Prairie Grove?

Location Big Creek Date 9-30-03Project / Client Statemap 2003-04

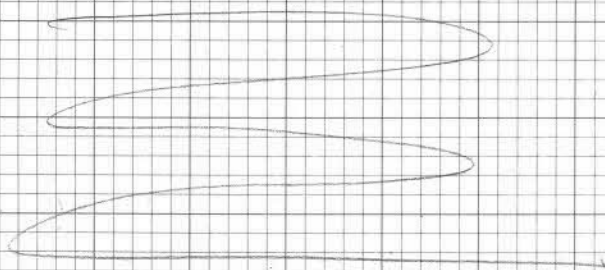
Scale

⑧ Contact: Cane Hill / Prairie Grove

35 48 10.5 Dip: 8° S/SE
93 05 3.0 ± 25' Strike: N85°WCross-bedding & ripple marks present
Veins present as well. Looks
like a natural water slide in
the rock. Joints: N65E, N15, N60E
N65W

⑨ Contact: Prairie Grove / Cane Hill?

Fault possible, definite offset

35 48 3.5 Dip: 45-90° E
93 05 5.0 ± 24' Strike: N55W

Location Cave Creek Lurton Quad Date 10-1-03
 Project / Client Statemap 2003-04

- ⑦⑥ Cave Hill? heavily dipping in drainage. Possible fault nearby. Today is a super nice fall day with the sun shining and a clear blue sky.
 35 50 27.5 ? dip: ~~18~~ 25° W/NW
 93 02 6.3 ±26' Strike: N10°E

- ⑦⑦ Fault: Cave Hill/Cave Hill? dip: 21°E/NE
 * Prairie Grove Strike: N65°W
 Fault plane dip is 36° to the East and striking N30°W
 35 50 19.8 ±22'
 93 02 8.1

Contact is interbedded shale & ss with fault against thick ss. Walked just south and found the crinoid layer on an unconformable surface, so it must be Prairie Grove. ~~Wst N~~ Dipping 24°W strike: N75°E

- ⑦⑧ Small Prairie Grove bluff seen on tributary to Cave
 35 50 18.2
 93 02 8.7 ±25' creek. Nice crinoid layer seen on an unconformable surface.

Location Cave Creek Lurton Quad Date 10-1-03
 Project / Client Statemap 2003-04

Scale

- ⑦⑨ Prairie Grove in Creek bed. Dipping.
 35 50 25.1 ±30' Flaggging weathering in the creek.
 93 02 14.4
 Usual "bumped" or concave shape.
 Dip: 19° NW Strike: N30°E
 Joints: N5E, N55W, N35W

- ⑦⑩ Cave Hill in creek. Slightly dipping.
 35 50 28.0 ±20' Dip: 18° W/NW
 93 02 9.0 Strike: 35E
 Joint: N20E

- ⑦⑪ Cave Hill in creek. Dip: 13°W
 35 50 6.7 Strike: N20W
 93 02 0.3 ±22'

- ⑦⑫ Cross-bedded ss? in creek cut. Appears to be calcareous.
 35 50 37.2 ±23'
 93 01 54.8
 Must be Prairie Grove in place & the fault is just south of here or crossing thru here.

- ⑦⑬ Prairie Grove. Dip: 32° W/NW
 35 50 43.5 Strike: N40E
 93 01 49.0 ±18'

Location Cave Creek ^{Lurton} Quad Date 10-1-03
 Project / Client Statemap 2003-04

(78) Fault passing near here. Pitkin all of a sudden present in the creek. Lots of boulders in the creek too. Many have deformation bands.

Dip: 10° E/NE
 Strike: $N 85^{\circ} E$
 35 50 46.7 $\pm 33'$
 93 01 47.2

Sandy Springs Hollow 10-2-03
 Deer Quad

(79) Contact: MBSS / Lower Bloyd \uparrow
 35 50 29.8 $\pm 26'$
 93 14 10.4

Nice conglomerate at the base in the shaley zone. Large clasts & fossils also present. Zone up to a foot thick. Shale, SS, and calcareous also inter-mixed.

(80) Contact: Lower Bloyd / Prairie Grove
 $\approx 20'$ SS with a nice bluff & waterfall with shale below. Hopefully Cane Hill
 35 50 40.0 $\pm 18'$
 93 14 24.2

Location Rosetta Road Date 10-6-03
 Project / Client Statemap 2003-04

Scale

(81) Contact Lower Bloyd / Prairie Grove
 covered shaley slope above SS
 Brentwood up around the corner

35 43 46.3 $\pm 17'$
 93 16 19.8 -

(82) Contact MBSS / Lower Bloyd

35 43 41.8 $\pm 20'$ forms pedestals
 93 16 14.3

(83) Top of MBSS / shaley above

35 43 38.6
 93 16 6.7 $\pm 18'$

(84) Top of MBSS, fault in area?

35 43 41.6 $\pm 17'$
 93 15 58.1 -

(85) Contact: Upper Bloyd / MBSS

fault running E/W just N or S of here.

35 43 53.1 $\pm 17'$
 93 14 13.9 -

Location E Fork Little Buffalo Date 10/7/03Project / Client Statemap 2003-04Old logging Rd to East Fork

- 86 Contact: Mbss / Lower Bloyd
good bluff, covered shale beneath
approx. 20-30' up slope

35 51 1.6 ± 22'
93 14 9.1

- 87 Contact: Prairie Grove / Cane Hill
30' up slope going up stream

35 51 1.9 ± 25'
93 14 26.1

- 88 Contact: Prairie Grove / Phc
dipping: N40 E, 5° W

35 51 3.2 ± 21'
93 14 35.2

Followed contact down creek

- 89 Contact: Lower Bloyd / Prairie Grove
Pg still going up the creek
a bit. Contact on the
slope up 20'. No GPS
point

Location West Fork Shop Creek Date 10/7/03Project / Client Statemap 2003-04

Scale

- 90 Contact: Prairie Grove / Cane Hill
unconformable, dipping
slightly up stream.

35 52 8.0 ± 33'
93 13 11.7

Cane Hill looks higher on other
side of creek than Pg in creek.

Rock Creek 10/08/03
Southwestern part of Deer Quad

- 91 Contact: Prairie Grove / Cane Hill
looks welded, but don't see
the cal or any good fossils
in Pg.

35 45 10.5 ± 24'
93 14 33.2

- 92 Contact: Lower Bloyd / Prairie Grove
Contact covered, good Pg
in creek

35 45 16.1
93 14 27.9 ± 24'

Location Rock Creek Date 10/08/03
 Project / Client Statemap 2003-04

(93) Contact: Mbss/Lower Bloyd
 40' below contact in creek,
 steep bank.

35 45 33.8 ± 21'
 93 14 2.5 -

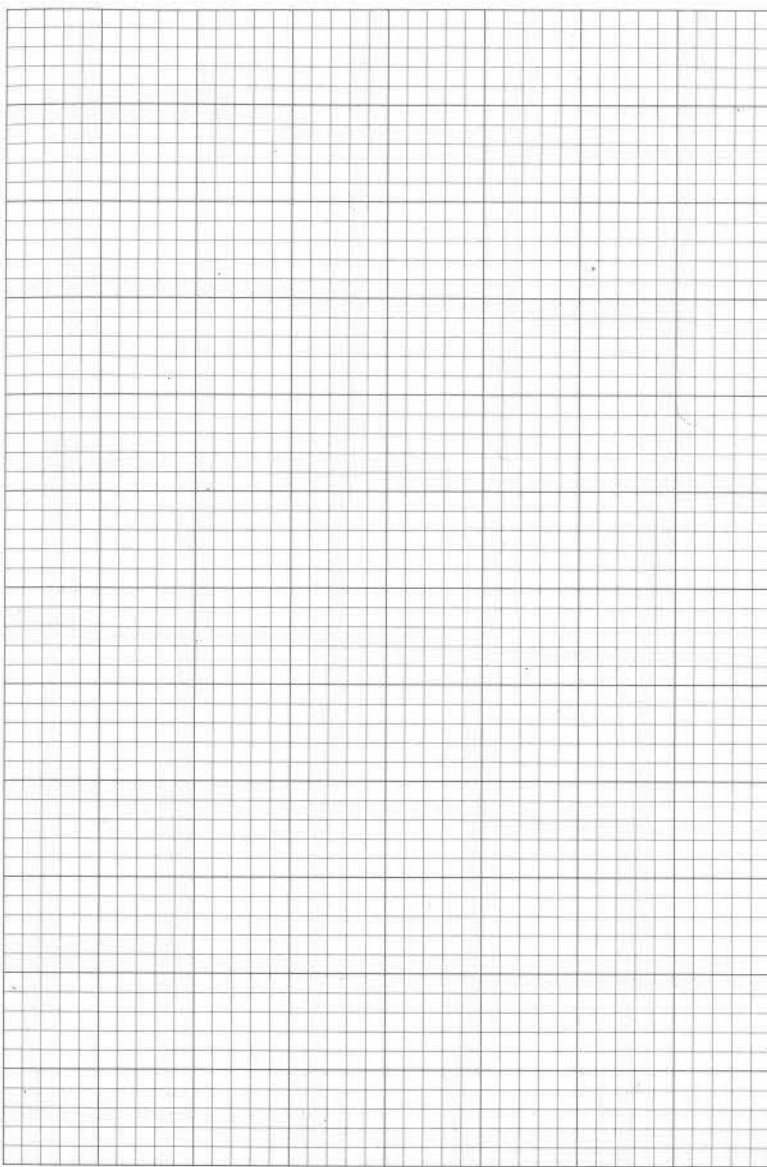
(94) Contact: Mbss/Lower Bloyd?
 walking up 4-wheeler Rd

35 45 29.4 ± 17'
 93 14 26.0 -

Location _____ Date _____

Project / Client _____

Scale _____



Location _____ Date _____

Project / Client Statemap 2003-04

②

②

Location Cove Branch Creek Date 10-21-03Project / Client Statemap 2003-04

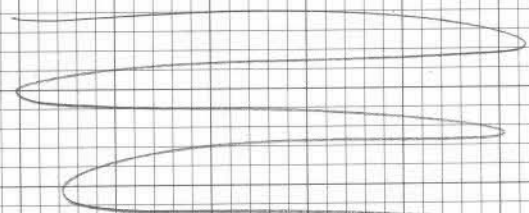
Scale _____

⑩⑤ Contact: Pitkin/Cane Hill approx
201 above current position.
35 51 28.7 ± 17'
93 09 24.5

⑩⑥ Contact: Fayetteville/Pitkin
35 51 45.5 in Wolf creek
93 09 3.9 ± 20' branch/drainage

⑩⑦ Pitkin bluff on both sides of
the creek. Two caves on the
North side & large boulders all
in the creek.
35 51 43.7 (440)
93 08 55.5 ± 30' (55.0)

⑩⑧ Contact: Cane Hill/Prairie Grove
35 48 37.8 ± 22' Limestone
93 14 50.9 Rd



Location Hurricane Creek Date 10-22-03Project / Client Statemap 2003-04

(109) Contact: Lower Bloyd / M6ss
 contact on steep hill going
 up an old 4-wheeler trail.
 35 49 39.5 ± 50'
 93 10 55.8

(110) Contact: Cane Hill / Prairie Grove
 35 50 9.2 Drainage cut
 93 11 26.4 ± 22' near creek

(111) Contact: Prairie Grove / Lower Bloyd
 Covered creek cut shale bluff
 35 50 10.9 up above
 93 11 38.8 ± 25' to the north

(112) Contact: Cane Hill / Prairie Grove
 Appears that some of the Prairie
 Grove has slide down the side
 of the hill.
 35 49 17.6 ± 30'
 93 11 26.2

Location Hurricane Creek Date 10-22-03Project / Client Statemap 2003-04

Scale

(113) Contact: Cane Hill / Prairie Grove
 35 48 46.9 Drainage
 93 10 16.5 ± 25' ↓ into Hurricane

→ Richland Creek 10-23-03
 Pine Hollow Drainage

(114) Contact: Cane Hill / Whit's Spring?
 Plant / tree fragments visible in
 sandstone. Also thinly bedded
 starting approx. 20' from the
 bottom of the contact.

