2 of 3
pts 297-736

"Rite in the Rain"®

ALL-WEATHER

GEOLOGICAL

No. 540F

INCH CM

"Rite in the Rain®"
ALL-WEATHER WRITING PAPER

ALL-WEATHER
GEOLOGICAL FIELD BOOK

Name ERIN SMART
with RICHARD HUTTO (R.H.)

Address

Phone 501 683 0185

Project STATE MAP 2007 2008

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

a product of
J. L. DARLING CORPORATION
(253) 922-5000 • FAX (253) 922-5300 • Tacoma, WA 98424-1017 USA
www.RiteintheRain.com

CONTENTS

PAGE	REFERENCE	DATE

Reference Page Index

Location ______ Date 9.26.07

Project / Client ______

(297) 35 59 1.3 ± 27′
92 34 24.D

wpt 14 Of / MsT etc storm is upon us

(298) 35 59 20.8 ± 32′ pt marks Of / MsT
92 34 11.5 nored

stopped for lunch under overhang to wait out storm. Still drizzly and thundery. Hiking on hill to get back to Goldie.

MsT is ~ 8-10′ thick

Of ~~~~~~~~ found up
→ ~ 4′ thick... cool

(299) 35 59 20.5 ± 24′
92 33 53.1

exploring upward bound road off of OLD MILL SP. Rd. Of to this pt

otcp is in the road Not much else on the slope.

wpt 16

(300) 35 59 26.6 ± 21′
92 33 46.2

on hillside, pt marks MsT / Of on side

tot otcp is ~ 8-10′ th. ~ 2-3′ of Of, veg cover then ~ 4-5′ of MsT

MsT is pink - grey w/ grey toward the top. Same brachs also seen in this tip bed.

Location OLD MILL SP. Date 9.27.07

Project / Client ______

Scale ______

wpt 17

(301) 35 59 45.6 ± 30′
92 33 49.6

Came down to terminus of The 'NOSE RD' Hiked down here to this Osp bluff 225′ high. Base still looks like Osp all otcp above are covered!

Nice, quiet, foggy morning.

R.H. Hiked down to base of bluff, found Oe (Osp ~20′ thick). Great crossbeds on Osp - Also found 2 chutes down Osp joints to ground below. Very cool.

(302) 35 59 41.5 ± 20′
92 33 47.1

Of / MsT Of otcp is ~ 10-12′ th

v small exposure of MsT (~2-4″)

Of is pink - white m - c xtl

MsT is grey w/ blackish weathering: crinoidal w/ iron pyrite blebs

(303) 35 59 33.8 ± 19′
92 33 16.7

ONLY US RD (W). MsT / Of along ditch of new road. Horrible clear cutting thing here. ~~se~~ creek is totally dammed up.

Jeep is parked further down the road where we first noticed Of. ~ 60-70 yds down

MsT is v far grey well cemented (fresh surf) crinoids w/ black stain

Of = pink m xtl.

Location _____ Date 9.27.07

Project / Client _____

wpt 29
304 35 59 33.0 ± 18'
92 33 21.7

first Op in road
305 35 59 25.7 ± 9'
92 33 26.1

First exposure of Osp. There is a small "dog out" of Op just on the hill above. (wpt 24) Osp lives the creek below super muddy! There is also Op float out in the road.

wpt 23
306 35 59 29.9 ± 17
92 33 34.6

little nubs peeking out at end of the road. Op/Osp ! end of the road all grown up, but R.H. hiked down. says there is a "great bluff" ~~probably~~ similar to pt 301 (p3). "Good news" beds are all around. Sunny, warm.

wpt 23
307 35 59 37.0 ± 24'
92 33 31.5

NO Oe visible from bluff. thicker than Osp @ pt 301.

pt in Road that follows along ctc. Of is below Mst (Mss ~ 8'-10' to Op) still in Msnd. Mss / Mn top

R.H. found some interesting Mst along the road bed. dark weathered dendritic w/ a sh bed!

Location _____ Date 9.27.07

Project / Client _____

Scale _____

308 35 59 39.5 ± 23
92 33 35.0

Mss w/ kinds of Of below! Still on Road.

wpt 25
309 35 59 43.1 ± 17
92 33 34.8

Op / Of just on road side; Op ctcp ~5-8' then Of

10.9.07

wpt 27
310 35 59 55.5 ± 17
92 31 56.5

karst feature along Hickory Hollow Rd small sinkhole ~15' in diameter filled w/ leaves

wpt 28
311 36 00 10.4 ± 22'
92 32 23.3

couldn't find any ctc in fields on edge of map

pt marks the first visible ctc of Of / Mst (no sndst)

Mst is grey - blackish (dark) similar to other Ladd (Soto) grades

to darker up the exposure - ~10-15' thick section exposed til top of MB

▲ samples collected by R.H.

Location Harriet Quad Date 9.9.07

Project / Client

wpt 3

312 36.00.04.0 ± 25
92 32 18.0

still "off the quad". pt marks
first exposure of MSJ down
from Boone (upstream). standing
directly in drainage. MSJ is exposed
~5-8' thick. grey cinoidal,
thin bedded, stylolitic
dip looks slightly ~~to the south~~
(~5°E) N10E strike

313 36 00 18.0 ± 19'
92 32 34.9

still cozahome quad. Pt marks
Op / Of c/c. Op is ≥ 1' exposed
Of is 18-24" exposed
• photo by R.H. is good example
of weathering. Op bleached white
Of is moss covered.

10.10.07

Location HARRIET QUAD Date 10.10.07

Project / Client

Scale

wpt 05

314 35 58 53.2 ± 32'
92 33 29.8

Spring Creek. pt marks the
place where Osp contacts creek
level. Osp bluffs (~20' high)
were visible all downstream
from this pt. Ufast is atop for
~ 70 yds downstream. really
moving the line today.

wpt 6

315 35 58 51.5 ± 18'
92 33 31.0

top of Osp. Op just above.
There is another good bend in
waterfall ~ 20-25' high.
you can hear the highway
from here. the surface of
the Osp has N45E 65E surface

wpt 7

316 Beautiful day
35 58 47.3
92 33 38.3 ± 21'

Op / Of c/c in creek! Massive, mossy
stylol. hc

317 35 58 44.3 ± 18'
92 33 41.4

Mof / Mo c/c. the "flat area" downstream
from here is prob the Oc / Msj c/c

wpt 8

Location Harriet Q. Spring Ck Area Date 10.10.07

Project / Client

wpt 09

318 35 58 55.4 ± 16'
92 33 20.9

Top of Osp forming flat area adj to old cow pond. Grassy all on the surface, small ledges of cp at base, Op float where slopes begin w/ ~5-8' of Op bluff of cp on the tops to the hill side. Nice open grassy area!

319 35 59 16.8 ± 15
92 33 15.1

first visible Osp within the ruts of an old road. The road flattens out ~50yds down hill and there is an old dump off the ledge. The area is extremely overgrown (lots of cedar) all other fms are not visible on the hike down in from above

N80E 6°N

Location HARRIET QUAD Date 10.10.07

Project / Client

Scale

WPTH

320 35 59 21.3 ± 29'
92 33 5.7

Sorry drainage, all grown up. Op was all covered. pt marks only exposure of around. Of is pinkish exposed for ~1' x 30'

321 35 59 20.4 ± 34'
92 33 18.6

Top of Osp bluff above the creek Op of cps above on hill side. Some veg covers the cfc, but good bluff here.

322 35 59 31.8 ± 16'
92 33 34.6

Standing before a beautiful ~25' bluff w/ an Oe/Osp cfc Oe is exposed ~6-10' up from base then Osp to top. RH took smpl of stromatolite and some photos.

looks like the bluff goes back around the "nose" in creek we are near the 'clear cut' area from last week.

Worm tubes in top 2-3'

Location HARRIET QUAD Date 10.11.07

Project / Client

pt 14

323 35 59 58.2 ± 40'
92 34 44.5

TRIB to DRY PRONG

OLD LOGGING ROAD ON RATCHFORD LAND. pt marks first Otcp of MSJ MSJ/MB

DK GREY - WHITEISH competent

CAD THIS MORN. ICE IN WATER BOTTLES

~ 15 yds down from the point, Op otcps! No Of to be found There is a small (~1') bed that has Of is prospective but is still fine & xtc, cinc'd w/ phosphate pebals. R.H collected in sample. total exposures up from road include ~8' of Op then ~5-8' of MSJ. Look! also 2-4" of MSnd! btween

324 35 59 53.3 ± 32'
92 34 46.4

Osp/Op otc w/ spring. Nice deathly pi.

Location HARRIET QUAD Date ~~10~~ 10.11.07

Project / Client

Scale

pt 16

325 35 59 58.3 ± 18'
92 34 48.8

Oe/Osp in creek!

Nice waterfall area over Osp just up from here. Really grown up down here but nice

Bluff is ~ 20-25' high w/ ~8' of Oe; stromatolites good discussion about Origin of stromatolites; whether one-Op or double Osp. what types of environments persisted, effects of transgression/channeling...

326 35 59 42.4 ± 18'
92 34 30.5

uppermost exposures of Op in drainage. Very overgrown. Lots of downed trees. exposures are ~1'x1' knobs in side of creek bed. no MSJ visible; only MB laying around.

pt 18

327 35 59 50.5 ± 30'
92 34 25.9

Osp/Op otc waterfall. typical.

Location _____ Date 10.11.07

Project / Client _____

wpt 19

328 35 59 58.3 ± 18
92 34 30.5

Qe/Qsp great water fall. valley is out 30-35° down in R.H. Climbed down to confirm the top of the Qe below. I am standing across from him (in creek) but I am atop The Qsp. [Move pt to creek bed] lots of Qsp! ≈50'

329 35 59 56.0 ± 17'
92 34 33.0

pt marks top of Qp where ~~Mssd~~ Mss (sandy) rests above spanning gap (indistinct 3'-10') may be small (3') reentrant of Mssd. Had to reach. pedestal. tic total exposure is ~ 10-15' w/ ~ 1' of Sst, 8-10' Mss ~ 2' of Qp exposed. N 5 W 100 W

top of Mss could be ≈ 15-20' higher, evidence that block slumped down hill!

Location _____ Date 10.11.07

Project / Client _____

Scale

corahome.

330 36.00 10.0 ± 17'
92 34 50.8

top of Qsp! Qp above on road we saw Mss/Qf! Qf looked about 3-4' thick. But we've gone off the deep end. may be stuck.

wpt 22
331 36 00 8.6 ± 23'
92 34 54.7

Not stuck, back @ Mss/Qf ~~Qe~~ exposure. Qf actually looks 25-8' thick!

10 15 2007 RAIN!

wpt 1
332 35 54 28.1 ± 26'
92 28 56.4

Dig out in Mb; Road to Buzzards Roost (LANDIS QUAD); off CAMPBELL Rd. Dimensions are ≈ 50 x 50' x 10-15' deep fairly new.

wpt 2
333 35 54 6.6 ± 22
92 26 42.1

Mystery field. Where are we. Looking for roads up to Pct, Mp. Nice views.

HARRIET / LANDIS

Location WILDCAT HOLLOW AREA Date 10.16.07

Project / Client

wpt 3

374 35 58 49.4 ± 25'
92 30 16.2

WALKing up a fork to the main creek, pt marks O_p beds in creek w/ O_f on the banks (not but 6' above bed).
- O_f otcps as small, weathered knobs (grey-pinkish) w/ moss covering
- O_p weathed grey thin beds of lmst appears to dip back to N.
  N55W 16°N
  → massive mod beds stylolitic surfaces

* this contact is quite undulatory; O_f rises up to 8' above creek bed in some places (comment. ~ 80 yds from pt)

[dip changes in O_p to N55E 6°SE]

335 35 58 49.0 ± 30' (17.6)
92 30 27.3

O_p / O_f ctc. whoa! way up here? Also, the O_p has a brechiated bed. O_p clasts w/in crumbled matrix. Very cool. O_f is normal. pinkish lime mssstone

Location WILD CAT HOLLOW AREA Date 10.16.07

Project / Client

Scale

335 cont there is lots of Veg on M_B float covering most otcps. the exposure here is ~ 4-5' of O_p w/ O_f ~ 5' as weathed knobs

wpt 5
336 35 58 49.9 ± 18'
92 30 29.0

pt taken at top of O_f (yellowish matrix)
No Mss visible anywhere in creek or hillside. the slope of the hill does change (steeper) slightly at the pt. M_B float containing Veg also

wpt 6
337 35 58 52.8 ± 17'
92 30 25.0

pt marks top of O_p ctc w/ O_f (O_f is pinkish fm+tc) at confluence creek. Looking to check ctc w/ pt 335.