35 47 34.4 ± 22'
 92 56 19.6

(115) Contact: Cane Hill / Prairie Grove (WS)?
 Waterfall coming over the ss
 digging into the underlying shale
 ss could be Pb but doesn't look
 as calcareous. 35 47 31.3 ± 19'
 92 56 21.2

(116) Possible Contact w/ either Pitkin / PPhc
 or PPhc / PPh. If it's the later, then
 the PPhc is unusually thin. Lots
 of shale present. 35 47 41.4 ± 21'
 92 56 3.9 ± 21'

Location Richland Creek Date 10-23-03Project / Client Statemap 2003-04

(117) Contact: Pitkin/Cane Hill

35 47 41.8 ± 26' CANE HILL UNUSUALLY
92 56 5.0 THIN

Road to Steel Creek 10-28-03

(118) Contact: Lower Bloyd/Prairie Grove

It's a nice fall morning. Just got
through seeing a bunch of turkeys.
Bluff is a nice overlook to the
limestone valley below.35 46 54.8 ± 20'
93 14 58.5(119) Base of Prairie Grove. Nice cong.
present, approx 2' thick @ base.35 46 53.0 ± 20' clay drapes &
93 14 59.9 burrows visibleDefinite possible tidal influences
Strike: E/W

Dip: 5°-7° E/SE mainly South

Location Steel Creek ^{Deer} Quad Date 10-28-03Project / Client Statemap 2003-04

Scale

(120) Contact: Prairie Grove/Lower Bloyd
Fault is running near here.35 46 48.0 ± 25'
93 15 7.1

(121) Contact: Cane Hill/Prairie Grove

35 46 39.1 ± 24'
93 15 8.4(122) Fault: Prairie Grove on both sides.
Offset can not be seen but
definite dipping. Strike: N40°W35 46 48.1 ± 21' Dip: 15° SE
93 15 10.7(123) Limestone rocks seen on the side of
the hill but it's too covered to see
much of anything else.35 46 51.0 ± 27'
93 15 11.8(124) Prairie Grove? Fault possibly just to the
East of here in the drainage. Appears
to be Pitkin. Is below.35 46 50.4 ± 23'
93 15 4.8

Location Road to Steel Creek Date 10-28-03
 Project / Client Statemap 2003-04

(125) Fault running through here. Pitkin is present high on the mountain side
 35 46 51.4 ±20
 93 15 3.7

(126) Contact: Lower Bloyd / M655
 35 46 52.9 ±22'
 93 14 41.1

(127) Contact: Cane Hill / Prairie Grove
 Phg appears v. thick here. Lots of rubble on the hill side.
 35 46 45.2 ±19'
 93 14 40.7 ±

(128) Fault appears to be cutting through somewhere near here. Looks like Phg above & below. Lower Bloyd appears to almost die out.
 35 46 52.5 ±20'
 93 14 34.5

Location Road to Steel Creek Date 10-28-03
 Project / Client _____

Scale

(129) Top of Prairie Grove on the east side of the fault.
 35 46 50.3 ±23'
 93 14 39.4

(130) Top of ss bluff. Possible Phg
 35 46 31.4 ±16' Doesn't appear as fossiliferous
 93 14 52.5
 Lots of loose rks & boulders

N/E of Linn Creek 10-29-03
 Steel Creek

(131) Contact: Cane Hill / Prairie Grove
 good contact. Nice basal cong.
 35 48 23.6 ±25' Cong. layer seen in each formation.
 93 12 26.5

(132) Pitkin cave in the head waters of Steel Creek. I definitely need to come check it out when I get the chance.
 35 48 11.3 ±21'
 93 12 27.0

(133) Contact: Cane Hill / Pitkin in upper Steel Creek. (Solar storm happening today may affect GPS)
 35 46 17.0 ±70'
 93 12 28.8

Location Steel Creek Date 10/29/03Project / Client Statemap 2003-04

(134) Contact: Cane Hill / Prairie Grove

35 48 8.5
93 12 37.0 ± 22

(135) Headwaters of Linn Creek.

Contact: Cane Hill / Prairie Grove

Nice waterfall/bluff made-up of
Cane Hill and Prairie Grove.35 48 6.9 ± 25'
93 13 6.7

(136) Contact: Cane Hill / Prairie Grove

35 48 8.7 ± 27'
93 13 10.3

(137) Contact: Prairie Grove / Lower Bloyd

35 48 10.6 ± 25' Steep slope w/
93 13 12.9 several small falls

(138) Contact: Lower Bloyd / Mass

35 48 9.9 ± 23'
93 13 16.9Location Steel Creek Rd Date 10/29/03Project / Client Statemap 2003-04

Scale

(139) Contact: Lower Bloyd / Mass

Rd is v. steep w/ lots of
loose shale & sandstone.
We almost didn't make it
up. 35 48 31.4 ± 30'
93 12 44.7

Right Fork Big Creek 10/30/03

(140) Contact: Mass / Upper Bloyd

35 51 3.2 ± 21'
93 10 43.8

(141) Contact: Lower Bloyd / Mass

35 51 7.5 ± 22'
93 10 41.8Lonesome Hollow Linton 11/4/03
Cub Creek drainage Quad

(142) Contact: Mass / Lower Bloyd

35 48 26.4 ± 24'
93 09 11.6

Location S of Owens Mtn. Date 11/05/03Project / Client Statemap 2003-04

(143) Contact: CANE Hill / Prairie Grove
 35 51 31.6
 93 08 34.1 $\pm 19'$ It's a fairly cold
 fall morning w/
 lots of fog.

(144) Contact: Prairie Grove / Lower Bloyd
 35 51 26.8
 93 08 31.7 $\pm 30'$

(145) Contact: CANE Hill / Prairie Grove
 35 51 15.2 $\pm 24'$
 93 08 24.6

(146) Contact: Lower Bloyd / Mbss
 35 50 53.2
 93 08 20.1 $\pm 25'$ Still v. foggy
 w/ more fog
 moving in

(147) Owens Mountain Rd.
 Contact: Lower Bloyd / Mbss
 35 52 10.9
 93 08 23.1 $\pm 21'$ Nice qtz pebble
 congl. close to base

Location Owens Mtn Rd Date 11/05/03Project / Client Statemap 2003-04

Scale

(148) Contact: Lower Bloyd / Phg
 35 52 27.2
 93 07 ~~26.7~~ $\pm 26'$ contact in Rd
 between Carwell
 & Mt. Judea.

(149) Contact: Phg / Phc
 35 52 24.8
 93 07 27.1 $\pm 19'$

(150) Headwaters of Dry Creek
 Contact: Pitkin / Cane Hill
 35 52 1.0
 93 06 55.8 $\pm 22'$ Several sink
 holes present

(151) Contact: CANE Hill / Prairie Grove
 35 51 57.3
 93 07 4.9 $\pm 10'$ Contact still
 fairly covered

(152) Contact: CANE Hill / Prairie Grove
 Good contact, not too covered.
 It's getting cooler. The fog
 is starting to sink.
 Nice tangential cross-bedding
 seen. coarse grained
 35 52 0.5
 93 06 41.0 $\pm 23'$ w/ lots of quartz
 pebbles.

(153) Contact: CANE Hill / Prairie Grove
 35 52 15.9
 93 07 30.2 $\pm 25'$

Location Millsaps Knob Date 11/06/03
 Project / Client Statemap 2003-04

(154) Contact: Lower Bloyd / Mbss
 It's very cool this morning and
 there's lots of fog. We lost
 35 47 28.2 electricity @
 93 11 36.0 $\pm 27'$ about 7 this morn.

(155) CONTACT: CAVE HILL / PRAIRIE GROVE
 35 47 56.6 57.2
 93 11 27.9 $\pm 23'$

Southern End of Long Ridge 11/10/03

(156) Contact: Mbss / Lower Bloyd
 covered slope
 35 46 26.9 $\pm 26'$
 93 09 13.6

(157) Contact: Lower Bloyd / Prairie Grove
 35 46 13.6
 93 09 1.4 $\pm 26'$

(158) Contact: Upper Bloyd / Mbss
 could be
 a little higher 35 46 29.4 $\pm 26'$
 93 09 8.4

Location Lanesome Ridge Rd Date 11/10/03
 Project / Client Statemap 2003-04

Scale

(159) Top of Mbss - covered w/ot
 much of a slope
 35 47 15.6 $\pm 20'$
 93 10 22.2

Parker Ridge Rd 11/11/03
 w/ot Millsaps Knob

(160) Contact: Lower Bloyd / Mbss
 35 47 51.2 $\pm 18'$ Fault running
 93 12 17.2 thru here
 Fault may run right thru here

(161) Contact: Lower Bloyd / Mbss
 covered slope. Deformation bands
 seen. Appears fairly thick here.
 up to 60-80'. 35 47 2.8 $\pm 20'$
 93 12 27.1
 Dip: 9° E Fault v. near here
 Strike: N/S

(162) Contact: CAVE HILL / PRAIRIE GROVE
 COVERED SLOPE, APPEARS TO BE
 DIPPING 35 46 58.3 $\pm 25'$
 STRIKE: N90°W 93 12 45.9
 DIP: 4° E

Location Steel Creek Date 11/14/03
 Project / Client Statemap 2003-04

(163) Pitkin Bluff v. heavily weathered
 35 46 58.5 ±15' Fault running
 93 13 1.8 NEAR HERE

(164) Possible contact b/t Cane Hill/TPhg
 Appears a little low though
 35 47 13.5 ±24'
 93 12 24.1

(165) Top of Prairie Grove? Covered
 slope and lots of debris
 35 47 9.4 ±20'
 93 12 22.7

(166) Contact: Mbss/Upper Bloyd
 Contact covered on road
 35 46 58.3 ±24'
 93 12 26.0

(167) Contact: Mbss/Upper Bloyd
 covered slope on Parker Ridge Rd.
 Fault running near here probably
 35 47 8.9 ±17'
 93 12 9.4

Location Lansome Hollow Date 11/14/03
 Project / Client Statemap 2003-04

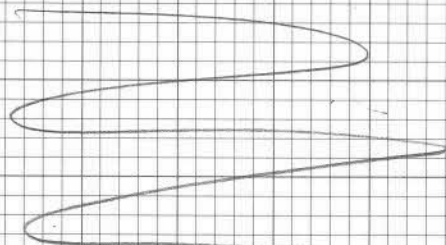
Scale

(168) Contact: Lower Bloyd/Mbss
 Contact covered on Rd into Hollow.
 35 48 9.2 ±22'
 93 09 31.4

(169) Contact: Lower Bloyd/Prairie Grove
 Contact on covered slope
 35 47 44.9 ±75'
 93 09 41.0

(170) Contact: Lower Bloyd/Prairie Grove
 Contact covered slope w/ lots
 of trees. Very dense.
 35 47 37.0
 93 09 38.4 ±22'

(171) Contact: Mbss/Upper Bloyd
 Contact covered on slope/Rd
 into Hollow.
 35 48 16.7 ±24'
 93 09 32.8



Location Robinson Rd Quad Date 11/12/03
 Project / Client Statemap 2003-04

(172) SS Bluff, most likely Mbss
 on the south side of steel
 creek. Lower on this side due
 to faulting. 35 46 29.0 ± 24'
 93 13 19.4

An F-16 just buzzed us @ low
 altitude & high speed.

(173) Contact: Lower Bloyd / Mbss
 35 46 7.4
 93 14 49.1 ± 24'

(174) Contact: Cane Hill / Prairie Grove
 covered slope, lots of float seen
 some with deformation bands.
 35 46 17.8 ± 20
 93 14 38.4

(175) Pitkin on the side of the creek
 (steel creek) Joints: N15°E
 35 46 20.7 ± 18' N30°E
 93 14 50.6 N75°W

Saw a ≈ 3' Black snake

Location Steel Creek Date 11/12/03
 Project / Client Statemap 2003-04

Scale

(176) Contact: Mbss / Upper Bloyd
 35 46 4.4
 93 14 46.3 ± 18' Contact on
 covered slope
 and can't be
 seen to well

(177) Contact: Mbss / Upper Bloyd
 nice gently sloping bluff. It's
 kind of stair-stepped so you
 could walk down it.

35 45 16.7
 93 14 59.6 ± 20'

(178) Top of a small ss ridge that's
 approx. 10' thick w/ shale below

35 45 38.2 ± 15'
 93 14 42.0

(179) Top of another small ss bench
 35 45 40.5 shale above
 93 14 44.0 ± 18' & below

(180) Top of last ss bench. shale
 35 45 45.2 above & below
 93 14 48.0 ± 19'

(181) Top of another small ss bench
 35 45 40.6
 93 14 51.4 ± 20'

Location Hurricane Creek Date 11/13/03Project / Client Statemap 2003-04

(182) Contact: Lower Bloyd / Mbss?
The area appears heavily faulted so it's tough to tell exactly what we're looking at. It's also v. cool this morning.

Joints: N10W, N10S, N50W

35 45 9.7

93 08 55.7 ± 25'

(183) Contact: Lower Bloyd / Mbss

35 45 6.1 ± 25' Lots of ss

93 09 8.5 Float on hillside

(184) Contact: Lower Bloyd / Mbss?

Drainage is full of large boulders
There's also several shale/ss layers
so it's hard to define the exact
contact here. Dip: 10° E

35 45 6.6 ± Strike: N5° E

93 09 17.3 ± 22'

↑
0.4 miles
↓

(185) Prairie Grove? in creek Dipping

15° E. Strike: N10° E [Joints]

35 45 1.5 ± 23'

93 08 51.1 ± 23'

N1S
N30° E
N40° W

Location Hurricane Creek Date 11/13/03Project / Client Statemap 2003-04

Scale

(186) Appears to be PPhg in place
along creek. 35 45 09.5

93 08 46.8 ± 22'

(187) Prairie Grove? along OHT

Doesn't appear to be dipping to
much 35 45 2.6 ± 25'

93 08 47.7 ± 25'

(188) Contact: PPhg / Lower Bloyd

PPhg appears higher here, but
may be dipping down toward fault

35 45 8.0 Contact could

93 08 26.2 ± 20' be a little lower

(189) Contact: PPhg // Lower Bloyd

35 45 5.4

93 08 41.6 ± 24'

Along Hwy 7 South of Jasper 11/17/03

Collecting contacts in shale
to try and find Arika
boundary,

Shale 35 49 03.0 ± 18'

Sample 1 93 9 37.3 ± 18'

35 48 51.7 ± 16'

SS 2 93 08 32.0 ± 16'

Location Hwy 7 S Date 11/17/03
 Project / Client Statemap 2003-04

① SS 2 - In the joints are limonite coatings - thin limonite bands old Red barn across the road

SS 3 - 35 47 50.4
 93 07 16.9 ± 18'

3' thick ss blocks on hillside
 4-5' thick ss in place @ top of slope (x-bedded)

Starting to Pour, going to library

East Side Long Ridge 11/18/03

(190) Contact: Upper Bloyd / Mbss
 Top of Mbss 35 47 10.3 ± 22'
 covered slope 93 08 22.1

Joints on Mbss: N5W, N85E

(191) Contact: Mbss / Lower Bloyd
 covered slope 35 47 12.0 ± 21'
 maybe 10-15' 93 08 18.9
 lower?

Location Hurricane Creek Rd Date 11/18/03
 Project / Client Statemap 2003-04

Scale

(192) Contact: Prairie Grove / Cave Hill
 small spring 35 45 20.5 ± 27'
 some deformation 93 08 23.1 ± 27'
 bands

Main Rd

(193) Contact: Cave Hill / Prairie Grove
 covered along Rd 35 45 41.8 ± 29'
 dipping: 93 08 14.7
 N65E
 3°NE

(194) Contact: Lower Bloyd / Prairie G
 covered along Ad 35 45 45.7 ± 27'
 93 08 11.5

Light Ridge Rd

(195) ss block 35 45 48.5
 slide down? / faulted? 93 08 11.0
 ends @ this point ± 29'

(196) Contact: Mbss / Lower Bloyd
 covered slope 35 46 20.3 ± 26'
 good sharp 93 08 9.2
 in Rd

Location Light Ridge Rd Date 11/18/03
 Project / Client Statemap 2003-2004

(197) Contact: Mbss / Upper Bloyd
 shale on ss 35 46 23.9 ± 13'
 along Rd 93 08 7.7 ± 13'

(198) Contact: Lower Bloyd / Mbss
 covered slope 35 46 21.5 ± 20'
 looking for fault 93 08 21.8

(199) Contact: Lower Bloyd / Mbss
 covered - looks higher 35 46 27.3
 on this side than last 93 08 17.9
 point ± 16'

(200) Contact: Lower Bloyd / Mbss
 covered slope 35 46 27.1 ± 21'
 land slide area 93 08 3.6

(201) Contact: Mbss / Upper Bloyd
 covered on 35 46 42.0
 Rd 93 08 5.4 ± 20'

Location Mill Creek Date 11/19/03
 Project / Client Statemap 2003-04

Scale

(202) Cave Hill along creek
 Start of slide? Big blocks of
 Prairie Grove? Lots of traces.
 35 46 8.0
 93 09 42.1 ± 21'

(203) Possible Prairie Grove in place
 on Hillside approx. 10' below
 Contact. 35 46 7.4 ± 21'
 93 9 45.3

(204) Contact: Pitkin / Cave Hill?
 in creek bed, crinoid fossils
 grades to calc. sandy cgl
 then thin sands 35 46 5.8
 Joints: N/S, N25W 93 9 46.5
 30E, N75W ± 23'

(205) Prairie Grove across creek
 forming 20-25' bluff along creek
 35 46 5.3 ± 33'
 93 09 51.4

(206) Contact: Lower Bloyd / Mbss
 35 46 10.8 ± 23' dipping:
 93 09 54.9 ± 23' 4-90N

Location Mill Creek Date 11/19/03Project / Client Statemap 2003-2004

(207) Contact: Lower Bloyd / Mbss
 Covered slope 35 46 10.6
 Mbss - lower elevation 93 10 4.0 ± 20'

(208) Contact: Lower Bloyd / Mbss
 appears to be dipping
 huge slide down 35 46 9.2
 N80°E 93 10 17.6 ± 21'
 22°N some deformation bands

(209) Contact: Lower Bloyd / Mbss
 Very scenic spot
 w/ a waterfall & 2 35 46 11.1 ± 19'
 streams massive ss 93 10 26.6
 below about 15' looks
 like Phg

(210) Contact: Mbss / Upper Bloyd
 covered contact 35 46 12.8 ± 18'
 ss in creek below 93 10 29.6

(211) Huge blocks of Mbss up
 slope from last point.
 35 46 20.2 ; 93 10 31.2 ± 18'

Location Mill Creek Falls Date 11/19/03Project / Client Statemap 2003-2004

Scale

(212) Contact: Mbss / Upper Bloyd
 Covered slope 35 46 10.6 ± 18'
 93 10 8.8

(213) Contact: Mbss / Upper Bloyd
 Covered slope 35 46 11.9 ± 22'
 93 09 58.7

From long Ridge Rd Switchback

(214) Contact: Phc / Phg ?
 In switchback 35 46 25.5 ± 20'
 From main road 93 9 43.5

(215) Contact: Prairie Grove / Phc
 covered slope
 honeycomb w

(216) Cone Hill dipping in road
 N65E 35 46 12.9 ± 17'
 12°SW dip 93 09 37.3

(217) Prairie Grove ? 35 46 14.3 ± 22'
 along road 93 09 41.0
 dipping maybe 2-3°SW

Location Long Ridge Road Date 11/19/03
 Project / Client Statemap 2003-2004

(218) Lower Bloyd
 in road 35 46 18.0
 N45°E 93 09 42.8 ±17'
 4-5° S dip
 interbedded shale & ss - tidal

(219) N75W 35 46 21.4
 4 SW 93 9 45.1 ±18'

Contact: Prairie Grove/Lower Bloyd
 Covered along road

(220) Contact Mbss/Lower Bloyd
 Covered steep
 slope, could
 be a bit
 lower 35 46 33.3
 93 9 52.5 ±24'

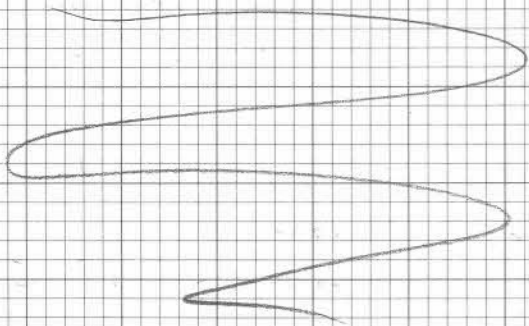
(221) Mbss? in road
 N75°E 35 46 22.8 ±27'
 8°N/NN 93 9 54.7

Location Long Ridge Rd Date 11/19/03
 Project / Client Statemap 2003-2004

Scale

(222) Lower Bloyd?/Upper?
 Dipping along
 road? 35 46 28.6
 N25°E 93 10 10.7 ±27'
 N05E

(223) Contact: Lower / Mbss
 good ss then
 bluffs up the 35 46 29.5
 road looks to 93 10 17.9 ±27'
 be dipping
 like # (222)
 then flattens



Location Off Parker Ridge Rd Date 11/20/03
 Project / Client Statemap 2003-2004

John Edelen
 Rt 1 Box 124 ← Snowball
 St. Joe, AR 72675 Quad
 870-448-6150 into

Top of East side Mtu. West
 of Hurricane creek

(224) Contact: Mbss / Upper Bloyd
 Covered slope 35 47 58.7 ±20
 93 10 57.9

(225) Contact: Cane Hill / Phg
 Covered slope 35 47 53.8 ±21
 93 10 52.0

(226) Contact: Phg / Lower Bloyd
 above pock marked
 ss forms small 35 47 55.2 ±28
 steep bench 93 10 53.1

Location Mt. West of Hurricane creek Date 11/20/03
 Project / Client Statemap 2003-2004

Scale

(227) Contact: Mbss / Lower Bloyd
 Covered steep 35 47 58.2
 slope. 25-30' 93 10 54.9 ±23'
 bluff above us.

(228) Contact: Mbss / Upper Bloyd
 covered slope, see 35 48 37.7
 good bluff below 93 10 57.2
 ±24'

Shale Sample # 6
 Parker Ridge Rd
 Clay shale above Mbss
 35 48 38.2 ±24
 93 12 2.9

Location SW Hwy 7 Red Barn ^{Near Old} Date 11/20/03
 Project / Client Statemap 2003-2004

(229) Contact: Mbss / Upper Bloyd
 a bit higher 35 47 41.2
 sitting @ edge 93 07 53.2 ± 29'

Wolf Creek Area 11/24/03
 W side of Owens Mtn.