338 35 58 55.7 ± 18
92 30 29.8

Another pt marking top (last exp) of O_f. No Mss in the area or adj drainage postulating possible evidence of faulting around here w/ Non deposition of Mss. M_B is relatively thin.

Location ______ Date 10-16-07

Project / Client ______

wpt 08
(339) 35 59 1.8 ± 17
92 30 29.0
pt marks Op / Of ctc on hillside above creek/Road.
Op is ~ ~~8-10~~ 10-15' thick to ctc w/ Of.
top of Of still shows no MSJ

wpt 09
(340) 35 59 12.4 ± 17
92 30 34.4
At long last MSJ is exposed in creek bed/drainage. ~4' thick w/ MB regolith covering.
snap taken here. MSJ has slight mg staining, crinoidal (grey-pinkish); red bleby looking.

(341) 35 59 2.3 ± 22'
92 30 32.6
top of Of here has no MSJ.
pt marks Op / Of ctc

wpt 11
(342) ~~35~~ 58 46.0 ± 24
92 30 17.5
Op / Of ctc up hillside adj to old road. whoa, way up from creek; still poss. faulting.

Location ______ Date 10.16.07

Project / Client ______ Scale

(343) ~~35 58 43.5 ± 30'~~
~~92 30 19.1~~
~~Of / MSJ adj to old road~~
R.th. pt 35 58 42.8 ± 18
92 30 18.3

wpt 13
(344) 35 58 52.6 ± 24'
92 30 01.8
probable top of Of on old Road, really covered, probably 30+' up from the creek bed

wpt 14
(345) 35 58 28.4 ± 83
92 29 50.9
N70W N30W N5W N50E N/S N10W N15W
N10E 45E S+D
Joints in Of

10.17.07

wpt 15
(346) 35 58 10.6 ± 22'
92 30 21
Op / Of ~~[illegible]~~ ctc in creek bed.
Of otcp as rounded, massive w/ stylolitic surfaces

HARRIET / LANDIS

Location WILDCAT HOLLOW AREA Date 10.17.07

Project / Client

wpt 16

347 35 58 6.9 ± 28'
92 30 9.0

small drainage / possible spring or cave.

c/c b/t Of / Msnd / Mss
2/0 1.5" 1" - 1 1/2" ~3' exposed

▲ smpls collected up from creekbed Lower → upper

Mss = pinkish - dark grey (blebby) pink w/ mang. staining

wpt 17

sandy → tanish, argillaceous b/t

348 35 58 5.5 ± 20'
92 30 11.2

Adjacent fork to pt 347.

Of / Msnd / Mss
~3' exposed 4"-6" thick reentrant ~8-10' exposed/visible

top shows lt grey w/ pink blebs for, some breaks along joint planes

349 35 58 13.0
92 30 20.2 ± 26'

▲ Mss smpls Of / Msnd / Mss

agreement sample of 3 Mss units (sst, pnk, grey) looks like it thinned out,

HARRIET / LANDIS

Location WILDCAT HOLLOW Date 10.17.07

Project / Client state mgp 07-08

Scale

~~348~~ cont'd Mss sample is all thin beds (sand, pnk, grey)

wpt 21

350 35 58 19.1 ± 8.0
92 30 4.3

Op / Of

351 35 58 36.8 ± 20'
92 29 20.2

hiked up cowfield road from wild cat hollow towards big creek.

pt. marks Osp; appears to be the top of the ledge.

352 35 58 29.9 ± 20'
92 29 10.7

Osp / Op above Big Creek

wpt 22

353 35 58 28.1 ± 34'
92 29 12.1

top bed of Op exposed along ridge. Of in road bank above!

354 35 58 19.0 ± 27'
92 29 4.5

top of Osp; Op on slope above

Location Big Creek LAWDIS Date 10.17.07

Project / Client

upt 29

355 35 58 18.7 ± 23'
92 28 55.6

Down on gravel bar on Big Creek. Op rises ~ 30' up from bed. then Osp.

• photos by R. H.

Osp is undulator surface, massive

356 35 58 12.9 ± 27'
92 29 11.2

top of Osp. Op above!

upt 26

357 35 58 16.5 ± 30'
92 29 15.6

Op / Of on old road

upt 27

358 35 58 18.6 ± 30'
92 29 20.1 (15.9) ± 15'

Op / Of / Mss Mssd is not readily apparent (covered?)
~2' exposed.

~15' thick

Location Date 10.18.07

Project / Client

Scale

10.18.07

upt 28

359 35 58 29.0 ± 30'
92 30 0.6

Osp / Op etc visible in creekbed

Osp float all along the float to this point. Some boulders several feet across, but there is no large Osp on the banks. Only Op. Can also see other Osp upstream from (float)

the pt. probably dips 1-2° up in down stream direction.

dip on Op = 4° E N5W

upt 29

360 35 58 29.1 ± 23'
92 30 3.0

Osp lines the creekbed

Standing on the bank Op is otcp ~20' above to top. Osp float in creek bed and on opposite bank up to ~30' to Op high on hill side. R. H. is standing on etc. taking a seperate point. Fault runs / crosses the creek at this point. Cool.

35 58 27.9 ± 34'
92 30 2.8

there is ~20-25' of bank to top above R. H. head all Op

Location WILD CAT HOLLOW AREA Date 10.18.07

Project / Client

360 cont'd

Rough estimate of fault plane is possibly N70W.

upstream from last pt. Op continues to R.H. on the ~~eastern~~ Northern bank

R.H. 361 35 58 37.7 ± 19'
92 29 59.4

break in bluff; creek crosses plain of the fault @ bluffs downstr. on banks. Open creek bed.

wpt 30 362 35 58 29.1 ± 23'
92 30 6.9

R.H. Osp/Op on Northern Slope (bank / hill) of creek.

363 35 58 29.9 ± 22' Op/Of
92 30 3.6

R.H. base of top of Op

364 35 58 30.4 ± 21'
92 30 4.6

R.H. Of/MS

365 35 58 30.0 ± 22'
92 30 6.2
Op/Of S. side of fault

Location WILD CAT HOLLOW AREA Date 10.18.07

Project / Client

Scale

wpt ~~31~~

369 35 58 31.9 ± 16'
92 30 6.2
Sinkhole in MB NEar fault plane. ≈ 40' deep ~40-50' across. Way back adjacent to old road. Road is over grown. Leaves and trees fill the sink hole. No rock exposed therein.

wpt 32 367 35 58 33.2 ± 30'
92 30 10.4
Another MB Sinkhole. No otops visible; presume all MB. Very broad. ~80' to top; ~100 yds filled with trees and orgabels. across top ≈ 40 yds across bottom

368 35 58 31.8 ± 32'
92 30 10.4
Smaller Sinkhole ~15-20' deep; ~~10~~ yds across top ~3' across bottom

wpt 34 369 35 58 29.0 ± 3'
92 30 15.1 ± 19'
Probable top of Of in small drainage. No MB visible, only small MB drop ≈ 15' above to E.

Location WILDCAT HOLLOW AREA Date 10.18.07

Project / Client

wpt 35
(370) 35 58 28.8
92 30 19.1 ± 23' top of O_f

walked the "CTC" over to next drainage. No great Msr still. Some crinoidal O_f-esque rox. but still looks fernvalian.

(371) 35 58 27.9
92 30 18.7 ± 26'

O_p / O_f on hillside
N20E 70 ESE

(372) 35 58 25.9
92 30 17.9 ± 20'

O_{sp} / O_p on N bank!

Joint in creek bed below:
N65E
N/S

10.22.07

wpt 37
(373) 35 59 43.6 ± 19
92 27 27.1

Osp otcp in Road bed probably the top. O_p rocks just up from here

Location Friendly Road. LANDIS QUAD Date 10.22.07

Project / Client

Scale

wpt 39
(374) 36.00 00.3
92 27 45.8 ± 32'

O_{sp} / O_p

Visited with Sharon (?) Reese → diabetic, anxiety + out on Friendly Ln.
son: Joseph on hill w/ Newborn on the way.

wpt 40
(375) 36. 00 00.1 ± 21'
92 27 42.4

O_p / O_f on hillside; Reese Fm tributary to Big Creek.

O_f is ~8' thick to ctc w/ Msr. = thin bed crinoidal → grey-pinkish w/ Mg stain

wpt 41
(376) 36 00. 00.6 ~10' fm
92 27 42.3 ± 27'
No msnd b/t O_f and Msr
pt marks top of Msr ~~hill is~~
the fm is more grey here than @ base; whiteish in bt.

(377) 35 59 56.2 ± 17'
92 27 58.6
top of O_{sp} / O_p above!

Location _____ Date 10.22.07

Project / Client _____

upt 43

(378) 35 59 51.3 ± 22'
92 28 00.5

Op/Of on hillside; trying to

upt 44 follows old Reese Fm RDs...

(379) 35 59 50.2 ± 19'
92 28 00.0

top of Of; Msj scattered around. covered etc. good otcp of msj - 5' upslope from pt.

prob the top of Msj

45 (380) 35 59 50.5 ± 28'
92 27 54.6

Osp/Op; small drainage below etc looks like + undulates

(found again; just below, down in drainage) E/W 6°N strike dip

upt 46 (381) 35 59 53.7 ± 27
92 27 53.7

great waterfall area. Oe/Osp ~10' dam below pt

Osp looks ~ 25-30' th. (prob 40't) (then Op? thin bedded Osp)

Location _____ Date 10.22.07

Project / Client _____

Scale _____

upt 47

(382) 35 59 56.7 ± 25'
92 27 49

Osp/Op in small drainage image Deive area; road to Bird Creek.

~46°
10.24.2007 cold, clear, windy

upt 1 (383) 35 59 58.2 ±14' Msj/Mo
92 26 12

hiking down into 'Shortcreek'; old logging road, found beautiful dark shaly Msj w/ spectacular ripples. other beds below have xtl w/ phos pebs in some areas.

• photos by R. H.

Msj/Of etc is ~5' down the road (ie Msj is ~5' thick to etc w/ Of)

Of is m-c xtl, pink w/ branchs & green shale partings/lenses. crumbly

▲ samples

• photo of xbed in Of

Location _____ Date 10.24.07

Project / Client _____

upt 2

384 35 59 55.3 ± 22'
92 25 51.8

Msj / MB

some iron pyrites in Msj here. But rx is grey-lt gry

upt 3

385 35 59 55.0 ± 18
92 25 35.6

MSJ / MB → 4'x1 almost Chert above

dk/lt reddish crinoidal (maybe sink?)

way cool fold in Msj trends ~N10°W across the creek.