(230) Contact: Fayetteville / Pitkin
 Climbing up side of
 Owens Mtn from 35 52 24.0
 F.S. Rd @ left fork 93 09 7.7
 Big Creek ± 19'

(231) Contact: Pitkin / Cane Hill
 covered - up above
 cherty Pitkin 35 52 31.4
 lithology ± 20' 93 09 5.1

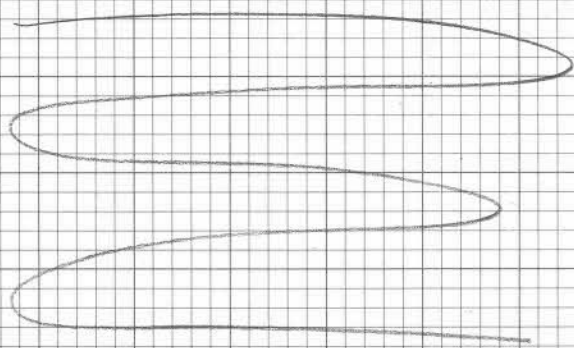
Location Wolf Creek Area Date 11/24/03
 Project / Client Statemap 2003-2004

Scale

Parthenon Quad
 (232) Contact: Phc / Phg
 covered - good ss bluff
 rounded weathering
 pretty thick

W Side Owens Mtn

(233) Contact: Phg / Lower Bloyd
 covered - top of 35 52 33.5
 good Phg bluff 93 09 4.5
 ± 15'



Location Off Robinson Rd Date 11/25/03
 Project / Client into Rock Creek Area
Statemap 2003-2004

(234) Contact: Lower Bloyd / Mbss?

or ss within ↗

sandy ls beneath

35 45 27.2

shaley zone so

93 14 31.1

more than likely

± 22'

in the lower Bloyd

(235) Contact: Lower Bloyd / Mbss

covered slope

35 45 33.5

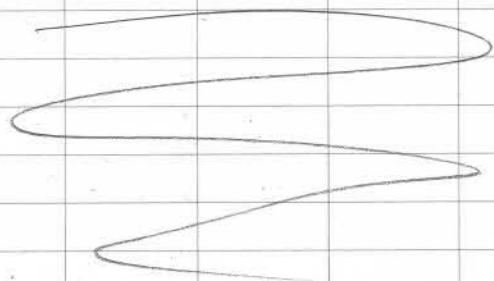
along road - you

93 14 32.0

can see it in

± 18'

drainage



Location Off Parker Ridge Rd Date 11/25/03
 Project / Client Statemap 2003-2004

N into drainage that flows into ^{Scale} Stat
Creek

(236) Contact: Mbss / Upper Bloyd

covered slope

35 46 11.6

see several ledges

93 12 46.5

of ss

could be a bit lower ,

± 20'

(237) The real Mbss / Upper Bloyd

covered good

35 46 25.8

bluff below

93 12 52.2 ± 21'

S of Cowell

E side of Mtn looking into lonesome
Walloway

(238) Contact: Mbss / Upper Bloyd

covered slope

35 47 52.0

looks higher on

93 10 00.7

other side

± 21'

(239) Contact: Mbss / Upper Bloyd

covered slope

35 47 57.8

following around

93 89 57.4 ± 20'

drainage

Location S of Cowell Date 11/25/03Project / Client Statemap 2003-2004Over looking Lonesome Hollow

(240) Contact: Mbss / Upper Bloyd
 covered - possible 35 48 6.0
 fault or monocline? 93 9 54.2
 ± 25'

Shale Sample #8

On Hwy 7 McElroy Gap across
 from first scenic pullover
 above Mbss 35 55 5.0 ± 25'
 93 10 48.6

SS #9

McElroy Gap Top Scenic pullover
 at top of hill 35 55 9.5 ± 22'
 above Mbss 93 10 38.3

SS #10

across from scenic point

35 58 15.9
 93 10 8.8 ± 17'

Location N of Wayton Rd Date 11/26/03Project / Client Statemap 2003-2004Henderson Mtn

Scale

(241) Contact Mbss / Upper Bloyd
 covered slope 35 51 54.5
 pedestal below 93 13 2.1 ± 27'
 can see it across drainage
 Joints: N65E, 25W

(242) Contact: Mbss / Upper Bloyd
 covered in 35 51 37.2
 drainage, nice 93 15 11.6 ± 22'
 Cabin in Mbss
 over looking Dr. Fowler - contact
 down stream a bit.
 good joint system
 N/S; N60E; 45°E

Collected Brentwood 15 on
 Parker Ridge Rd

35 43 43.1
 93 16 15.4 ± 23'

Location N of Reeves Point Date 12/1/03Project / Client Statemap 2003-2004From Steel Creek - Swain Quad

(243) Contact: Cave Hill / Prairie Grove
Phg is massive
Weathers to
thin beds in
some places - very thick

(244) Fayetteville in creek
dipping fault joint 35 46 36.1
N35°E System 93 15 24.1
5°E/SE N25°E ± 25'
 65°W

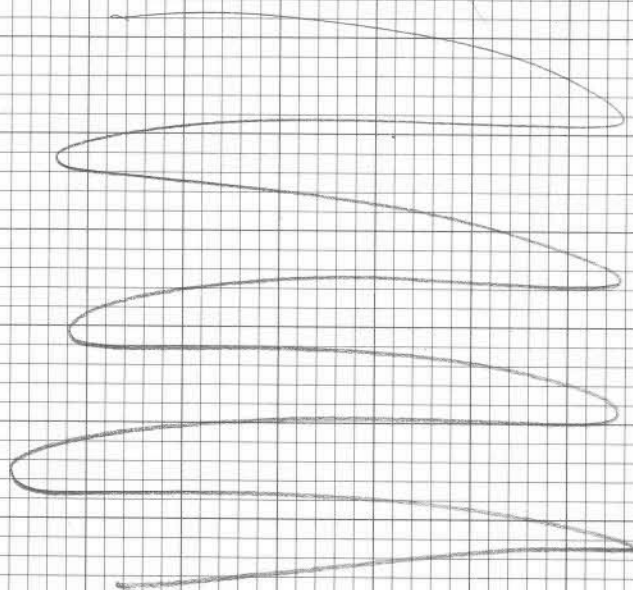
a few 3-6" ledges of ls
beneath thick shale
Unit. Upper Fay. leading
to Firkin to the west

Location Greasy Creek Date 12/2/03Project / Client Statemap 2003-2004

Scale

(245) Contact: Abss / Upper Bloyd
covered @ 35 45 11.4
upper ss above 93 12 7.5
mb proper

Hiked over mountain but
couldn't see anything. Fast
Hurricane knob - east-north



Location North of Reeves Point Date 12-1-03

Project / Client StateMap 2003-04

(243) Contact: Cave Hill / Prairie Grove
Prairie Grove forms a nice bluff
and is unusually thick. Approx. 30'

35 46 19.2 ± 2.4' (18.5)

93 15 49.6 ± 2.4' (46.9)

(We're on the wrong hill side)

(244) Fayetteville shale dipping in Steel
Creek. Lots of Fe staining

Dip: 5° E/SE Strike: N35° E

35 46 36.1 Joints: N25° E

93 15 24.1 ± 2.5' N65° W

Approx. 3 ledges of ls below us
in the upper Fayetteville

Greasy Creek

12-2-03

(245) Contact: Mbss / Upper Bloyd

good bluff 35 45 11.4 ± 2.1'

visible on 93 12 7.5 ± 2.1'

both sides

Did alot of walking today
but NO good outcrops

Location Hurricane Creek Date 12-3-03

Project / Client StateMap 2003-2004

Scale

(246) Mbss? present. Very broken
up and appears to end here.

35 45 14.7 ± 2.2 (14.5)

93 08 52.5 ± 2.2 (52.1)

(247) Mbss appears to end just
East of here. Fault running

through here, but no deformation
bands seen yet.

35 45 19.0

93 08 54.8 ± 2.0'

Lower Bloyd

(248) Mbss / Lower Bloyd contact?

Mbss appears fairly thick here
approx 60' or more.

35 45 22.5 ± 2.2'

93 08 48.7 ± 2.2'

(249) Contact: Lower Bloyd / Mbss

Contact could be 35 45 15.8 ± 2.2'

15-20' lower 93 08 42.8 ± 2.2'

Can't see bluff on other
side of the creek. Also

lots of float in this area.

Rocks dipping just west of here
15° N, N80° E (if in place)

Location Hurricane Creek Date 12-3-03Project / Client Statemap 2003-2004

(250) Contact: Prairie Grove / Lower Bloyd?
Lots of deformation
bands seen, but all 35 45 20.8
in rubble (mistings pretty heavy) 93 08 38.9 ± 19

(251) Contact: Cane Hill / Prairie Grove
Nice deformation 35 45 25.8
bands seen 93 08 37.3 ± 25'

Joints: N30W

Fossiliferous @ the base

Fault possibly running right
through here,

(252) Contact: Prairie Grove / Lower Bloyd
35 45 26.6
93 08 38.4 ± 20'

(253) Base of Prairie Grove?
Landslide area 35 45 25.1
93 08 40.4 ± 19'

Location Hurricane Creek Date 12-3-03Project / Client Statemap 2003-2004

Scale

(254) Standing on the fault @ the
base of the mss. 35 45 23.3
Lots of float 93 08 48.6 ± 20

(255) Contact: Cane Hill / Prairie Grove
Fault near here 35 45 15.2 ± (13.0)
possibly in the 93 08 25.1 ± 25'
creek 20

(256) Followed Phg around this
val. Lots of rubble on the
hillside. Phg maybe 35 45 5.0
on contour of 2-4 93 08 20.5 ± 26'
from this spot.

(257) Prairie Grove back @ creek level
35 45 41.2
93 08 30.3 ± 20'

(258) Phg in place along roadside
just W of Cub Creek
35 46 06.5 ± 18'
93 08 50.5

(259) Top? of Prairie Grove
35 46 7.2 ± 15'
93 09 7.4

Location Hurricane Creek Date 12-3-03Project / Client Statemap 2003-2004

(260) Phg on road side - appears
to be dipping. 35 46 14.8
N 87 E, 15° S 93 09 31.5 ± 19

Hurricane Creek 12-4-03

(261) Phg on side of the mountain
seems to be 35 45 15.8 ± 20'
in place. Cold 93 08 16.1
Windy this morn. covered contact

(262) Contact: Lower Bloyd / Mbss
good contact, appears 35 45 18.6
to be dipping toward 93 09 3.7 ± 15'
the North

(263) Fault? looks like it passes [#]₍₁₄₇₎
through the Mbss here.
Lots of rubble on 35 45 26.9 ± 20'
the hillside. 93 08 01.4
No deformation bands seen though
Fault probably more to the North

Location Hurricane Creek Date 12-4-03Project / Client Statemap 2003-2004

Scale


(264) Contact: Lower Bloyd / Mbss
Joints N/S, E/W 35 45 27.0 ±
very blocky appearance 93 07 58.9 ± 22'
w/ a small waterfall
(Lots of X-bedding)

(265) Contact: Lower Bloyd / Mbss
35 45 37.0 ± 23 covered
93 07 52.5 - 23 contact

(266) Contact: Lower Bloyd / Mbss [#]₍₁₄₇₎
Lots of rubble 35 45 59.5
around this area 93 07 47.0 ± 20'
covered contact ₍₁₄₁₎
looks like some possible
deformation

(267) Mbss across the creek / drainage
asp: 8° E 35 46 8.0
N 5° W 93 07 44.8 ± 20'
Appears lower on North side
than on the South side

(268) Contact: Lower Bloyd / Mbss [#]₍₁₄₁₎
Lots of deformation bands
N 35° W 35 46 7.7 ± 21'
85° E 93 07 47.2 ± 21'

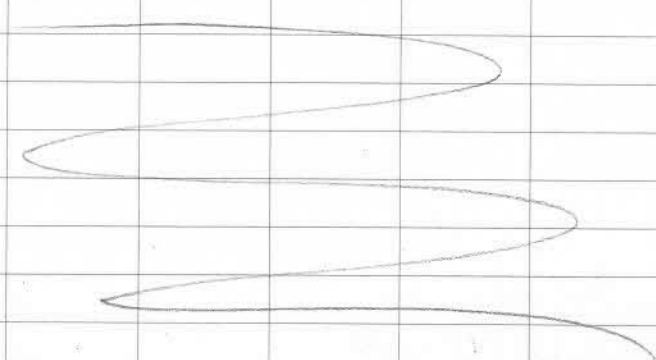


Location Near Hurricane Creek Date 12-4-03Project / Client Statemap 2003-2004

(269) Lower Boyd? / Prairie Grove?
bluff going around 35 45 59.8
the mountain but 93 07 53.0 ±22'
can't tell exactly
what it is yet

(270) Appears to be Cause Hill
dipping 10° W/NW in the
creek/drainage. Strike: N40°W
35 46 00.4
93 07 58.1 ±21'

(271) Prairie in creek @ bottom of
the hill. Appears NO GPS Point
to be dipping. Base of Phg


Location Headwaters of Big Creek Date 1/5/04Project / Client Statemap 2003-2004

Scale

(272) Fault / Fault zone
like contact in ditch
possible lower / Miss
maybe upper. 35 47 35.3
It all looks 93 05 46.1 ±26'
the same
34° W/SW; N21°W
SS dipping 14°W @ N55°E

(273) Main Fault?
lots of boulders 35 47 32.8
& rubble. Covered 93 05 47.7
contact.
Dip 7° N/E @ N70°W ±15' (49')

It's very cold today
& spitting snow.