- dips are 23° W N10° W on E side of fold
- on west side of fold N65E 11-12° SSE

area joints one ~ N/S

Near by spring running ~~~20-30 gpm~~ 1/2 that

upt 4

386 35 59 52.4 ± 20' S.1 / Mssf / MST
92 25 41.4

standing in creek bed; Silurian rx are ~8-10' th from bed of creek, Mssf 24" then Msj. Sil are grey w/ pink blebs. Prob Lafayette

Location _____ Date 10.24.07

Project / Client _____

Scale _____

388 (cont'd) below is pinkish (vuggy calcite) in CXH; probably Brassfield?

upt 5

387 35 59 56.9 ± 24'
92 25 48.7

Op dlcps in crkbed. Sil above ~10-15' thick than Msj above. Pt is in creek w/good dlcp bluff on the north bank

▲ pass glauc (greenish pellets) in a sample of SLnf.

upt 6

388 36 00 8.9 ± 20'
92 26 1.8

first beds of Op-type rocks that most are similar to the sandy-silty, tanish w/ calc veins that we saw at the Quarry (Old Quarry Rd)

▲ possible Ocmawk? sugary Op-esque above/within sandy portion?

upt 7

389 35 59 53.2 ± 21'
92 26 58.2

Op / Ok? / Of off of image drive trib to Big Creek

Op floaters down on old roadbed. Up the hill side there is no classic Op dlcp, but find the sandy/sugary possible Ok ~4' thick.

Location _____ Date 10.24.07

Project / Client _____

wpt 8

390 35 59 54.0 ± 19'
92 26 57.8

wow, Of was not as thick as expected, compared to Short Creek. also NO Sil Rocks.

M_{SJ} is dark grey-reddish cinnabar

wpt 9 Of is ~15'-20' thick

391 36 00 0.9 ± 18'
92 26 58.0

Op/Of @ old (really) homestead. ↳ shack w/ chevy hood.

392 36 00 21.6 I ~~35'~~ ~~23'~~ 16'
92 27 29.1
~~COTAHOME@RMS~~ BIGFLAT

(prob) top of Osp Op dep all along thenway following road down to creek.

wpt 10

393 36 00 7.9 ± 28'
92 27 12.6

Op/Of / M_{SJ} / M_B nice steps on hillside road bed

~10' th dark pink

~5'-8' th light grey subtle pink f gr; some Mg stain

NO M_{ind}

Location _____ Date 10.24.07

Project / Client _____ Scale

wpt 11

394 35 59 33.6 ± 28'
92 27 20.5

first exposure of Op in creekbed etc is covered to this point exposure is only ~1' thick. Covered by trees!

10.25.07 showers

wpt 12

395 35 59 41.9 ± 23' M_B/M_{BV}
92 25 12.8

top exposure of M_B. M_{BV} is floating all around. lots of veg cover. covered etc

wpt 13

396 35 58 57.0 ± 24'
92 24 55.7

M_{BV} otop along the ~~rd~~ roadside/bt no M_{BM} (Ruddle/Moorefield) below. Looks like we are lower elv. than pt 395?

397 35 59 25.6 ± 17
92 23 21.8

Last, lone M_B on hill, no clarity f Osp above. Ass. etc

Location FREEMAN Date 10.25.07

Project / Client

wp+15

398 35 59 18.8 ± 20'
92 23 22.2

area where Mm is found (as float)
calc-foss, fierous, sndy petroliferous, ~~tiny shells~~, lmst.
Δ 1/2 v 1/2 smple
foss fierous gre-brn sndy lmst
dark grey lmst (micritic)

wpt 16/
399 35 59 15.3 ± 17'
92 23 24.2

top exposures of MB float around, several Mm petrosndy limes floating above.

400 35 59 17.8 ± 21'
92 23 26.9

slope change on hill marks the poss base of MBv just float all around (to top) but no otcps.

10.29.07

wpt 1
401 35 59 15.1 ± 20'
92 43 21.1

Mm / MBv ; Mm is silty shales otcp in ditch; weathered tan-buff dark grey
MBv is redish-buff in weathered; white SH in fresh surfaces fine grsst.

Location MARSHALL QUAD Date 10.29.07

Project / Client

Scale

401 cont'd Mm is darker (brn-blk) w/ some sdy sltst lams. iron oxide in some lams.
otc is exposed in ditch along punkin flat.

wpt 2
402 35 53 51.4 ± 17
92 43 22.4

base of MBv. Spring @ otc
songbirds all around.
MBv is small ~1' th exposure on ground. float all around below where strata is cracked out below.

403 35 53 31.2 ± 17
92 45 18.2

last exposure of MP hiking back up the small drainage. old mining road probably follows the otc.

~~OP / C~~ MP / PCH

wpt 4
404 35 52 59.7 ± 16'
92 45 15.4

MP / PCH

MP is grey-yellowish limes w some sandy clasts; oolitic, pellets, brach, algal
PCH is grey-redbrown; crossbeds; small ~5' bed of brnish black SH above MP.

Location BRYAN Mt MARSHALL QUAD Date 10.29.07

Project / Client

up ⊏

405 35 52 47.0 ± 21
92 44 49.8
3:30 pm
taken to be the base of the Wilts Springs sndst (Pws)
grey poorly sorted ~~cgr~~ fossiferous sndst. Very pretty, iron oxides on some foss.ils. grades upward in to a more weathered moderately sorted sndst. less fossiliferous mostly exposed as float along hillside. slope gets steeper @ pt and there is a small (~ 3-4' otcp) is more thin bedded (due to weathering) rather than typical massive.

up to 407 406 35 52 ~~25.7~~ ± 22'
~~92 44 40.7~~

M_f / P_{CH} ctc (NEW construction cabin)
M_p is dark gray fine x-tl, few foss.ils almost probably a new pond on ctr.
ctc is inferred @ the pt by float.
→ oh yeah, pond is ctr; found more otcp up to the right.
35 52 04.6 ± 24
92 44 40.3

Location Date

Project / Client (FROM R. Hl.

Scale

407 ~~35~~ 52 45.9 ± 86'
92 42 10.5
M_B/M_m /

408 35 52 47.2 ± 17
92 42 14.6

409 35 53 41.5 ± 18
92 38 16.1
M_P | P_{CH}

410 35 53 4.2 ± 20'
92 38 23.8
M_{FV} / M_P

411 35 53 5.2 ± 55
92 38 22.2
M_{CV} / M_P

Location _____ Date _____

Project / Client _____

13
412 35 53 4.5 ± 20
92 38 27.8

highest M_{BV} / M_{FV}

14
413 35 52 57.9 ± 15
92 38 31.6

highest M_{BV}

15
414 35 52 51.1 ± 21
92 38 50.4

16 M_{BV} / M_{FV} covered

415 35 53 1.0 ± 15
92 38 46.1

NSE
N85E
N55E

good pts

M_{BV} / M_{FV}

416 35 53 10.7 ± 13
92 38 48.8

ripples

M_m / M_{BV}

Location _____ Date _____

Project / Client _____

Scale

18
417 35 52 45.9 ± 25
92 38 54.7

M_{FV} / M_P

19
418 35 52 44.3
92 38 52.9 ± 25

M_{FV} / M_P ??

20
419 35 52 40.9 ± 24
92 38 50.9

West Fork

M_P / P_{CH} 35 52 42.4 ± 22
92 38 50.9

East Fork

21
420 35 52 40.8 ± 17
92 38 45.8

M_P / P_{CH} higher up

→ to page 42

Location _____ Date _____

Project / Client _____

10.31.07

wpt 22
421 35 56 48.8 ± 25'
92 28 24.2
Long Creek / Big Creek

Op / Of on hillside.

Otc is inferred b/t two otcps. covered w/ MB rubble. (Clear cut hills)
Op from road bed is ≈ 15-20'
Of visible from otc is ≈ 15'.

wpt 23
422 35 56 49.0 ± 12'
92 28 21.8

Above Of ≈ 1" thick Mss!
then ≈ 1-2' of Mss exposed @ base of tree. MB rubble all around.
Mss is similar to Of but slightly more crinoidal and finer grained. ltgrey w/ pink blebs

Location _____ Date 10.31.07

Project / Client _____ Scale _____

422 cont'd
Mss! has iron-pyrite vugs, calcite veins and phosphate gr (vf-f sand size) mod well sorted + rounded.
Of is f-m ltl white-pinkish Low Abss. ls. (wackstone)

wpt 24
403 35 56 48.8 ± 10'
92 28 47.9

Weird deltaic. Dolomitic Sandst w/ small ~~tan~~ clay lenses/lams. calc. veins throughout mm-½" thick Should have found Osp. but this looks more like Oe.. Hard to break, very competent. beds otcp ≈ 4-5' thick; mod-thick beds. brown-tan on weathered, grey on fresh surfaces. -saw first bed, just below Op beds upstream (in mtb) above pond area (@ pt) ≈ 30-40yds back.

wpt 25
424 35 56 50.7 ± 15'
92 28 49.9

Hmm m...
Apparent Op (top) Of otcp above (from MM vantage pt, sitting on Op. Of is to the NE of (left)) too weird. Still no Osp above the dolo sands which still otcp in the ~~this~~ creek bed.

Location _____ Date 10.31.07

Project / Client _____

(424 cont'd) ok! only Osp around is first seen as float down by old barn, and wpt 26 some down str. in creek bed.
428 35 56 48.6 ± 22'
92 28 54.9
Defiant Osp lining creek bed, in place! yea!
very classic worm tubes, tan-buff on weathered, white-reddish brn stain on fresh.

*N55W 5°SW Near old barn. on NW hillslope Osp beds still otcp w/ slight dip. No Op otcp; but there is a spring/seep that is typical of this ctc.

Joints on well exposed surface show N80W ~~N55W~~ N55E N/S w/ deformation bands. (few) ad iron commonly filling the joints

Location _____ Date 10.31.07

Project / Client _____

Scale _____

wpt 27
420 35 56 45.5 ± 15'
92 29 9.8
Osp to creek level. Good cross-beds in upper part of bluff! massive below, some x-beds @ creek level weathered out to show thin bedding.
wpt 28
427 35 56 36.3 ± 14'
92 28 42.4
on road out (heading back to Fairview)
Op/Of in Road/roadcut.
wpt 29
428 35 57 19.4 ± 27'
92 28 8.4
top of Msj before MB! very thin bed (~3") exposed, surrounded by veg and MB regolith. f-mxtl, cmnsidal greenish shale partings pyrite replacements.
Msj/Of ctc
is ~10 yds down str.
wpt 30
429 Mar 25-ft no sand v.f.s. bed
35 57 22.6 ± 28'
92 28 5.1
Of bodies ~30-50' thick ("Of canyon")
pt marks top of Op ctc w/ Op

Location Cedar Creek trib Date 10.31.07

Project / Client

430 35 57 24.8 ± 29
92 28 4.4

Another Op/Of c/c. Op rose up from 429, but Of returns to creek lvl here... fault? or Undulation?

** also there is a nice sized (entrance ~20yds wide) cave (skull eyes). water is moving through from the depths! Appears to have 2 main joints (N80W+N40E) that form main passage of each eye.

good barrel crinoids in some Of downstr. from cave!

w/ some Msj-esq rock in the road above...

431 35 57 30.6 ± 48'
92 28 4.0

Of/Msj/No Mss† visible

Msj otcp along road and on hill below to Of in creek.

Msj otcp ~ 10-15' up from creek bed.