(274) Miss dipping 7° NW @ N40°W
contact covered
35 47 28.1 ±19'
93 05 56.5

Location Cow Creek Date 1/6/04
 Project / Client StateMap 2003-2004

(275) Contact: Cane Hill / Phg
 good bluff contact \uparrow $\pm 20'$
 very cold from creek
 35 49 44.1
 nine iceckles 93 07 37.4 $\pm 33'$

(276) Contact: Cane Hill / Phg
 covered contact
 up on hillside
 about 15-20'
 35 49 37.7
 93 07 14.4
 $\pm 24'$

(277) Contact: Cane Hill / Prairie G
 covered contact
 just slightly to
 the north,
 good bluff
 35 49 37.7
 93 06 25.0 $\pm 20'$

(278) Contact: Pitkin / Cane Hill
 covered in
 creek bed
 20 litic
 35 49 39.0
 93 06 02.4 $\pm 18'$

Location Cow Creek Date 1/6/04
 Project / Client StateMap 2003-2004

Scale

(279) Contact: Phg / Lower Blayd
 covered contact 35 49 49.5
 above bluff 93 07 42.4 $\pm 27'$

(280) Fault: Cane Hill / Phg to S/SE
 12°S @ N75W 35 49 57.0
 lined dip 93 08 07.4 $\pm 23'$
 in creek

Looking
 W to E
 across creek

(281) Actual Fault right + near
 here. Phg just to the north
 covered
 35 49 54.8
 93 08 04.6 $\pm 21'$ (18') contact

I about poked my eye
 out today on a twig

Mountain North
 Location of Cow Creek Date 1/7/04
 Project / Client Statemap 2003-2004

(282) Contact: Mbss/Upper Bloyd
 Covered contact 35 49 51.3
 Chilly this 93 06 07.2 $\pm 23'$
 norm. but
 notes bad

(283) Mbss rocks are dipping
 slightly to the south @
 about 3-4°. 35 49 47.9
 93 06 21.5 $\pm 14'$

(284) Contact: Lower Bloyd/Mbss
 covered contact 35 49 57.3
 may actually 93 05 57.6 $\pm 16'$
 be $\pm 20'$ lower

(285) Fault appears to be going
 thru here. Normal 35 50 6.0
 Fault w/ North 93 05 53.0 $\pm 22'$
 down dropped
 (Should be opposite?)

Mountain North
 Location of Cow Creek Date 1/7/04
 Project / Client Statemap 2003-2004

Scale

(286) Fault? thru here. Area
 b/c here \pm last 35 50 8.1
 could be a 93 05 52.3 $\pm 23'$
 possible graben. Deformation
 bands seen

(287) Mbss appears to be dipping
 to the south here.
 Could be the 35 50 11.4
 top or maybe 93 05 54.1 $\pm 23'$
 the first ss
 before Mbss from the top?

(288) ss package in upper
 Bloyd dipping 65° E @ 165° E
 35 50 9.7 $\pm 30'$ seen in
 93 07 15.5 drainage

∇ Not upper Bloyd but
 it is the Mbss

Location Hudson Main Rd Date 1/7/04
 Project / Client Statemap 2003-2004

(289) Contact: Cane Hill / Pitkin
 covered contact 35 51 23.0 ± 21'
 contact 93 04 58.5 ± 21'

(290) Contact: Cane Hill / Phg
 covered contact 35 51 25.9
 on roadside 93 05 08.0 ± 23'

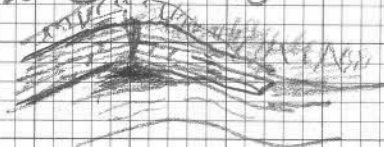
(291) Contact: Cane Hill / Phg
 covered contact 35 51 11.4
 on roadside 93 05 06.1 ± 22'
 contact is up
 ± 15-20' from the road

(292) Contact: Cane Hill / Phg
 actual contact 35 51 6.9
 is ± 15-20' 93 05 34.0 ± 24'
 higher than
 the road where point was
 taken

Location Hudson Main Rd Date 1/07/04
 Project / Client Statemap 2003-2004

Scale

(293) Cane Hill - 18° @ N10°W
 nice fold in creek bed
 seems to be 35 50 43.5
 fairly local 93 07 11.6 ± 22'
 10°W @ N10°W



(294) Contact: Pitkin / Cane Hill
 covered contact
 in creek, just 35 50 30.2
 north of here 93 06 51.4 ± 18'
 the creek disappears
 into a joint in
 the Cane Hill

(295) Sinkhole / joint where
 the creek disappears
 in the Phg

Joints:
 N15 35 50 29.9 ± 22'
 N40°E 93 06 53.5 ± 22'

Location Hudson Mtn Rd Date 1/7/04
 Project / Client Statemap 2003-2004

(296) Contact: Phc / Phg
 Contact above
 35 50 29.4
 hd \approx 10-15' 93 07 07.6 \pm 17'
 covered

(297) Contact: Lower Bloyd / Mbss
 Covered contact
 just off the 35 50 13.4
 Rd 93 07 19.5 \pm 15'

Mouth of Big Creek 1/8/04
 Lurton Quad

(298) Contact: Cane Hill / Phg
 Covered contact
 on hill side 35 48 18.0
 93 05 04.1 \pm 23'

(299) Contact: Phg / Lower Bloyd
 Covered contact
 in drainage 35 48 11.5
 93 04 58.3 \pm 31'
 1 1/2' cong. seen @ top

Location Mouth of Big Creek Date 1/8/04
 Project / Client Statemap 2003-2004
Lurton Quad Scale

(300) Contact: Lower Bloyd / Mbss
 Contact covered in drainage
 Fault runs near 35 48 13.0
 here rocks are 93 04 54.6 \pm 18'
 dipping 3 very
 fractured, 30°N @ N70°W
 Contact may be a little lower
 Jointing: N10°W

(301) Contact: Mbss / Upper Bloyd
 Fault passes somewhere
 near here. Rocks 35 48 08.7
 are very fractured 93 04 49.5 \pm 18'
 Nice deer stand on top of
 a giant boulder

(302) Contact: Lower Bloyd / Mbss
 Covered contact, 35 48 3.4
 deformation bands 93 05 00.3 \pm 24'
 Seen, some honeycomb weathering
 40° NNE @ N85°W
 (Not Mbss but Phg)

Location Tilly Creek Date 1/8/04
 Project / Client Statemap 2003-2004

(303) Contact: TPhy / Lower Bloyd
 Contact just
 above the 35 47 53.3
 creek. Possible
 fault nearby 93 05 05.5 ± 17'

(304) Fault? running thru or
 near here in the lower Bloyd.
 Rocks are almost
 vertical in 35 47 36.2
 places. 93 04 52.3 ± 18'
 Joints: 70°E, 30°W
 N 30°E
 27° Dip

(305) Contact: Lower Bloyd / Mbss
 Covered contact 35 47 30.2
 Mbss seems 93 04 49.9 ± 24'
 continuous thru
 here fault may pass just south
 of here. (But Mbss isn't affected?)

Location Tilly Creek Date 1/8/04
 Project / Client Statemap 2003-2004

Drainage

Scale

(306) Contact: Lower Bloyd / Mbss
 Covered contact 35 47 33.7
 Near drainage 93 04 56.3
 ± 24'

(307) Fault: 110°N @ N70°W
 Appears to be lower bloyd
 on top of TPhy
 35 47 54.9 (55.0)
 93 05 07.7 ± 26'
 (07.6)

(308) Contact: Lower Bloyd / Mbss
 Contact covered
 on road 35 47 58.6 ± 24'
 93 05 18.6

(309) Contact: Mbss / Upper Bloyd
 Contact covered
 on road. Point 35 47 53.2
 taken in the 93 05 33.3 ± 26'
 curve

Location Hetty Branch ^{Lurton Quad} Date 1/12/04
 Project / Client Statemap 2003-2004

(310) Contact: Mbss / Upper Bloyd
 Covered contact

35 48 19.4
 93 05 58.2 $\pm 24'$

Near Tilly Creek 1/13/04

(311) Contact: Cave Hill / Phg
 Covered Contact; very over cast
 sky. Started raining on us
 about 5-10 min. ago. Realized

35 47 43.2 ± 302
 93 04 47.8 $\pm 17'$

may be
 Phg instead of
 Mbss

(312) Contact: Lower Bloyd / Mbss
 covered contact

35 48 01.2 $\pm 19'$
 93 04 44.3

Location Tilly Creek Date 1/13/04
 Project / Client Statemap 2003-2004

Scale

(313) Contact: Mbss / Upper Bloyd
 covered contact 35 47 58.3
 contact 93 04 44.5 $\pm 14'$

Battle Creek drainage
 Behind Scott Baldasari's

(314) Mbss dipping & Fractured
 Fault running near here.
 Nice waterfall here.

35 48 46.0 Dipping: 14°
 93 04 20.1 $\pm 24'$ @ N10°E
 (19.6)

Joints: 5°E, N/S, 65°W, 10°W, 20°W
 75°W, 15°W

(315) Mbss Fault definitely runs
 near here. Rocks dipping
 @ 45° W/SW @ N30°W.

35 48 47.4 (47.8)
 93 04 04.0 $\pm 21'$ (16')
 (4.2)

Location Battle Creek drainage Date 1/13/04
 Project / Client Statemap 2003-2004

(316) Fault zone: Fault running thru here @ $N^{\circ}15-30^{\circ}W$.

Actual fault is covered.

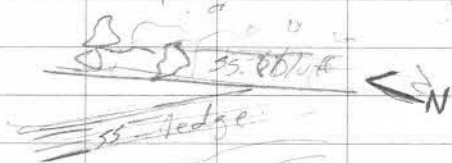
35 48 48.1
 93 04 2.8 ±22'

Rocks on south side of fault dipping $5^{\circ}W/NW$ @ $N28E$

(317) Contact: lower Bloyd / Mbss

Covered contact 35 48 43.3
 May be a little 93 04 1.7 ±22'

lower



(318) Contact: Mbss / Upper Bloyd

Contact slightly 35 48 32.5
 higher than 93 03 57.5 ±26'
 this in drainage

Location Mouth of Cave Creek Date 1/13/04
 Project / Client Statemap 2003-2004

Scale

(319) Contact: Mbss / Upper Bloyd
 Nice contact, very scenic

You can see 35 50 13.4
 For miles in 93 02 51.8 ± 14'
 any direction

Joints: $N85^{\circ}W$, $N5^{\circ}E$

The sky finally cleared & it's a very nice day.

East of Big Creek 1/14/04

(320) Contact: Cave Hill / Phg

Covered contact (No GPS today)
 just saw a bunch of turkeys V. nice day

(321) Contact: Cave Hill / Phg

Covered contact
 may be a little lower in drainage

Location East of Big Creek Date 1/14/03
 Project / Client Statemap 2003-2004

(322) Contact: Pitkin / Cave Hill
 covered contact, just north
 of big drainage @ mouth of
 Big Creek on the East side

(323) Contact: Cave Hill / Phg
 Phg on this side of the drainage
 appears lower than the north
 side maybe 60-80' lower.

(324) Pitkin bluff in drainage
 dipping 90° E/SE @ $N30^{\circ}$ E
 Point is in drainage @ property
 line of Ronnie "A hole" Campbell

(325) Phg in drainage appears to
 be dipping toward the North.

Contact: Cave Hill / Phg * (NOT Phg)
 (but Phc)

Location East of Big Creek Date 1/14/03
 Project / Client Statemap 2003-2004

Scale

(326) Pitkin in drainage
 covered contact, hard to tell
 if its in place or not. Very
 broken up.