Location Date 10.31.07

Project / Client

Scale

pt 33
432 35 57 41.5 ± 27'
92 28 7.7
Monster Of ~ 30-40' thick all the way to creek bed here.

pt 34 pt marks Msj c/c
433 35 57 49.0 ± 36'
92 28 8.3
Of/Mss† @ road level s†, all the way to creek bed.
One kinds of rox exp in road

pt 35 looks like either... Mss† exposed
434 35 57 53.6 ± 33' in ~ 2-3' th.
92 28 6.2
top of Op,

joints @ crk lvl N85W N65E N25W
N45W

436
438 35 57 59.2 ± 19'
92 28 24.6
prob ably the house at the "dirt mill"; big dawn + pond @ trailer. house built on Qsp.
pt marks top bed of Qsp otcp on hill
N10W 45° E on Qsp

Location Rocky Creek Date 11.1.07

Project / Client

wpt 37

(436) 35 58 41.2 ± 16'
92 37 26.0

Osp / Op

Osp emerges in creek bed. was visible as float almost since the house. Climbs ~5' high on bank ~ 20 yds upstream

S+D's on Osp: N15°E 12° WNW

wpt 38

(437) 35 58 41.0 ± 17'
92 37 17.4

Op / Op

(~80 yds back)

Upstream; changed dip direction in Osp; looked like it was opposite but not quite: 45° WSW N30W
→ ctc w/ Op is ~1' above creek bed
~15' thick Osp at highest point (an Over hang on bluffs)

wpt 39

(438) Op / Of

Some Of has fine shale clasts and crinoids

35 58 30.0 ± 21'
92 37 00.3

in creek bed. * interesting black, pyritic (low) shale seen as float in few spots. also poss. Silurian rocks

? one float rox w/ Op/Of fuzzed ctc

Location Rocky Creek Date 11.1.07

Project / Client

Scale

wpt 40

(439) 35 58 27.5 ± 20'
92 36 35.3

Of / Msj no msst. Of is more foss., weathered blocky; poss Sil, but not distinguished enough to convince me. Msj is also very crumbly and grey; iron pyrit (trashy appearance)
Of is white w/ pinkish blebs throughout f-c xtl; crinoids and brachs abundant
exposure is ~10-15' thick from creek to Msj ctc.

Ctc disappears under the Mb in creek level near homestead

N20W 10° ESE dip on Of

(440) 35 58 10.9 ± 22'
92 36 47.8

Oh, prob risen back up some. we are at spring at Hooton house. Nice guy.

wpt 42

(441) 35 58 4.0 ± 18'
92 36 40.3

last Of up the drainage. Msj ctc is covered by veg and Mb rubble. Not much creek bed after this pt.

Location _____ Date 11.5.2007

Project / Client _____

wpt 43
442 35 58 16.9 ± 20'
92 36 52.0

Spring in Of. Msj above exposure is ~10' thick of Of then Msj.

11.5.2007

wpt 1
443 35 58 30.4 +
92 36 59.8 - 20'

we are now thinking that last weeks Of/Msj etc's are Sil/Msj

we found some new shales in the creek bed to suggest that the Of/Oc/Sil/Msj sequence is here.

- pt marks Sil/Msj

wpt 2
444 35 58 29.2 ± 13'
92 36 57.2

top of Oc; etc w/ Sil above "black pond". Sil is white w/ some red blobs (<5%), foss. (tiny brachs) ~20-25 yds up is the Sil/Msj etc
Oc ~ 4'th; Sil ~ 4'th
↳ dark, silty v thin beds, friable; Non class

Location _____ Date 11.5.2007

Project / Client _____

Scale _____

444 etc top of Of is ~ 15 yds down hill pt @ base of pond.

▲ of Oc for dest. New lithology!

11.4.2007

442 contd Back w/ A.C. thinking now that the base is Sil (maybe 2 dif lith) There is a small 4" bed of Mssl also.

so Sil/Mssl/Msj

Sil is coarse - med v/c prob Silcar grey w/ blebs and also whitish whitish & more v/c maybe St Clair Lab lith

wpt 3
445 35 58 29.3 ± 40'
92 38 4.9

Op/Of in Rock Creek Side Brook standing in creek.

Location Rocky Creek Area Date 11.5.07

Project / Client

wpt 4
(446) 35 58 16.3 ± 34'
92 37 58.8

point where Msi crosses the creek. There is a spring house and and old dig/mine in the bank. Msi has tons of pyrite and phos pebs and is shaley (@base) pinkish green-grey in color. Saw the float in the creek. Way cool!

~6-8' msi then Mb

Old map had Sil and Oc down here but we didn't see any evidence of such ctcs...

["clay, slight grit." AC]

wpt 5
(447) 35 58 20.7 ± 13'
92 38 11.0

top of Msi on hillside. Grey w/ red blebs (looks like Sl except for thin beds!).

Mss / Mb

Location Rock Creek Date 11.5.07

Project / Client

Scale

(448) 35 58 23.0 ± 34'
92 38 11.9

Of / Msi / Mb no Mss+

about 25-30' up from creek
Still no Oc or Sil at this otcp

wpt 7
(449) 35 58 24.7 ± 22'
92 38 11.8

CAVE in Of! ~12-15' of Of to top of Msi. Big room as reported by RH. "No shale"

There is ~3-4' of poss. Oc (in roadcut) above the Of; b/t Msi. is dark in fresh faces w/ tan-buff. Very weathered.

wpt 8
(450) 35 58 28.3 ± 21'
92 38 6.9

Sink Hole, cave ~15' deep @ steepest edge

11.6.2007

wpt 9
(451) 35 53 30.1 ± 20
92 39 32.6

trib to Forest Creek Mb otcr near bridge road cut; lining creek bed

joints N45E N15W

Location _____ Date 11.6.07

Project / Client _____

wpt

(452) 35 53 26.5 +- 20'
92 39 29.6

Dip and abundant fracturing in M_B

11 N65E 9°SSE

(453) 35 53 26.4 ± 15
92 39 10.8

M_B / M_m ←to here

M_B lines creek bed; lt grey f-m xtl

M_m is silty sh, tan-buff. ~10-15' m

(454) 35 53 22.6 ± 15'
92 39 6.6

M_B / M_m in creek bed!

M_m shale is silty tan-brown in weathered; dark black-brown in fresh

13 ½in. beds/clays

(455) 35 53 19.5 ± 15
92 39 3.9

pt marla probable M_m / M_{Bv} (dk brn)

2-3' shale w/ ~2-3' silty sh (slight grey) then good Bates w/ ss above (buff color)

looking to find any good limst to show base of M_{Bv}. limst seen as float

Location _____ Date 11.6.07

Project / Client _____

Scale

14 (456) 35 53 14.2
92 39 1.8 ± 20'

apparent top of M_{Bv} ctc w/ M_{Bv} flat surface, end of M_{Bv} float.

15 (457) 35 53 20.0 ± 19'
92 38 57.7

N10°W

M_m / M_{Bv} N4°E 3.5°NW - 5°W

some float down the slope. ↓ of M_m on ↓ M_{Bv}

16 (458) 35 53 3.2 ± 19' ←seems erroneous?
92 38 43.3

top of M_{Bv}. Dark soil (prob M_m) above.

Some calc fills/veins visible in M_{Bv}!

17 (459) 35 53 5.5 ± 23'
92 38 39.5

pt marla adj to where R.H. sees last M_{Bv} in creek trib

18 (460) 35 52 50.3 ± 24'
92 38 55.3

top of M_B ctc w/ M_B

19 (461) 35 52 52.6 ± 25'
92 38 56.6

base of M_B starting to show ev. of landslide; approaching theoretical fault. hoping to see offset

Location _____ Date 11.06.07

Project / Client _____

20

(462) 35 52 56.3 ± 20'
92 38 59.9
base of M_p ! prob lower than earlier c across Fault?
gfoss; petrolif; grey-dark grey; med-thick beds. 15-20' visibly exposed.

21

(463) 35 53 00.4 ± 30'
92 39 3.4

top of M_F / base of M_p
more cherts (black, petrolif) @ ctc. actual bioclastic M_p is ~20' up. b/t there is Chorty, vf-fgr lmst low foss

22 so... transition area?

(464) 35 53 00.7 ± 28'
92 39 4.6

base of bioclastic M_p
heavy pl.

(465) 35 53 5.2 ± 27'
92 39 6.8

M_p bioclastic ~~bp~~ base
M_{FV} / M_p

Location _____ Date 11.06.07

Project / Client _____

Scale

(466) 35 53 8.2 ± 26'
92 39 8.1

M_{FV} / M_p M_p is banded bioclastic massive lt grey

25

(467) 35 53 16.9 ± 25'
92 39 19.8
M_{FV} is still vfgr thin beds
probable base of M_p. grey, foss. lmst (bioclast)
Very steep on down. R.H. repeats Some chert beds. steep slope w/no ctcp. very overgrown.

26

(468) 35 53 9.3 ± 17'
92 39 23.4
top of M_{FV} / base of M_p
pt is taken @ top of road. M_{FV} ctop in road w/micritic, vfgr lmst that; M_p bioclastic rxs floating above it

27

(469) 35 53 6.7 ± 19'
92 39 29.5
base of micritic rox in M_{FV} still on old road.

Location _____ Date _____

Project / Client _____

28
Pt 470 35 52 55.2 ± 22'
92 39 21.8
top of M_{Pv} / base of M_p
vf-fgr oolitic vfg-fg
xtl ls lmst, fossilif
grey

29
Pt 471 35 53 8.1 ± 20'
92 39 41.9
top of M_{Bv} / dk grey vfgr calc snd
well sort
Joints N85E N45E N/S

30
11.7.07
Pt 472 35 52 53.5 ± 21'
92 36 2.9
N45E 55E on Batesville
N50E N78W N/S

Pt marks probable top of M_{Bv}.
there is a shale bank ~ 5' th
just upstream. M_{Bv} stops @ this
pt. vfgr grey calc sndy lmst, lmy snd

Location _____ Date _____

Project / Client 35 52 52.5 ± 19'
92 36 10.3

Scale

31
Pt 473 M_{Bv} stops in hills forward
Hwy 65; old barns + ponds
in M_{Bv}. M_p is visible through
the trees on westerly bluff above
Hwy. Grapevine Road

32
Pt 474 35 52 1.6 ± 17'
92 35 47.5
M_{Bv} in ditch below culvert
(Ice plant Rd, Leslie quad).
limy snd-sndy lime. grey on
fresh, tan-buff on weathered.
weathering is castle rock style
at least. Cool =

33
Pt 475 35 52 1.4 ± 17'
92 35 52.1
M_{Bv} in creek. Not 40 yds from
Pt 474... cFault?

JOINTS: N65E N15W
N40E N40W
N15W 2.8° WSW N70W

34
Pt 476 35 52 2.8 ± 20'
92 35 52.3
Black friable sh w/ concretion
M_{Bv} w/ defo mottled bands

60

Location _____ Date 11.7.07

Project / Client _____

TRACE Creek

477 35 53 6.5 ± 17'
92 36 3.9

M_{FV} in creek bed below. Black thinbed friable sh.

36
478 35 54 56.7 ± 15'
92 35 57.1

M_{BV}/M_F on Hwy 74 toward BAKER

grey-buff limy snst — black friable thinbed sh.

M_{BV} in creek below. Would probably have to dig some, but it's not apparent...

★ interbedded lust/mudst ~3-4-ft beds (unit ~10-15 ft) w/ the M_{BV}!

37
479 35 53 50.8 ± 19'
92 35 32.4

Bro. Gary's Spread.

pt marks M_{BV}/M_{FV} c/c
step in ditch on field road

• photos by A.C. of great, big sectarian concretions!

61

Location Stephenson Mt. Date 11.7.07

Project / Client _____ Scale _____

38
480 35 53 40.5 ± 25'
92 35 41.3

M_{FV}/M_P last bed of M_{FV} visible; elevation change (small dip) then M_P abundant as float on hillside. nice dark grey finegr foss lmst. also lt grey oolitic foss lmst. small patches of M_P near fence line

39
481 35 53 43.2 ± 25'
92 35 55.3

★Aside: red, tan brown limonitic (iron stained) zone w/ black M_{FV}. Some 1/4-1/2" thick calcite pieces were also found. Most is cracked at float on the ground surface (samples taken)

This Brother Gary Spread also had giant sect. concr. in lower M_{FV} w/ great siderite forming the boxwork. lots of limonitic hillbilly bricks!

40
482 35 53 17.1 ± 18'
92 35 18.5

M_P/P_{CH} dark reddish brown shaly soil taken to be the top of M_P. P_{CH} float all around

↓ snst

Location CEDAR CREEK Date 11.8.07

Project / Client

41

483 35 57 51.5 ± 26'
92 27 7.6
Oe/Osp w/ some def bands
JOINTS:
S+ N75E 5° NNE
(in creek bed)
Oe is brecciated w/ dolomitic veins/vugs surrounding breccia! WAY COOL! exposed ~ 30'+/- yds
484 35 57 50.7 upstream from Osp
92 27 6.2 ± 15'
↳ where Oe stops.
• photo by A.C. Oe has mottled grey-brown (tan) in fresh
▲ smpl of sndy dolostone breccia w/chert pebels
42
485 35 57 54.7 ± 20' N30W
92 27 13.0 16°SW
more Oe stop in creek bed dipping the other way (opposite of 483)
good def bands and ~~dolo~~ filled veins running through ~~stop~~ exposure.
* in sight of large 50-60' bluff on N side!
↳ smaller brecciated area

Location CEDAR CREEK Date 11.8.07

Project / Client

Scale

44

486 35 57 56.1
92 27 12.6 ± 14'
Fault area ▲ slickenslides found on a float block.
pt marks Oe/Osp on down thrown side.
Osp is white quartzite
Oe N/S 15E, breccia + cherty below fc.
45
Fault runs ~N/S (N10W)
487 35 57 58.2
92 27 10.5 ± 20'
Dips change direction
to East: N20W 8°WSW
to West: N20W 70 ENE
46
488 35 58 00.0
92 27 8.7 ± 20'
Cave @ Op/Of etc ~~sandstone~~ + conglom float
47
489 35 57 57.6 ± 15'
92 27 7.0
Second fault of the day (Osp adj to here see pt 490)
pt=Oe w/ 21°SW dip N80W
New road above

Location CEDAR CREEK Date 11.8.07

Project / Client

48

1 (490) 35 57 57.2 ± 25'
92 27 5.9

O_{SB} abundant def bands

49 (491) 35 58 00.6 ± 22'
92 27 3.2

O_{SB}/O_p ctc in drainage

50 (492) 35 58 3.6 ± 19'
92 27 1.1

O_p/O_f in drainage

– O_f is just a few exposed bands

51 M_B starting to come down!
(493) 35 58 5.4 ± 19'
92 27 00.5

O_S/M_{ST} ctc; Great Otcp of M_{SS} ~5-8' thick to right in M_B! esp @ M_B ctc

11.12.07

wet 7
(494) 35 52 59.6 ± 20 M_{BV}/M_{FV}
92 43 13.4

Location Date 11.12.07 65
Hot! 70°

Project / Client

Scale

2 (495) 35 52 42.7 ± 20' M_B/M_m
92 43 43.4

(496) 35 52 44.5 ± 16' M_m/M_{BV}
92 43 41.3

4 (497) 35 53 11.5 ± 32'
92 43 56.3
Mudy, limy M_{BV}; Spring below is probably @ M_m ctc; was shaly there but ctc/Otcp was covered; upper portions toward toe spring are sandy.
Joints N45E, N5W, N50E

5 (498) 35 53 19.3 ± 23'
92 44 3.3
no more M_{BV} in place bc float starting to see Path float
Some shaly banks

6 (499) 35 53 13.3 ± 24' Otcp ~20' th
92 44 22.5
M_{FV}/M_p standing on 1st Cgr bed above last muck face

Location
Date 11.12.07
Project / Client

499 contd — S + D's N5W 10-15° W
100ks ~6°

7 → 500
35 53 25.5
92 44 14.2 ± 30'

• MFv / Mp
↳ shale → chert → GREATNESS (massive) foss, archem f-m xtl elmst

gorgeous fall color up here!

8 → 501
35 53 31.1 ± 22'
92 43 47.4

large travertine flowstone (~10-15' th) @ MFv / Mp ctc and wide
ceader growing a top it, beautiful yellow maple adj

MFv is cherty, Mp is thinner beded, but coarser grained, darker bio clastic
→ however there is no water flowing off of it. seasonal? historic??

Location
Date 11.12.07
Project / Client
Scale

9 → 502
35 53 00.4
92 43 57.4 ± 24
~~top of Mbv; ctc w/ MFv~~
actually ctc is closer to the barn.

11.13.07

503
35 59 6.7 ± 17'
92 40 34.7

pt makes over hang where Osp / Op ctc is exposed.
~3-4' of Osp, then transitional (~2' thick) calc limy sndst, laminated, then Op exposed + the top

Osp = well sorted grey (weath) - white (fresh) friable sndst

Op = grey micritic lmst ~~≥5~~ 10' th

trans: grey (weath) - tan (buff) (fresh), poorly sorted laminated lime-sds - sndsts. (moderate fizz)

Location Bowers Field Date 11.13.07

Project / Client

11

504 35 59 9.0 ± 18'
92 40 23.8
Qsp/Op in drainage

12

508 35 59 9.2 ± 17'
92 40 9.8
Op/Of/Msj inferred; first bed of Of in place
- Of is whitish fgr-mgr low foss. Of float was visible a short distance downstr, etc is covered; ~ 5-10' to Msj
Foss Ok → becomes more classick m-cgr pink Of upstr.
* possible Sil rocks (Bracps) (~1-4in) below Msj. Very foss, looks like on Tim Hortons place in Rocky Creek.

13

Msj is red, muddy crinoidal
506 35 59 9.6 ± 34'
92 40 5.3
first Mb bed exposed.

Location Date 11.13.07

Project / Client

Scale

14

507 35 59 10.0
92 40 10.2 ± 22'
had
most (ground) base of Msj reddish Of (unchar) then a classic Of (whitish) w/ reddish mgr almost w/ abundant phos pebs @ this point.
Msj changes from reddish mgr - coarse gr, greyish white w/ greenish shaly partings, more crinoids @ etc w/ Mb. Mb had good chert bed @ etc.
Msj ~ 10' to Mb etc in drainage.

15

509 35 59 7.1
92 40 15.5 ± 9'
pt makes cross where Ok type rx of Op on west side ~5-8' up from creek. grey, massive - crumbly vfgr to slight muddy almost w/ few foss
weathered surface is round + moss covered like Of, but grey vfgr + muddy like Op...
→ Op inferred if Op up to the point

Location Bowers field / Brush Crk Date 11.13.07

Project / Client

16

(509) 35 59 5.8 ± 18'
92 40 26.3

Op / Ok / Of ctc

Op: dark gray micritic thin beds
Ok: whitish gray massive vfgr
Of: m-cgr friable massive whitish pink

17

(510) 35 59 12.2 ± 22
92 40 28.7

top of Osp, then Op

18

(511) 35 58 51.0 ± 33' dwn str dip
92 39 56.9 3°W N/S strike

Boat-load of Op. eating lunch here. May have been a dip change back down stream will have to recheck on way out. No Of otcp visible ever on hillslopes. No Of float!

19

(512) 35 58 58.9 ± 35' (Of ≈ 4' above the Ok)
92 39 44.8

Op / Ok ctc, first beds of sugary fgr gray lmst. mark the ctc. blocky weath.

Location Date 11.13.07

Project / Client Scale

20

(513) 35 58 55.9 ± 40'
92 39 40.3

Of / Msj ; Msj otcp from creek bed here. good ~8' before covered by MB.

21

(514) 35 59 1.5 ± 25'
92 39 37.5

Msj dig. probably lower msj, but ctc w/ creek ≈ 30 yds back downstr. had mod. Mg content

22

MB ≈ 10' above.

(515) 35 58 40.2 ± 26' 652' elev
92 40 32.9

Osp / Op ctc ≈ 8-12' up from creek.

Osp is slightly greenish.

23

(516) 35 58 42.7 ± 18' 707' elev
92 41 00.0

Op / Ok / Of Ok is ≈ 1-2' thick then Of.

creek ≈ 3-4' up from creek

Location Bee Branch Beech Crk Date 11.13.07

Project / Client

24

517 35 58 39.3 ± 30' 687 elev
92 41 00.3

MSJ o/cp, taken to be above Ok/Of, but ctc is covered here. Nice ~8-12' MSJ o/cp

MSJ is lt gray w/ greenish shaly matrix; dk reddish particles are absent

25

518 35 58 06.5 ± 20' 689 elev
92 40 55.5

Ob/Of NO Ok @ creek bed

26

519 35 58 30.9 ± 32' 696 elev
92 40 56.8

MSJ in the creek bed; ctc (w/ poss s/l) is ~20-25 yds back

TOP ~ 20 yds up

11.14.07

520 35 59 24.1 ± 17' 980 elev
92 37 27.5

Large field @ Treats in valley. ~~Only~~ Of float @ this pt is Only rock around.

Location Little Rocky Creek Date 11.14.07

Project / Client

Scale

520 cont'd

top of Of was noticed ~ 15-20 up from pt loc. dig at pits ~30' up only have Bdome but were prob @ MSJ o/cp's... there are pits on both hills adj to pt.

521 35 59 27.5 92 37 27.2 ± 27'
'Sink hole' in MB.

RH.

28

522 35 59 33.2 ± 18' 858 elev
92 37 36.2

First Ob float noticed along road adj to creek. No o/cp. No ctc

29

523 35 59 38.2 ± 21' ~~980 elev~~ 866 ± 16.7'
92 37 46.7

Likely top of O_{sp}. Just above last O_b float.

30

524 35 59 36.4 ± 19' 729 elev
92 37 57.0

Best O_{sp} / O_p Springs yet!

pits right @ ctc. Pipes coming out from captive ponds all over the valley. Hummer jet pump really going. So beautiful!

Location LITTLE ROCK CREEK Date 11.14.07

Project / Client

3L

525 35 59 34.3 ± 21' 905 elev
92 37 57.1

O_p / O_f; covered otc, but O_f suddenly atop big; ~12-15'

3L

529 35 59 35.0 ± 33' 942 elev
92 38 0.2

O_f appeared to stop @ road, so thickness from @ 525 is ~15-20'

Sil rox up from there look to be some Brassfield w/ Laferty atop total thickness ~30-40'.

~~Mg covers the top; no otc w/ MSJ.~~ Found the MSJ just upstr on the same bottom line.

pt marks top of Sil otc w/ MSJ

MSJ is lt gray crinoidal. some pink blobs

527 35 59 24.2 ± 18' 905 elev
92 38 8.8

top of MSJ otc w/ Majr ch in Mg.

Location Date

Project / Client

Scale

3L

528 35 59 24.2 ± 25' 895 elev
92 38 00.1

last MSJ exposed on hillside looks like Sil below across the drainage. MSJ is lt gray crinoidal

(found top on this side of drainage ~5-10' below the MSJ point. dk gray Mg rubbleabs.

still Sil rox down to creek bed. looks like there are vfgr + Mgr interbeds is it Laferty or Brassf?

528A At the fork (confluence) there is a bed of white m-cgr dust nonfoss... St Clair ? or Fernv?

has turned colder (~60°) wet/moist

is med-thin bedded...

35

529 35 59 28.6 ± 22' 846 elev
92 37 57.9

top of O_p. O_f / Brassfield above

the O_f/Sil section was ~15' thick to the point where whitish (@ confl) stopped and a f-mgr xtl pinkish lithology began. (w/ calc vugs + shaledasts)

Location _____ Date 11.14.07

Project / Client _____

34

530 35 59 38.6 ± 30' 854 elev
92 37 54.1

Oe/Osp ctc @ old sluice. (cool motors home made)
possibly Mn operation, dark dirt piles all below
Oe is sandy dolostone, thin beds @ ctc
Beautiful ctops. bluffs down creek are ~20-30' tall. good stress fractures in osp. moss covered. ctc is undulatory

Low Batt
531 no sats. ~100yds from 530 (~150)
tremendous dip change. flat @ last point. ~8° NNE here
N75E
~~RH 100k pt~~ gave up!

stress fractures in Osp
~80°-20°? 60° 30°

Location _____ Date 11.14.07

Project / Client _____

Scale _____

37

531 35 59 57.5
92 37 59.7 ± 35' 796 elev
Oe/Osp w/ waterfall.
Nice. has plunged back close to creek level. there is ~8-10' of Oe before Osp ctc.
Great overhangs

36

532 35 00 00.8 ± 25' 796 elev
92 37 51.3
Oe/Osp w/ noticeable dip
N45E 10°NW

35

533 35 59 55.7 ± 18' elev = 841'
92 37 38.8
Hemmed in near top of Osp
Likely Oe down below (~30' down)
old home just beyond

NW

534 35 59 50.3 ± 21' 828 elev
92 37 36.3
Osp/Op covered ctc. point taken just below spring
big confield all around. old workshop and pond.