(327) Pitkin / Cave Hill contact
 covered contact in
 drainage. Walked for a
 long way, near Sams throne

(328) Contact: Cave Hill / Phg
 on road into drainage
 in the first curve from
 the bottom

(329) Contact: Phg / Lower Bloyd
 contact covered in 2nd curve
 from the bottom

(330) Contact: Lower Bloyd / M. ss
 just above 3rd switchback

Location SE of Cave Creek Date 1/15/04Project / Client Statemap 2003-2004

(331) Contact: Pitkin / Cave Hill 4

Actual contact 35 52 00.8
is slightly 93 01 42.7 $\pm 19'$
below this pointSee the lower Cave Hill ss
good here. Approx. 15' thick
good clean sandstone

(332) Cave Hill? ss appears almost

30-40' thick here. Very
unusual for the Cave Hill.
ss is loaded w/ Fe.35 51 57.3
93 01 53.8 $\pm 17'$

(333) Contact: Pitkin / Cave Hill

on the other 35 51 47.9
side of the 93 02 06.5 $\pm 15'$
drainage. Appears higherLocation SE of Cave Creek Date 1/15/04Project / Client Statemap 2003-2004

Scale

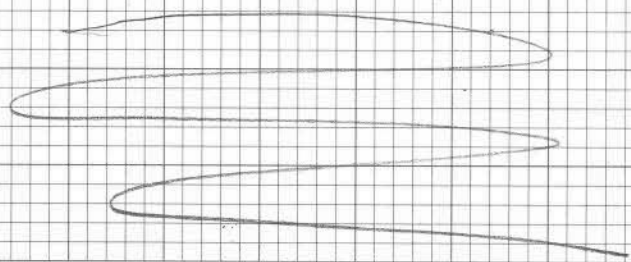
(334) Contact: Cave Hill / Phg

covered contact 35 51 39.7
It started out 93 02 02.2 $\pm 17'$
cool this morn,
but the sun is out and it's
warming up.

(335) Contact: Phg / Lower Bloyd

covered contact 35 51 39.7
Near old 4 93 02 00.1 $\pm 16'$
wheeler Rd

(336) Contact: Lower Bloyd / M6ss

covered contact 35 51 35.9
on old 4 93 01 54.2 $\pm 16'$
wheeler Rd

Location S of Sams Throve Date 1/20/04
 Project / Client StateMap 2003-2004

(337) Contact: Pitkin/Cane Hill
 actual contact 35 51 54.8
 maybe slightly 93 03 08.2 $\pm 17'$
 higher

(338) Contact: Pitkin/Cane Hill
 contact covered
 appears higher on 35 51 58.9
 this side 93 03 14.0 $\pm 24'$
 Dipping 5-6° S/SE @ N45°E

(339) Contact: Fayetteville/Pitkin
 covered contact 35 51 54.4
 spring coming out 93 03 19.1 $\pm 23'$
 @ the contact,

(340) Contact: Cane Hill/Phg
 covered contact 35 51 49.6
 may be slightly 93 03 18.3 $\pm 21'$
 lower

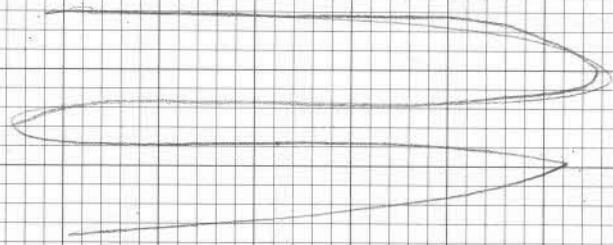
Location S of Sams Throve Date 1/20/04
 Project / Client StateMap 2003-2004

Scale

(341) Lower Bloyd, contact w/ M655
 is up on the steep slope to
 the East. Approx. 40-50' higher
 35 51 46.2 $\pm 24'$
 93 03 14.4

(342) Contact: Cane Hill/Phg
 covered contact 35 52 09.4
 w/ 251 cap 93 03 14.0
 @ the base $\pm 27'$

(343) Contact: Lower Bloyd/M655
 good contact 35 52 25.9
 along trail 93 02 42.9 $\pm 19'$



Location Upper Cave Creek Date 1/21/04
 Project / Client Statemap 2003-2004

(344) Contact: Lower Bloyd / Mbss
 good contact 35 49 57.0
 bluff w/ honeycomb 93 02 37.5 ±24'

Weathering. Chilly this morn.
 but not as bad as yesterday.
 Nice iceicles

(345) Sand unit in the Lower
 Bloyd dipping in creek/drainage.
 2-3° W @ N/S 35 49 45.6 ±28'
 93 02 57.2
 Joints: N85°W, N55°W

(346) Contact: Lower Bloyd / Mbss
 Covered contact 35 49 40.4 ±27'
 on old forestry 93 03 29.8
 road. Lots of
 rubble on hillside. Contact
 may be higher. ss here is
 slightly calcareous

Location Upper Cave Creek Date 1/21/04
 Project / Client Statemap 2003-2004

Scale

(347) Possible Prairie Grove in the
 Creek. Fault 35 41 35.7
 running near 93 03 10.4 ±26'
 here.

(348) Prairie Grove appears to be
 dipping here in the creek
 90°N/W @ N55°E 35 49 30.2 ±26'
 93 03 15.8

(349) Contact: Phg / Lower Bloyd
 Covered Contact 35 49 28.2 ±23'
 rks in lower 93 03 16.9
 Bloyd appear to be dipping

(350) Contact: Lower Bloyd / Mbss
 Good contact, very tough climb
 up to this point. The rocks
 are slightly dipping, and on the
 hillside just to 35 49 23.3
 the north you 93 03 23.3 ±26'
 can see the fault in the Mbss.
 Dip 70°W @ N/S

Location Upper Cave Creek Date 10/21/03
 Project / Client Statemap 2003-2004

(351) Fault runs thru near here
 Mbss rocks are dipping
 $10^{\circ}W/NW @ N50^{\circ}E$, Very Fractured
 and broken. 35 49 18.5 ^(18.1)
 Nice waterfall 93 03 27.0 $\pm 21'$ ^(20')
 here too. ^(21.1)
 Joints: $N85^{\circ}E, N70^{\circ}W, N20^{\circ}W$

(352) Contact: Lower Bloyd / Mbss
 covered contact. Phg appears @
 creek level below. 35 49 6.0
 93 03 24.0 $\pm 20'$

(353) Phg in creek dipping heavily
 $12^{\circ}W @ N/S$, dipping 35 49 15.8
 like overlying 93 03 21.5 $\pm 18'$
 Mbss

(354) Rock in creek dipping $18^{\circ}N @$
 $N65^{\circ}E$ 35 49 48.2
 93 02 57.0 $\pm 21'$

Location Upper Cave Creek Date 1/21/04
 Project / Client Statemap 2003-2004

Scale

(355) Phc? in creek dipping
 $11^{\circ}E @ N15^{\circ}W$ 35 50 11.2
 93 02 32.2 $\pm 25'$

Falls Branch 1/22/04
 Near Ketcherside Man

(356) Cave Hill along creek
 contact is up 35 49 14.6
 above here 93 01 10.9 $\pm 14'$
 approx. 8-9' thick congl layer
 @ the base of Phc.

(357) Not for sure what formation
 point is just to 35 49 46.7
 see where we 93 01 10.1 $\pm 17'$
 made it to.
 Big gobbler just down the hill
 from us really barking

(358) Pink in creek bed. Contact may
 be just slightly 35 49 44.9
 up from here. 93 01 18.9 $\pm 20'$
 Joint: $N45^{\circ}E, N55^{\circ}E, N60^{\circ}E, N85^{\circ}W$
 $N80^{\circ}E$

Location Falls Branch Date 1/22/04

Project / Client Statemap 2003-2004

(359) Appears to be Cave Hill in Φ along the creek here. Possibly Phg just to the North. Appears to be dipping as well

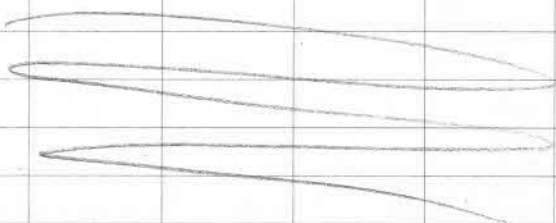
35 50	9.5	
93 02	5.1	

(360) Appears to be a Fault passing thru here in the Phg? Could be just a small local fault. Appears to be Pitkn on the south side dip: 5° W/NW @ 35° E

35 49	55.2	
93 01	25.6	$\pm 21'$

(361) Phg appears to run through here. Covered contact on Rd.

35 49	12.1	
93 01	9.6	$\pm 21'$



Location Shellers Point Mn Date 1/23/04

Project / Client Statemap 2003-2004

Scale

(362) Contact: Mbss / Upper Bloyd good bluff contact

35 49	15.1	
93 02	02.4	$\pm 24'$

(363) Contact: Mbss / Upper Bloyd covered - Rd on top of Mn

35 49	41.8	
93 02	16.2	$\pm 15'$

(364) Contact: Mbss / Upper Bloyd covered - appears to be dipping

35 49	52.5	
93 02	17.8	$\pm 23'$

(365) Contact: Mbss / Upper Bloyd covered - bluff contact cold here w/ a stiff wind

35 49	35.5	
93 02	32.5	$\pm 23'$

Meeks Hollow 1/26/04

(366) Contact: Phc / Phg in the creek. Thick Phg bluff

35 47	16.4	
93 00	5.7	$\pm 23'$

Location Greenhaw Hollow Date 1/26/04Project / Client Statemap 2003-2004

(367) Contact: Lower Blloyd / Mbss
 Appears lower
 on W side of
 the south

35 47	03.2
93 02	37.3 ± 19'

(368) Contact: Mbss / Upper Blloyd
 Creek contact
 covered

35 47	10.0
93 02	40.4 ± 20'

Lower Cave Creek
 Middle Mt

(369) PPhc ss along side trail
 Fault near here

35 51	33.3
93 00	49.2 ± 23'

Mp on other side
 of drainage

(370) Fault passing thru —
 near here. Mp / PPhc contact?
 Mp to the
 North

35 51	50.1
93 00	46.2 ± 23'

Maybe PPhg to the South

Location Middle Mt Date 1/27/04Project / Client Statemap 2003-2004

Scale

(371) Contact: Pitkin / PPhc
 covered - North
 side of fault

35 51	51.7
93 00	44.7 ± 16'

(372) Contact: PPhc / PPhg
 Dipping 23° @ N25°E

35 51	56.0
93 00	41.5 ± 15'

(373) Contact: PPhc / PPhg contact
 covered - could
 be higher up No good GPS

35 51	26.5
93 00	21.2 ± 17'

Rock Horse Hollow Drainage

(374) Good Pitkin on both
 sides of the
 drainage

35 50	58.4
93 01	06.6 ± 23'

Location Horse Creek Drainage Date 1/27/04
 Project / Client Statemap 2003-2004

(375) Contact: On top of Cave
 Hill 55 - covered 35 51 49.9
 Contact 92 59 40.9 ± 20'

(376) Contact: PPhc / PPhg on
 Bass Rd to 35 51 31.5
 Richland 92 59 20.0 ± 28'
 covered contact

(377) Contact: Lower Bloyd / Mbss
 covered - Rd 35 51 40.9
 to Richland 92 59 32.6 ± 19'
 from Bass

(378) Contact: Lower Bloyd / Mbss
 covered contact 35 52 25.5
 92 57 45.5 ± 18'

(379) Contact: PPhc / PPhg covered on Rd
 good bluff 35 51 0.4 ± 22'
 92 58.25.3

Location Daniel Mtn Date 1/28/04
 Project / Client Statemap 2003-2004

Scale

(380) Contact: Mbss / Upper Bloyd
 covered slope 35 50 19.6
 93 00 51.2 ± 17'

(381) Contact: Lower Bloyd / Mbss
 covered slope 35 50 25.2 (25.1)
 nice quality 93 00 55.6 ± 17'
 day today (55.5)