Location _____ Date _____

Project / Client _____

41

535 35.59 38.2 ± 25' elev 904
92 37 18.9
Qe / Qf ; Qf is a little more yellowish here than usual.
- grey Sil-type rox ave ~ 80 yds up the road

42

536 35 59 22.6 ± 30' elev 917
92 37 23.5
top of MSJ, dig out, Mg rich
back @ Treat Horse

43

537 35 59 14.5 ± 19' elev 959
92 37 23.8
Largest Mg mine in Searcy Co,
spoke w/ Glenn Treat. about
operations that took place in the
1940's + 50's

11.26.07 Cloudy 42° light wind

538 35 57 20.7 ± 14' 553 elev
92 42 21.6
Qf / Sil ctc ~ 15-20' up from creek bed

classic Qf
lt grey-pinkish cr'noidal v fgr massive Sil

Location Byrd Hollow Date 11.26.07

Project / Client _____

Scale _____

538 cont'd Sil shows poss Brps ~~but not clear~~ w/ Not Lafet
Lafetty ~ 15-18' thick to ctc
w/ MSJ - Rox below Lafetty are
pink (wf calc veins) to white wf
pink blobs.

2

539 35 57 22.8 ± 32' 625 elev
92 42 18.5
Sil / MSJ / MB MSJ is 5-8' thk
to ctct w/ MB.

@ photo of Sil Brcc / Sil Laf ctc

Sil Laf is ~ 10' thick to MSJ

540 35 57 23.0
92 42 21.8 ± 20'
top of MSJ on hillside above
where Qf dips @ bend.

541 35 57 6.4
92 42 15.8 ± 24' 644 elev.
Sil Brcc @ creek level w/ MSJ
filled joints. Sil Laf is ~ 15-18'
Cool conical mound in background!

Location Byrd Hollow Date 11.26.07

Project / Client

(542) 35 57 1.9
92 41 56.4 ± 19'

Sil Brassfield lining creek bed
Msnd filling fractures!

(543) 35 57 5.4
92 41 53.7 ± 22' 675 elev

▲ Sil Bras / Msnd / Msj

Sil LAF is pinched out — silty snd to snd; phos ~4" — lt grey first few inches, dark red ~5-8' showing, covered @ M_B etc

(544) 35 57 2.0
92 41 57.5 ± 29'

• WOW! Great Otcp! Sil Bras / Msnd / Msj — silty snd sndst
Msj ~12-15' thick
Msst is ~1' thick — some clay
Starts @ creek bed
dip on Msj is 3E but looks ~5° N25E

Location BEAR Creek Date 11.27.07

Project / Client 30° clear Foggy - lifting Beautiful Scale

(545) 35 58 20.4
92 41 58.3 ± 19'

pt marks top of Op. Possible
OK bed (coarser ... gray ~4-5' th)
before classic O_F beds
dip on Op below was N75E 20° NNW

(546) 35 58 20.6 ± 33 712 elev
92 41 57.5
Covered etc. O_F below Sil Bras above

(547) 35 58 21.6 ± 7' elev 772
92 41 56.9

standing in middle / top of Msj.
Covered etc w/ M_B and S.7
below. Saw a small (~2' th) bed
of poss Sil on the way
up from O_F / Brassf. etc.

(548) 35 58 21.2 ± 20' 763 elev
92 41 39.3
last Otcp of Msj. Laferty (~1-2') and
Brassfield below

▲ laferty sample is more xtl than yesterday but still grey w/ pinkish blebs

Msj otcp as med beds (knobs) on
hillside / drainage. No Msst apparent
only thin shale
partings

Location ______ Date 11.27.07

Project / Client ______

(548 contd) small spring @ base of
▲ Otcp comes out @ top of
Oc ! cool ! so ~10-12' of
Sil before Msj
(grey to tan cason) → about 4' visible

12

(549) 35 58 21.4
92 41 45.5 ± 22' elev 747
top of Sil ctc w/ Msj
▲ Msj is coarser xtl w/ brachs, but
still very pyritic & crinoidal

13

(550) 35 58 24.5
92 41 44.6 ± 16' 658 elev
▲ possible O_F, but slightly coarser
~~grained~~ (m-c xtl). possible brachs /
crystaline crinoid.
Sil above covered ctc. sample
taken from 1' exposure
a creek level.

(551) 35 58 27.6
92 41 43.7 ± 20' elev = 710
Sil / Msj exposure is ~ 3' thick
total. covered in spots
by veg

Location ______ Date 11.27.07

Project / Client ______

Scale ______

15

(552) 35 58 28.1
92 41 40.2 ± 30' 724 elev
probable top of Msj in creek
M_B above covered ctc
▲ Msj is grey - tan some crinoids
exposure is only 6-12" thick

16

(553) 35 58 28.7
92 41 51.3 ± 31 703 elev
Sil / Msj
St/D on Msj
N70E 9° NNW

17

(554) 35 58 32.6
92 41 56.9 ± 22' 785 elev
top of Msj on "the nose", can
also see a 4' step on the other
side of the fork.

18

(555) 35 58 39.5
92 41 43.6 ± 22' 801 elev
Sil / Msj ~ 2' exposure of Msj

19

(556) 35 58 38.6
92 41 42.3 ± 19' 742
Msj top

20

(557) 35 58 43.4
92 41 46.2 ± 19'
top of Msj ctc w/ M_B

Location _____ Date 11.27.07

Project / Client _____

24

558 35 58 45.7 ± 30'
92 41 41.3
Silt / M_{SJ} / M_B no MSst Spring @ dtc. Cone dry.
↳ high Manganese content
25 M_B is right on top. M_{SJ} ~ 1-2' Th

559 35 58 54.2 ± ~~10~~ 18'
92 41 45.2
M_{SJ}. high Mn. Otop is ~45 ~~ft~~ Th covered dtc in ~~Qp~~ creek w/ M_{SJ} and Sil below. in fact, there is only an Of otop in creek ~ 10-15 yds
26 below...

560 looks like Of / M_{SJ} / M_B
35 58 57.9 ± 19'
92 41 57.1
whoa. M_{SJ} dtc w/ Of is correct. seems like we jumped up some in elev (undulations?) M_{SJ} exposure / otop is ~5' thick
N10E 3°E

Location _____ Date 11.27.07

Project / Client _____ Scale _____

561 35 58 57.7 ± 19
92 41 54.5 on hill side above drainage ~40' up
Qp / Of @ dtc
N45E 3°SE ??? weird area
Joints → N20W
E/W
24

562 35 58 56.5 ± 26'
92 41 58.8
dig out. has sandy, dolomitic sands and dolomite veins / vugs w/ sandy dolostone above.
probably a Qsp / Qf / Qp dtc
and sample shows Qsp w/ dolomite vugs

563 35 58 57.5 ± 12' elev 700
92 41 58.8
OK, so upon further evidence... no Qsp, only Qe / Qp @ the pt. all 562 was probably Qe. good dtc + otcp @ pt. exposure ~ 10-15 yds
27 N40W 50°NE can hear bear below
564 can almost see the folds.
35 59 00.1 ± 31'
92 42 3.3
Qe / Qp 99 dtc

Location ______ Date ______

Project / Client ______

29

(565) 35 59 2.1
92 42 6.4 ± 26
probably w/i 10' of ctc w/
Op. standing in Oe

28

| 11.28.07 |

(566) 35 59 7.6 ± 28' 673 elev
92 42 22.5

Found Osp ledge in ctc w/ Op above ~~Crane~~ Bottom. assume there is some Oe above.
Plan is to follow Osp around to where we assume it stops and there is Oe/Op like we saw yesterday...

Some interbeded dolomitic snds (dame) near the top... but looks just like osp; worm tubes

30

N10E 5°W

(567) 35 59 6.5 ± 22' & 741 elev
92 42 17.9

25-30' of Osp b/t Oe (grey-brn sandy dolost) to Op ; pt @ Osp/Oe ctc

Location ______ Date 11.28.07

Project / Client ______

Scale ______

31

(568) 35 59 6.3 ± 26'
92 42 15.9

Some rounded bluffs below Op are dolomite snds, brown-grey on fresh. not very Osp-like at all
There is also a brecchiated area adj. to twpoint. very dolo sndy / sndy dolo enclosed w/ plattin-esque mah-ito. flat Op beds above.

32

(569) 35 59 6.8 ± 18
92 42 16.4
on bluff Op / Of ctc

33

(570) ~20' of Of to Msj (dark red s/shly)
35 59 32.5 ± 37'
92 41 55.4
Oe / Of

34

(571) 35 59 32.1 ± 32' 763 elev
92 41 52.7
Msj / Mb

(572) 35 59 28.3 ± 25'
92 41 51.1 lots of veg & neg. dugh to est thickness of [illegible]
Mss4 / Mb (2/15-ft) poss. St Clair below
white m-c xtl foss lmst
small shale b/t No Oe

Location ____ Date ____

Project / Client ____

36

(573) 35 59 27.7
92 41 57.6 ± 22'

pt marks area where reentrant (clay soils) are below Sil-type rocks (prob St clair - laf). Msst / Msj ctc is above)

represents: Msj - ~15-20' as previous
Msst - 1-2'
Sil - 2-3' (white foss (brachs) - grey redblob fm?)
Oc - 2-3'

Could be some StC. and some laff above.
Some rox taken to be Of below were similar, white foss mxtd.

* look like Laferty (w/ brachs)

37

(574) 35 59 26.2 ± 34'
92 42 25.1

top of Sil (St Clair) w/ Msst
Msj and MB above

MB
Msj - 8' w/ shale w/i
Msst - 4-6" th
St clair

Location ____ Date ____

Project / Client ____

____ Scale

(575) 35 59 29.3 ± 33'
92 42 28.0
Msj / MB

(576) 35 59 23.8
92 42 34.9 ± 34'
pt marks area where Of / Sil ctc is covered by ~ 20-25' of black soils and veg. Standing ~10' above def Of ledgy otcp.
Sil exposure is ~ 10-15' thick

40

| 11.29.07 |

(577) 35 58 55.4 ± 33' 362 elev
92 43 12.5
Msj / MB in creek below
Zodiac Dr. New Ozark Highlands trail ext.
MB is mostly covered from house.
Msj otcp ~ 8-10' in creek ~ 70 yds below point

Location ______ Date 11.29.07

Project / Client ______

(578) 35 58 57.7 ± 20'
92 43 12.8
Msj / Sil   Sil is 1-2' of Laf
w/ Brassfield below
total Msj thickness ≈ 15' from
top pt to here.
Laf is vf xtl - ~~fxt~~ c, grey matrix
to whitish, pink blebs. some iron
Brassfield is darker red w/ white
calcite vugs

(579) 35 59 00.1 ± 24'
92 43 12.0
pt marks area where a Of-type rx
is visible in creek bed. no good
otcp to say for sure. too much veg
there is a good exposure of
the Msj / Sil ~ 10-15' thick
just above the point w/ black
soil bank to creek level. Big
tree covers the creek bed

(580) 35 59 00.1 ± 25
92 43 30.4
Msj / MB
Sample of Msj w/ Lafertinian qualities

Location ______ Date 11.29.07

Project / Client ______ Scale ______

(580 cont'd)
Msj likely follows to the
buffalo where Of is present on
banks. looks like rx dip
toward river, but readings are
only 1°.

N45E N30W
Joints on Msj

(581) 35 59 4.5 ± 40'
92 42 59.5
pt marks Bluff where Of / Oc / Sil
is visible (also Msj / MB above)
~ 15-20' Of
~ 4' Oc (reentrant, greenish-buff weath, phosph.
grey, black ~~Ash~~)
~ 25-30 Sil some resistive veins, poss
sand filled
~ 8-10 Msj

(582) 35 59 1.0 ± 28'
92 43 2.5 (≈ 2')
Of / Sil small reentrant b/t

(583) 35 59 1.5 ± 28
92 43 2.5
Sil / Msj / MB
4.5 ft
@ pt ≈ 4-5' above SJ base

Location _____ Date 11.29.07

Project / Client _____

584 35 58 59.1
92 43 00.4 ± 38
Sil/Msf/Msj w/ shaly recentrat c/t Msf + Msj

585 35 58 58.3 ± 50
92 42 57.6
Msj/MB in creek

12.3.07

586 35 57 43.6 ± 27'
92 42 48.0
Op/Of c/t ~15' above creek

587 35° 57 35.4 ± 22'
92 41 48.0
pt marks change from classic Of (f-m x-l pinky) to m-c x-l, grey fox. possibly of Sil but not specific to any form... ?

588 35 57 32.4 ± 22'
92 41 38.8
Sil (prob. brass to c/t) / Msj covered c/c. Msf ~5-8' thk to MB

Location _____ Date 12.3.07

Project / Client _____ Scale

589 35 57 36.8
92 41 44.5 ± 20'
Msj/MB

590 35 57 37.7 ± 25'
92 41 35.0
walked to the top of the drainage no ofcps all the way. pt marks only small s.1 float?
MBotcp. probably the bottom

591 35 57 40.6
92 41 43.4
small Msj exposure on hillslope unusually micritic - v fgr. few crinoids
MB above but covered c/c

592 35 57 43.9
92 41 40.1 ± 17'
Msj exposures, colluvium covered c/c / MB + veg (downed trees)

593 35 57 55.3 ± 20'
92 41 42.4
top of Msf. covered c/c of MB. large talus, probable spring.
S.1 just below ~15-20'

594 35 57 55.2
92 41 49.6 ± 15
probable top of Op. some float in creek below. c/c covered

Location _____ Date 12.3.07

Project / Client _____

595 35 57 55.5 ± 18
92 41 51.1

Op/Of. Covered but each in vacinity

596 35 57 52.7 ± 20
92 41 59.0

Of ; just above ctc w/ Op (~5-8")
4/three

total thickness is ~10-15" (maybe 20)

thick to ctc w/ Sil

Sil has blocky weathering, more cracks and silty low (total th ~25-30")

ctc w/ MSJ is just above

total thickness ~10" thu.

So

MSJ
Sil
Of
Op

Location _____ Date 12.3.07

Project / Client _____

Scale _____

597 35 57 44.7 ± 38
92 41 55.2

top of MSJ ctc w/ MO

12.4.07

598 35 58 49.3 ± 26
92 38 17.7

Walked down drainage from gate on Justice Road. MB + Leaves covered all ctcs along two way. Point marks only visible exposure of Of (~1" thick on bank of drainage)

599 35 58 47.3 ± 20
92 38 21.9

Op/Of crossing the drainage covered ctc, but v.s.ble on hill side adj. No Sil b/t Of and MSJ ctc. ~20' up from pt.

Of ~20-25' thick to MSJ

Str/dip on Op is N30E, 4° ESE

600 38 58 46.7 ± 15
92 38 32.5

Osp/Op w/ water fall below. No ca covered ctc. interp by topo. flat area marks top of Oca

Location Rocky Creek Date 12.4.07

Project / Client

601
35 58 46.5
92 38 35.9 ± 22'

Op / Of on hill side

ctc crosses creek just above (~10 yds) where old road comes (on map) down to spring works area

602
35 58 40.9 ± 22' 684 elev
92 38 39.5

Op / Of crossing drainage

603
35 58 39.9 ± 12'
92 38 44.3

Standing on old road ~ 10 yds from bluff where Sil_B / M_{SJ} otcps. bluff is ~ 15-20' high (~8 Sil, 10-12' M_{SJ}) top of M_{SJ} is covered w/ M_B [Of] Sil was not noticed covered in creek

↳ much resembles springs @ M_{SJ} / Sil ctc on Zeb Horton's land

small ~2' reent rant below no visible Of

Location Marshall Q Date 12.4.07

Project / Client Rocky Creek

Scale

603 cont'd
M_{SJ} is present ~6-10'
Sil thickness est ~15 ft. today

604
35 58 36.6 ± 24'
92 38 47.7

Spring loc. coming just above base of M_{SJ}. ~10 gal/min

605
35 58 35.9 ± 21'
92 38 46.8

top of M_{SJ} ctc w/ M_B

606
35 58 46.7 ± 26'
92 38 37.2

M_{SJ} / M_B crossing old road. ledge about 10' down

607
35 58 56.4 ± 27'
92 38 36.1

pt in Of, can't really tell where ctc w/ Sil or M_{SJ} is

There is an old road ~4' up from point possibly on ctc.

608
35 58 58.0 ± 24'
92 38 35.8

Op / Of : Of exposed as float and as small 1-2 ft otcps

Location Rocky Creek MO Date 12.4.07

Project / Client

(609) 35 59 5.8 ± 41'
92 38 32.6

Osp / Op up Gold Mine Hollow; good
Op otcps ~ 20-25' up on banks.

(610) 35 59 6.6 ± 38'
92 38 23.9

Op / Of in side drainage to GMH
looks higher on Northern Fork

(611) 35 59 2.0 ± 12' 851 elev
92 38 19.0

Op reappears @ this fork, 2-4" beds
in creek. Joints run N52W
S+D N40E 10° NW N5E

(612) 35 59 00.2 ± 19'
92 38 9.7

Covered ctc. last bed of Op. Mst
w/ pyrite above. (Some Mst is very Of)

(613) 35 59 1.0 ± 23'
92 38 15.4

definite top of Of ctc w/ Mst
w/ ~2' of Msst! 612 may be wrong.

Location Date 12.4.07

Project / Client Scale

(614) 35 59 9.1 ± 25
92 38 23.4
Op / Of

(615) 35 59 15.3 ± 34 954 elev
92 38 11.7

pt marks where Mst is taken to emerge. Strange/unclear lithologies are present. first saw a shaly area thought possibly cason, but could not follow bed around. Itemod in area became more micritic w/ pink blebs (rem. of Lafferty). above is pink-white m-c xtl dmst w/ (and some pyrite) (thick bedded) few crinoids, then a reentrant area w/ finer grains, w/ classic Mst thin beds above.

(616) 35 59 14.9 ± 34
92 38 8.9
Mst / Mb

(617) 35 59 10.8 ± 25
92 38 29.9
Mst / Mb ctc on old road.

(618) 35 59 9.4 ± 14'
92 38 30.4
Op / Of

Location Rocky Creek Date 12.4.07

Project / Client

(619) 35 59 6.2 ± 24-
92 38 43.0

Osp/Oc Op tops out as bluff
homed. in ~ 30-40' high

(620) 35 59 21.2 ± 25-
92 38 51.2

Oe/Osp, probably saw it a
bit further back on bluff as well.
Appears to be 2 episodes of channeling
in Osp. Undulations (ms) etc's w/
Osp. gravel covers creek etc.

(621) 35 58 53.2 ± 25-
92 38 30.6

Oe/Osp @ creek level
hearing water fall/picnic table
in distance ~ 150yds up. Etc
is probably close to there also

12.5.2007

(622) 35 59 26.6 ± 22- Hog Hollow
92 38 44.1

only exposure in dense field, prob
of top.

Location Rocky Creek NW Quad Date 12.5.07

Project / Client

Scale

(623) 35 59 23.4 ± 19-
92 38 45.3

Op/Msi ufcp on hill slope

(624) 35 59 23.2 ± 19- elev 840
92 38 47.2

Op/Ok/Of
(45°) (prob ~ 20')

↳ platy/massive but slightly textured

(625) 35 59 24.1 w/ Shaggy texture
92 38 51.4 ± 16'

Osp/Op nice bluff ~ 30-40'

(626) 35 59 54.2 ± 22
92 38 46.4

Oe/Osp covered etc inferred
from bluff adj to drainage
bluffs ~ 15-20' high

(627) 35 59 52.3 ± 35' @ 0° → Oe/Osp
92 38 36.8

Amazing dip on Osp bluffs!
N85E 30° NNW! bluff ht ~ 15-20' high

dip up dip on Osp N30E 15° NW
N85E 15° NW

Location Hog Hollow / MQuad · Date 12.5.07

Project / Client

628 35 59 48.9 ± 25- 49.0 ± 10-
92 38 29.9 30.1

Up Hog Hollow, Osp has dipped back down to this point, but no good surfaces to mark the change pt. mats bed of Op w/ mighty deformation bands (photos)

weather has turned from sunny and clear, to cold wind and clouds wish i wore my underpants...

orientation on deformation bands
N45W E/W

629 35 59 51.3
92 38 28.7 ± 33'

Op / Of ctc (covered) on hill. slopes. fields on opposite slope!

630 35 59 57.4 ± 29-
92 38 27.2

Of / Msj covered by ~6-8" of veg/leg

Location Date 12.5.07

Project / Client Scale

631 35 59 56.2
92 38 39.6 ± 24'

Osp / Op up side drainage seems offset from bluffs @ 30° d.c...

632 35 59 55.7 ± 22'
92 38 35.5

Op / Of on hillside above (approx) dipping Osp

633 35 59 54.8
92 38 31.4 ± 21'

Of / Msj covered ctc ~10-of veg/leg b/t two ctcps
Only a few tenths of Msj ctcp in ~2-3' intervals.

635p 36 00 00.1 ± 19'
92 38 41.7

Sil / Msj - covered ctc.
Standing @ 2-3' exp of Msj there is a ledge just below (~4') then Sil ctcps below ledge.
Then cleared field. no of ctcs...

635 35 59 56.8 ± 19'
92 38 43.1

Op / Of

Location _____ Date _____

Project / Client _____

636 35 59 55.4
92 38 42.9 ± 19'

O_{sp} / O_p on back down

637 35 59 55.9
92 38 49.2 ± 15' elev 749

pt marks end of bluff line from Hog Hollow. There is lots of O_{sp} floating down the slope. O_{sp} in the area may be as much as 60'; or may have been faulted. Will have to look at offsets of cfcs...

53

638 35 59 57.2 ± 11'
92 38 50.1

O_{sp} / O_p

639 35 59 57.0 ± 23'
92 38 51.8

O_o / O_{sp} cool cave cricket

Location _____ Date 12.5.07

Project / Client _____

Scale _____

55

640 35 59 35.9 ± 25'
92 38 50.4

O_o / O_{sp} w/ great travertine & waterfall

O_{sp} looks ~~20'~~ thick; O_p is just above; may be 25' of O_{sp}, but float dis appears just above travertine

56

641 35 59 35.8
92 38 46.9 ± 18'

O_p / O_k / O_f
~87m

thicker here, than in Hog. Also hard O more O_{sp} here than here.

57

642 35 59 36.4 ± 9'
92 38 44.9

O_f / Sil ctc springs + pond.