(382) Contact: PPhg / Lower Bloyd?
 covered slope 35 50 18.9
 window is picking 93 01 27.8
 up now ± 23'
 → Mbss / Upper Bloyd

(383) Contact: PPhc / PPhg
 covered slope 35 50 18.2 (19.1)
 good bluff 93 01 40.6 ± 24'
 (40.4) (15)

(384) Contact: PPhc / PPhg - covered
 slope 35 50 6.7
 93 01 18.9 ± 25'

Location Daniel Mtn Date 1/28/04
 Project / Client Statemap 2003-2004

(385) Contact: Phc / Phg - covered
 slope. Contact 35 50 0.8
 slightly higher 93 01 9.2 $\pm 24'$
 $\approx 20'$

(386) Contact: Phg / Lower Bloyd
 covered slope 35 50 19.8
 Contact may
 be slightly 93 01 34.1 $\pm 23'$
 lower

(387) Contact: Lower Bloyd / Mbss
 covered slope 35 50 20.0
 on old Rd 93 01 28.2 $\pm 22'$
 May be lower

(388) Contact: Mbss / Upper Bloyd
 covered on top 35 50 23.4
 of Mtn. 93 00 58.7 $\pm 18'$
 Nice view of
 Cave Creek Valley

Location Richland Creek Date 1/28/04
 Project / Client Statemap 2003-2004

Scale

(389) Prairie Grove in creek
 and making up 35 46 26.7
 the bluff along 92 59 17.5 $\pm 21'$
 the creek

Looks like classic Phg
 w/ concave weathering

Cave Creek 1/29/04

(390) Contact: Pitkin / Cave Hill
 covered contact 35 51 10.8
 on old forestry 93 01 19.2 $\pm 26'$
 rd

(391) Point in the Prairie Grove
 contact-covered 35 51 17.8 $\pm 22'$
 slope 93 01 44.2

(392) Deformation bands seen in
 ss not in place 35 51 5.7 $\pm 26'$
 First seen today 93 01 42.5 $\pm (22')$
 though

Location Cave Creek Date 1/29/04
 Project / Client Statemap 2003-2004

(393) ~~Prairie Grove~~ rubble
 up above us 35 51 00.0
 on the hillside 93 01 53.4 ±231

(394) Base of Prairie Grove?
 Calcareous and 35 51 11.4
 very jointed. 93 01 23.6 ±22'
 Some shear faces w/ lots of
 vertical jointing

(395) Contact: MF / MP
 Covered slope 35 51 7.1
 Fault near 93 01 13.6 ±21'
 here

Hollow South of Luton 2/10/04

(396) First day out since snow last
 week. SS found, fine grained, layer
 of congl @ the bottom.
 Possible Atoka 35 45 33.2 ±24'
 Maybe fossiliferous 93 04 33.1
 Approx. 10' thick

Location Hollow S of Luton Date 2/10/04
 Project / Client Statemap 2003-2004

Scale

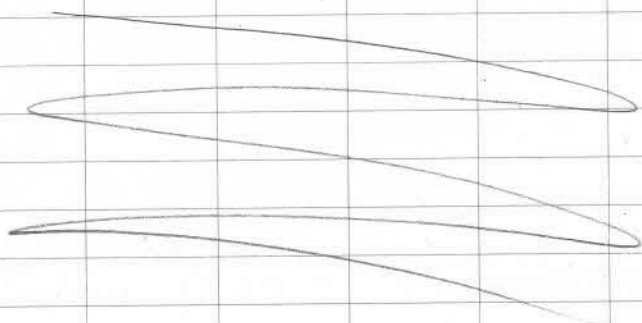
(396) Cont: Joints: N40E, N55E
 Small scale cross-bedding
 also visible

(397) SS in drainage off of
 OHT near 35 44 59.5
 Fairview 93 04 57.5 ±25
 Atoka?

(398) SS package on OHT
 Near Fairview. 35 45 0.2 (0.1)
 Atoka 93 05 8.2 ±19
 (8.1)

(399) Base of another SS package
 Appears 10-15' thick 35 44 41.2 ±19'
 but covered 93 05 18.4
 w/ snow

(400) Top of last SS package?
 on OHT 35 44 30.5
 93 05 25.0 ±21 (18')

Location Cox C Rd Sand Gap Date 2/10/04Project / Client Statemap 2003-2004(401) Contact: Mbss / Upper Bloyd35 44 47.5
93 02 35.7 $\pm 25'$ Mouth of Greenhaw Hollow
and Richland(402) Contact: Lower Bloyd / Mbsson old rd just 35 45 21.6
North of the 93 02 30.3 $\pm 26'$
Creek(403) Contact: Lower Bloyd / Mbsson Richland Creek rd 35 45 5.3
out of Lorton 93 03 17.7 $\pm 24'$ Location Cox Hollow Date 2/11/04Project / Client Statemap 2003-2004

Scale

(404) Mbss present in
Hollow. Contact 35 45 31.5
likely below 93 03 23.0 $\pm 22'$
is(405) Contact: Lower Bloyd / MbssGood 30' ss 35 45 32.5 $\pm 20'$
bluff w/ small 93 03 22.0 $\pm 20'$
waterfall. Still

3-4" of snow and chilly this morn.

(406) Mbss in creek appears to be
dipping. 35 45 55.5 $\pm 21'$
93 03 42.3Dip: $90^\circ E / SE @ N55^\circ E$ Joints: $N55^\circ E, N60^\circ E, N/S, N75^\circ E$ (407) Contact: 7 Mbss / Upper BloydContact covered 35 46 00.2 $\pm 21'$
in creek, too 93 03 43.6 $\pm 21'$
snowy to see
on land

Location Cox Hollow OHT Date 2/11/04Project / Client Statemap 2003-2004

(408) Possible first ss package
in the Atoka 35 46 26
Thinly bedded 93 03 34.8 ±15'
approx. 5-8' thick

(409) 2nd ss package in the
Atoka? 35 45 55.8 (55.3)
x 10' thick 93 03 13.1 ±22'
(12.5) (17')

(410) ss package in drainage of F
at the OHT 35 45 44.6 + 19'
possibly the 93 02 42.9 - 19'
1st package

(411) Mbss along side Rd contact
≈ 20' higher 35 45 13.5
covered contact 93 02 48.8 ±24'

Location Richland Creek Rd Date 2/11/04Project / Client Statemap 2003-2004

Scale

(412) White Spring? dipping
along side rd ~~NO GPS~~
N80W @ 13N

Starting to rain & very
cloudy (Smarna quad near creek)

35 44 19.2 ±26'
92 56 3.5

(413) Contact: Mbss / Upper Bloyd
covered contact 35 43 24.6
on the Rd 92 57 02.6 ±20'
Heavily X-bedded

(414) Discontinuous Mbss section
thru here 35 43 2.9
Appears to be 92 57 5.7 ±21'
dipping.

145 @ N80E

(415) Other side of FvH? Kick rocks
back up 35 42 56.6
92 57 12.9 ±21'

Location Richland Creek Date 2/11/04Project / Client Statemap 2003-2004

(416) ss rocks dipping $14^{\circ}S @ N70^{\circ}E$
 Looks like the $35 \ 42 \ 49.8$
 dip ends here $92 \ 57 \ 19.8 \pm 22'$

HWY 16

(417) ss package in Ato ka?
 appears to be $35 \ 43 \ 47.1$
 dipping $4^{\circ}W @ N10^{\circ}W$ $93 \ 01 \ 21.8 \pm 18'$

(418) ss package on other side
 of hill dipping $35 \ 44 \ 15.0$
 $N15^{\circ}W$ $93 \ 02 \ 6.6 \pm 28'$
 $10^{\circ}E$ ON HWY 16

Rock House Hollow 2/17/04

(419) Contact: Cave Hill / P/Ph
 covered contact, still
 1-2" of snow $35 \ 50 \ 14.1 \pm 32'$
 Cloudy day $93 \ 00 \ 19.1$

Location Rock House Hollow Date 2/17/04Project / Client Statemap 2003-2004

Scale

(420) Contact: Cave Hill / P/Ph
 covered slope $35 \ 50 \ 28.7$
 good Mass $93 \ 00 \ 42.4 \pm 21'$
 bluff across the hollow

(421) Contact: Cave Hill? / P/Ph?
 covered slope $35 \ 50 \ 36.3$
 No evidence of $93 \ 01 \ 7.1 \pm 14'$
 faulting so far
 but rocks are dipping down to
 the NW.

(422) Contact: P/Ph / Lower Bloyd
 covered slope $35 \ 49 \ 49.2 \ (\pm 18')$
 good rock in the $93 \ 00 \ 17.4 \ \pm 24'$
 drainage below
 appears to dip $3-5^{\circ}N @ N70^{\circ}E$

(423) Contact: ? Lower Bloyd / Mass
 covered slope on
 4-wheeler Rd $35 \ 49 \ 44.2$
 ss on the rd $93 \ 00 \ 12.0 \ \pm 18'$
 appears in place

Location Greenhaw Mt Date 2/18/04
 Project / Client Statemap 2003-2004

(424) ss package in either
 upper Bloyd or Atoka
 X-bedded, iron 35 46 39.3
 cemented, good 93 01 20.7 ±27'
 trace fossils.
 15-20' thick Joints: N65°E
 Fine to med. grained ss

(425) ss package above? the Mbss
 on old Forestry 35 45 59.9
 Rd. Appears lower 93 01 42.4 ±25'
 in elevation than the first point

(426) Contact: ? Lower Bloyd / Mbss
 Covered slope 35 45 10.7
 good ss bluff 93 01 23.3 ±26'
 above us ≈ 40-50'

First day its warmed up in a while
 and the snow is finally melting

Location Upper Richland Creek Date 2/18/04
 Project / Client Statemap 2003-2004
South of Greenhaw Mt Scale

(427) Contact: Lower Bloyd / Mbss
 Covered slope w/ lots 35 45 7.2 (9.8)
 of ss float 93 01 03.0 ±27'
 (3.1) (23')

(428) Mbss in Richland Creek
 Nice joints in the bottom
 @ ≈ N60°E, 50°E 35 45 11.8 ±18'
 10°E @ N/S (dip) 93 00 52.2

Almost looks like the TPhp
 Good shale layer b/t the ss
 packages ≈ 10-15' thick

(429) Contact: Cave Hill / TPhp?
 ss is thick, approx 20-30', but
 weathers like 35 45 23.3
 the TPhp and 93 00 25.4 ±20'
 is calcareous. Maybe everything
 we've been seeing today is TPhp

(430) Possible Fault in TPhp
 Deformation band seen
 & maybe some 35 45 57.6 ±20'
 possible offset 92 59 38.5

Location Upper Richland Creek Date 2/18/04
 Project / Client Statemap 2003-2004

(431) Contact: Lower Bloyd / Mbss?
 Covered slope 35 45 54.4
 off of OHT 92 59 51.7 ±20

(432) 1st ss package above Mbss?
 Covered slope 35 45 43.2
 along OHT 93 00 37.9 ±22

Richland Creek near 2/19/04
 Moore Cemetery OHT

(433) Contact: Lower Bloyd / Mbss
 contact covered, may be slightly
 higher. Appears 35 45 44.5 (43.9)
 to be Php in 92 59 06.8 ±26'
 (7.2)
 the creek. Very nice, sunny day.

(434) Contact: Mbss / Upper Bloyd
 covered slope 35 45 37.0
 on OHT 92 59 8.8 ±26'

Location Upper Richland Creek Date 2/19/04
 Project / Client Statemap 2003-2004
Near Moore Cem. Scale

(435) Contact: Mbss / Upper Bloyd
 good contact 35 45 41.7 ±23'
 w/ bluff 92 59 25.9
 waterfall in a nice little bay drainage. took
pictures

Clark Hollow

(436) Php? dipping 6-7° E @ N30° E
 Interbedded 35 46 11.3 ±19'
 ss/shale 92 59 29.6
 Maybe the lower Bloyd

(437) Same ss/shale package
 as before. Looks like Lower
 Bloyd, 7° N, E/W 35 46 11.7 ±28'
 93 00 08.6

(438) Rocks have flattened back
 out. fault may pass 35 46 14.1 ±22'
 thru @ last point 93 00 10.4

(439) Rocks in creek dipping joints
 15° S, N85° E 35 46 16.6 ±18'
 Rocks side 93 00 13.6 (135)
 dipping nearby
 60W
 75W
 70E

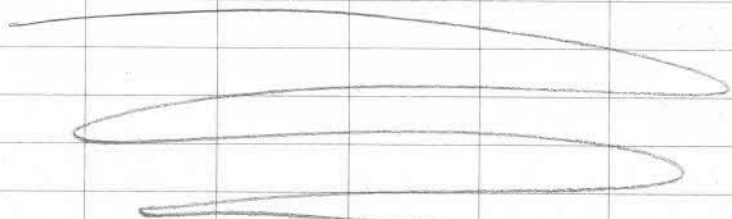
Location Clark Hollow Date 2/19/04Project / Client Statemap 2003-2004

(440) Good Mbss bluff in creek
 covered contact 35 46 15.7
 may be slightly 93 00 23.2 $\pm 22'$
 lower. Bluff $\approx 25'$ thick

(441) Lower Bloyd 35 46 18.8 (19.0)
 7°N/W, N55°E 93 00 18.4 $\pm 24'$
 across drainage (15.5) ($\pm 20'$)

(442) Lower Bloyd / Mbss
 covered contact 35 46 24.7
 in creek 93 00 16.7 $\pm 24'$
 Doesn't appear to be dipping

(443) ss package seen in creek.
 no deformation bands 35 46 9.5
 seen. $\approx 5'$ thick 93 00 8.1 $\pm 26'$

Location Battle Ck / Big Ck Date 2/23/04Project / Client Statemap 2003-2004

Scale

(444) Contact: Mbss / Upper Bloyd
 good bluff 35 49 9.0
 93 04 30.5 $\pm 15'$

Rocks appear to be dipping
 to the north

(445) Mbss / Upper Bloyd 35 49 22.3
 covered slope 93 04 23.8 $\pm 19'$
 6°E, N10°E

(446) Mbss / Upper Bloyd 35 49 00.4
 covered slope 93 04 34.7 $\pm 16'$

(447) Mbss / Upper Bloyd 35 48 56.5
 Mbss appears lower 93 04 31.6 $\pm 21'$
 on the east side

Greenham Ho Now

(448) ss dipping 70S, N85°W
 in drainage. 35 46 15.9
 93 02 30.6 $\pm 24'$

Location Greenhaw Hollow Date 2/23/04
 Project / Client Statemap 2003-2004

(449) Top of ss package, Mbss?
 35 46 52.5 covered slope
 93 02 28.7 ± 15' old log rd

(450) Mbss on the north side of
 the drainage. Fault appears to be
 in this area. 35 46 57.7
 Covered slope 93 02 12.5 ± 18'

(451) Top of Mbss? 35 46 56.5
 South side of 93 02 20.9 ± 16'
 drainage. Covered slope.

Meeks Hollow 2/24/04

(452) Thinly bedded ss/slate
 TPhc or lower NO GPS POINT
 Bloyd?

Foggy & chilly today
 High rain chance

Location Meeks Hollow Date 2/24/04
 Project / Client Statemap 2003-2004

Scale

(453) ss package dipping in
 drainage. 35 46 54.3
 8° SE, N55° E 93 00 28.0 ± 26'
 Fault just north of here?

(454) Mbss appears to be in place
 slight dip? 35 46 55.5 ± 19'
 Higher here 93 00 43.6
 than last point ≈ 8° SE, N55° E

(455) Lower Bloyd / Mbss
 covered slope 35 46 57.8 ± 26'
 dipping 93 00 47.3 ± 19'
 5° SW, N75° W

(456) Fault appears to be passing
 right thru 35 46 57.8 ± 26'
 this area 93 00 39.2 ± 18'
 14° SE, N50° E in creek

(457) Mbss / Upper Bloyd?
 x-bedded ss 35 46 48.9
 w/ layered shale 93 00 37.7 ± 15'
 30-40' thick

Location Meeks Hollow Date 2/24/04
 Project / Client Statemap 2003-2004

(458) Mbss / Upper Bloyd
 Covered slope 35 46 53.8 ± 15'
 V. thick if the 93 00 36.0
 Same as in the creek

(459) ss in the creek as well
 Mbss? Base 35 46 54.3 (54.7)
 5°SE, N55°E 93 00 33.6 ± 14'

(460) ss in the creek & on the bank
 Mbss? Appears to be a slight dip
 35 46 51.5 ± 22
 93 00 14.6

(461) ss dipping in the creek
 Mbss? / TPhP 35 46 55.2 ± 20'
 14°SW, N40W 92 59 52.2

(462) Interbedded ss/shale dipping
 in creek. 35 46 57.1 (57.2)
 130°SW, N80°W
 Possible Phc 92 59 53.6 ± 21'
 (53.7)
 Joints: N80°W, N70°E

Location Meeks Hollow Date 2/24/04
 Project / Client Statemap 2003-2004

Scale

(463) Start of massive sand
 possibly Mbss 35 47 06.5 ± 24'
 Fault S of here? 92 59 55.5
 Maybe TPhP Slightly calcareous

(464) TPhP / lower Bloyd
 still slight dipping 35 47 13.1 ± 20'
 Covered slope 93 00 00.2

(465) lower Bloyd / Mbss? Not
 v. thick, Heavily weathered 35 47 32.7 ± 23'
 Covered slope 93 00 08.2

(466) Top of massive ss
 Covered slope 35 47 28.6 (28.9)
 in drainage 93 00 00.3 ± 24'
 (7.6)

(467) shale package, possible Phc
 Dipping 35 47 04.2 ± 20'
 40°S/SE, E/W 92 59 54.9
 Fault just N of here?

Location North of Richland Date 2/25/04Project / Client Statemap 2003-2004Wilderness area

(468) Lower Bloyd / Mbs?

covered slope 35 47 6.2 ±24

deformation bands? 92 59 19.3

Doesn't appear

very thick 15-20' 120N, ~~180E~~ N80E

Joint: N85W to NW, N80E

(469) Phc / Php? x-bedded

covered slope 35 46 37.8 ±25'

could be lower Bloyd?
92 58 55.2

(470) Seems to be Lower Bloyd

several small 35 47 20.5 ±27'

waterfalls that
are stair stepped Phc?

(471) Phc / Php? ss package above

shale. Looks 35 47 24.7

like Php 92 59 11.9 ±20'

Location Richland Creek Date 2/25/04Project / Client Statemap 2003-2004S of Sugar Gap Drainage Scale

(472) Appears to be Phc

dipping 35 47 32.7

50NW, N20E 92 58 33.0 ±28' (26')
(33.2)

Nice waterfall, took pictures

(473) Looks like Mbs, approx

60' thick. South of Sugar Gap

drainage. Two 35 47 42.4 ±21'

very nice 92 58 44.6

waterfalls. Took several pictures

Have to see if Tim Ernst knows

about these. (Could be With Springs)

(474) Phc / With Springs?

Appears to be dipping

but prob. an 35 47 41.1

unconformity 92 58 41.6 ±26'

clear contact, Joint: N55W

Upper Cave Creek

3/01/04

(475) Mbs / Upper Bloyd

good bluff 35 50 17.9

Fault near here? 93 03 03.4 ±15'

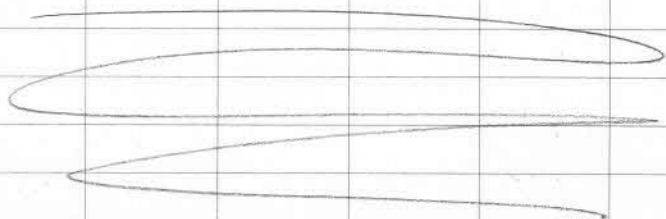
Location Upper Cave Creek Date 3/01/04
 Project / Client Statemap 2003-2004

(476) Lower Bloyd / Mbss dipping
 covered slope 35 50 20.3
 70°E, N40°E 93 03 16.3 ± 25'

(477) Lower Bloyd / Mbss 190°S, N80°W
 Fault near here 35 50 25.5
 deformation bands 93 03 25.3 ± 25'

(478) Mbss / Upper Bloyd
 covered slope 35 50 25.8 ± 22'
 still dipping 93 03 33.3

(479) Mbss / Upper Bloyd slight dip
 covered slope 35 50 06.7
 Fault possible near here 93 03 04.1 ± 20'



Location Rd 1200 From Bass Date 3/02/04
 Project / Client Statemap 2003-2004

Scale

(480) ss along road side,
 possible Phc 35 52 24.1
 ss 92 59 54.2 ± 19'

(481) Phc ss 35 52 19.0
 along the Rd in corner 92 59 40.7 ± 25'

(482) Lower Bloyd dipping along Rd
 40°SW, N80°E 35 51 15.2
 ss layer 92 59 15.3 ± 22'

Icelando Gap 3/02/04

(483) ss bluff in the Phc?
 covered slope 35 50 59.5
 92 58 54.0 ± 25'

(484) Mp / Phc East Fork Cave Creek
 in the middle of bluff. Nice 35 50 59.3
 waterfall, ss is 92 58 03.9 ± 27'
 calcareous. Took some pictures

Location East Fork Cave Creek Date 3/02/04Project / Client State map 2003-2004

(485) Phe in	35 51	02.2	± 18'
creek drainage	92 58	33.2	

(486) Ice ledo ~~map~~ 35 52 02.8
 Php / Lower Bloyd 92 57 52.2 ± 20'
 Higher across the drainage?

(487) Phe / Phe	35 52	04.0	
Covered slope	92 57	52.2	± 25'

Not very thick ± 20'

(488) Phe / Phe	35 52	8.0	± 20'
Covered slope	92 58	9.2	

appears higher here
 Very hot, sunny day

(489) Phe / Phe	Prairie Grove dipping		
29° N, N85° E	35 52	7.6	
Covered slope	92 58	8.9	± 17'

Joints: N50° W, N15° W

Location Blaylock Knob Date 3/02/04Project / Client State map 2003-2004East side of knob

Scale

(490) Phe / Phe	35 51	35.9	
5° SE, N55° E	92 57	23.0	± 21'

good contact x-bedded

(491) Phe / Lower Bloyd

Joints:	35 51	28.1	
N55° E, N30° W	92 57	18.1	± 17'

(492) Phe? dipping in drainage

21° S, N75° W	35 51	25.0	
Fault possible thru here	92 57	31.9	± 22'

Dip on North side 10°, 28° N15° W

(493) Phe dipping on North side

10-29° E, N15° W	35 51	25.2	
	92 57	32.9	± 19'

(494) Phe / Phe

good contact	35 51	26.2	
Other side of Fault?	92 57	34.1	± 23'

Location E of Iceledo Gap Date 3/02/04Project / Client Statemap 2003-2004

(495) Lower Blloyd / Mbss
 Covered on 35 50 55.2
 old FS rd 92 58 19.8 ±15'

(496) Lower Blloyd / Mbss
 Covered on 35 50 46.0
 FS rd 92 57 59.6 ±16'
 Bluff to the West

(497) Contact: PPh or Witts / PPhc
 large bluff 35 50 52.8
 very thick 92 56 58.7 ±19'

Campbell Hollow 3/02/04

(498) Pitkin / Cave Hill
 Covered slope on 35 51 50.7
 old Forest Rd 92 56 41.4 ±15'

(499) Cave Hill / PPh or Witts Springs
 covered slope 35 51 44.6
 not very thick 92 56 35.4 ±18'

Location Richland Crk Rd Date 3/03/04Project / Client Statemap 2003-2004

Scale

(500) Cave Hill / Witts Springs
 Covered slope 35 48 05.3
 ON Rd 92 55 56.0 ±27'
 40°SW, 170°W

(501) Lower Blloyd / Mbss
 Covered slope 35 48 29.3 ±27'
 ON Rd 92 56 17.1

Switched to a
 new book

SM