Location _____ Date _____

Project / Client _____

58

643 35 59 35.9 ± 20'
92 38 41.1

▲ Leaf Sil / MsT
▲ Brass

inspection on hill side shows 10-15' lafarge, w/ Brassfield below. Creep @ spring (642) was ~50' thick; so probably 30-40' Brassfield. Maybe 10-15' MsT

12.10.07

644 35 57 6.2 ± 19'
92 39 28.3

• Large dug/borrow in MB ~80-120' long 15' wide

MsT / MsT / MB [w/ possible Sil below] (in creek bed
MsT ~ 4' thick; ~~thin~~ Msst bed between (~3-4')

▲ Sil - Msst - 3-4'
MsT - 4-6'
MB -

STD N15E 17 WNW
Joints N25W NEVE

Location _____ Date 12.10.07

Project / Client _____

Scale

645 35 57 13.2 ± 9'
92 39 13.7
Sil / Msst / MsT c/c
Sil @ creek level
Msst 2-3' thick

646 35 57 23.4 ± 21'
92 39 4.6
all this water just comes out from this pile of MB rubble; probably @ top of MsT. [30 gal/min]

647 35 57 18.9 ± 17'
92 39 4.5
top of MsT; c/c w/ MB.
▲ very dark (black) MsT. Dangling sine @ cave's near point

648 35 57 1.5 ± 17'
92 39 17.6 (potential)
cool c/c, water all. Sil / Msst

Location _____ Date 12.10.07

Project / Client _____

_____

648 cont'd exposure is ~ 2-4 ft of Si/B w/ 3-4" of Si/calc (apparent welded etc). differentiated by grain size change from m-c xtl (Si/B) to vf-f xtl w/micritic matrix (Si/c). Msst above is brown on weathered massive - thn beds, ~3" thick. GREAT soln jnts in Si/ N75W N/S

msst is filling cracks and stress fractures (W!) in the Si/ (as usual)

Si/ lithologies/members are inconsistent on bpstr. either it's all Brasfield or Lafferty thing or (@ some (unknown) point) ranges from calc red/pink f-m xtl to grey w/ pink blebs vf-m gr. Nugs throughout

Location _____ Date 12.10.07

Project / Client _____

_____ Scale

6 (648) 35 57 58.2 ± 20
92 39 11.1
top of Si/ etc w/ Msst + Mst
Msst ~ 3-4' thk
Mst ~ 8' thick to MB
Joints: N/S N80W

7 (650) 35 57 00.0 N45E
92 39 6.8 ± 17'
top of Mst Si/ did once around the bend @ 67
N/S NNE joints
Mst ~ 6-8' thick

12.11.07

8 (651) 35 54 7.8 ± 29 (1600)
92 44 49.0
MBr/MFr: great old cabin @ etc
light rain, heavier on Bayou Mt so no go.

Location _____ Date 12.11.07

Project / Client _____

(652) 35 53 58.7 ± 22'
92 44 17.7
M_{BV} / M_{FV}

10
(653) 35 54 27.4 ± 16'
92 43 24.4
M_B / M_{BV} covered etc.
inferred @ last M_B visible
in roadside ditch

(654) 35 54 45.0 ± 9.
92 44 48.1
12 M_B / M_m
(655) 35 55 46.8 ± 9
92 45 00.2

13 M_B / M_m in roadside ditch.
(656) Gneat etc! HM HM
35 56 25.9 ± 22'
92 44 39.9
Sinkhole in M_B. Looking for.
~20-25' diam fault
~6' deep.

Location _____ Date 12.11.07

Project / Client _____

Scale _____

(657) 35 56 24.4 ± 60
92 44 36.0
Came to here still no fault

15
(658) 35 56 46.6 ± 20'
92 44 31.7
Spring out of M_B into 20-40g
16 stock tank. < 5 gal/m (~2 gl/m)
(659) 35 57 49.9
92 44 41.4 ± 20'
M_m / M_{BV}
(660) 35 58 1.3 ± 18
92 44 25.9
M_m / M_B etc vanishes into
the left side...

18 no steps to show for the...
(661) 35 59 3.0
92 44 18.0 ± 22
M_{SS} / M_B small etc. on bank of
Goodhue. ~3-5' exposed, M_B
to top visible (~6'). Silt in creek
dip on M_{SS} NSW 7°E

Location _____ Date _____

Project / Client _____

661 cont'd

▲ Silurian rox @ creek level. covered d/c w/ Msi (no Msst around just giant sand bars)

Sil rox is white w/ pink blebs m-c xtl maybe St clair or Brass? also some deformed Brass. below the white ~ 2-4' of alter w/ Brass @ Base.

20

662

12.12.07

35 59 54.8 ± 25'
92 42 3.3

O_{sp} / O_p

Location _____ Date 12.12.07

Project / Client cool ~ 48° cloudy. Low wind humid Scale

21

663

35 00 4.8
92 42 10.3 ± 24'

O_p / O_f in drainage

Of was spotted in a lower side drainage but d/c was not found in main creek due to (apparent) small (1-3°) dip keeping Op @ main creek level.

22

664

35 00 7.1
92 42 10.9 ± 25'

O_c / Sil / M_{ST} w/ Spring!

~8'
to 12'

only ~ 1' exposed, greenish brown on weath.

665

35 59 54.2
92 42 20.0 ± 35'

24

666

O_p / O_f

35 00 1.7
92 42 25.1 ± 33'

O_f / O_c / Sil / M_{sst} / M_{St} / M_B

~8' 25-8' 23-4' ~15'

Location ______ Date ______

Project / Client ______

667 cont'd

Nice water fall today.

Slope changes @ top of Of

Of otcps @ falls + forms black slopes on hill sides

Sil B is red w/ vugs of white calcite; blocky weathering f-m xtl, more lithified than Of.

Of was crinoidal in spots in the area.

25

| 12.13.07 |

668 35 53 11.0 ± 23'

92 43 32.9

top of the knob. Mp to top

~~not any~~ very few IP float; small rocks (cobble)

669 35 53 2.6 ±22

92 43 33.6

standing on very old road.

Shale all around, prob in Mp (calc)

Location ______ Date 12.13.07

Project / Client ______ Scale ______

27

670 35 53 30.1 ± 23'

92 43 34.6

Standing on old road down Bryan Mt. inferred ctc b/t Mpr/Mp. micritic + shaly beds below grey cxtl, foss; petrolif beds above taken to be in Mp above (±10' above) are thick-med beds of Mp lmst.

28

671 35 53 40.7 ± 23

92 43 54.8

top of next knob. still no sign of IPch. no float here.

29

672 35 53 28.3 ± 24'

92 44 17.9

last exposed beds of Mp yellow oolitic slt sndy. IPch beds and float above. (sndy red-yellow brown) on weathered, buff-tan on fresh vf-fine gr mod well sorted angular-subang.

673 35 53 4.4 ±23

92 44 44.2

covered. inferred by bluff IPch/IPws exposure is ~15-20' bluff very weathered no ocean

Location _____ Date 12.3.07

Project / Client _____

673 cont'd very weathered fmgr, mod well sorted subang. ~~red~~ round rusty brown color. looking for grey w/ calc.

31'
674 35 53 8.6
92 44 44.8 ± 23
walled around base of Qtcp.
Pws seems to be turning out as a nose, bluffs ≈ 10-15' thick w/ more float coming down the slope. still covered etc; inferred @ bluffs

32
675 35 53 25.4 ± 23'
92 44 45.2
~~Pch~~ Pch / Pws still no visible etc.

676 35 53 33.8 ± 17'
92 45 8.6

Mp / Pch on old road. covered etc inferred by float.

677 3553 35.8 ± 28
92 45 9.1
MPu / Mp very covered inferred in road

Location _____ Date 12.31.07

Project / Client _____ Scale

678 35 59 38.9 ± 32'
92 41 20.7
Qsp / Qp just ≈ 4' above creek bed

36
679 35 59 35.5 ± 25'
92 41 20.8
just up creek from rustic campsite and spring. Qsp / Qp in creek level. saw greenish, dark Qsp w/ dolomitic cement. some apparent undulations as there appeared to be early Qp @ camp site

37
680 35 59 21.9 ± 25'
92 41 14.6
Qf, covered etc; not sure where in section. lots of roads + clear cuts

exposure: 5 ≈ 5' thick or less

38
681 35 59 25.1 ± 21
92 41 13.4
Qf / Mss no visible snd b/f; covered etc (23° of veg/req)

Location _____ Date 12.31.07

Project / Client _____

39

682 35 59 57.1 ± 19-
92 40 12.4

MSJ / MB . following new road down to drainage. ctc is on hillside ~ 4' above road bed. (+) ~ 15-20' thick!

40

683 35 59 50.4 ± 31'
92 39 12.8

(Erica found) pt Sil ctc in the road. small MSJ float found, just downhill side nothing in place. colored ctcs MSJ must be pretty thin (25') Sil is Laferty (~10-15' thick cascades down hillside) Qf is ~ 20' thick then Qp bar @ old homestead

41

684 36 00 17.5 ± 32 ~~92 39 10.2~~ IN Qf

~~Qf top, ctc w/ Sil MSJ.~~

anomalous (? grey coarse x-tl found crinoids)

Location _____ Date 12.31.07

Project / Client _____ Scale

42

685 36 00 19.3 ± 21'
92 39 11.3

Laferty Sil / MSJ ctc. MSJ ~5-8' thick Sil is laferty ~ 20-30' th

686 36 00 17.9 ± 22'
92 39 9.9
Qf / Sil

of the road

1.1.2008

44

687 35 58 11.7 ± 42'
92 27 59.6

Qf / MSJ no visible MSJ Some MSJ blocks appear to be slumping. ~ 1-2' drop & back into hillside. but no Qf above this point

45

688 MSJ is ~ 6-10' thick covered ctc w/ MB
35 58 10.5 ± 23'
92 28 1.0
Still following old jeep trail. Qp / Qf in road!

Location LANDIS Quad Date 01.01.08

Project / Client

46

689 35 58 75 ± 22
92 28 17.1

Op / Of again, up the hillside (~20-25' from creek, hard to tell)

47 (~10-15' up from road)

690 35 57 52.4 ± 24
92 27 51.3

Op / Osp. Osp in creek; Op on hill slopes

dip on Osp ~ 4° WNW N20E strike

lots of deformation bands.

Joints N55E N35W N65W (maybe just w/ bands?)

48

691 35 57 55.5 ± 22
92 27 41.8

Osp / Op. Osp is rising up from creekbed. Op forms bluff on hill side.

NISE 6° WNW

Location Date 1.1.08

Project / Client

Scale

692 35 57 54.7 ± 22
92 27 37.3

Osp / Op @ "old mill" wall

Perimeters the Osp ledge trapping water behind. Op bluffs above way cool.

Joints on Op
N30E N20E

50

693 35 57 50.0 N35W N65E
92 27 38.3 ± 33'

following Osp / Op etc. road is along etc. rises up w/ dip N80E 5°N

51

694 35 57 48.4 ± 24
92 27 33.2

looking @ undulating surface of Osp base, but no die Op.

Osp ~ 50' thick here!

52

695 35 57 54.7 ± 25'
92 27 30.9

Pf marks loc. in Osp snd where excellent x-beds are visible then grades upward into massive snds w/ worm tubes

lots

Location _____ Date _____

Project / Client _____

696 35 57 51.9
92 27 25.2 ±21

Qe emerges from creek bed exposures 15' thick adj to pt

51
697 35 57 54.1 ±21'
92 27 21.5

Qe/Qsp etc above creek bed

Qsp exits down into Qe. Thick. last 5 steps under the cuts.

698 35 58 1.7
92 27 16.5 ±32'

/Qsp/Qp

50
699 35 58 10.0 ±17
92 27 17.1

Pt marks top of MSJ. covered etc w/ MB above. small knob of Qf below. prob 28-10' MSJ, 10-12' of Qf

↳ steps/ledges are visible on hillslope though it is a cowfield!

Location _____ Date 1.1.08

Project / Client _____

Scale

57
700 35 58 4.1 ±25'
92 27 16.9
Qp/Qf exact on hillside (in the woods) ☺

701 35 57 56.7 ±24
92 27 03.5
Qf/Qf again exact

59
702 35 58 0.7 ±23'
92 27 29.7
Qp/poss Qk/Qf
all etc w/MSJ are covered; no MSJ steps in fields or woods on this side of drainage. last visible of knob is ~20' up from the point.

60
703 35 57 56.2 ±17
92 27 33.3
Qf/MSJ pt @ top of Qf which is very unusual etc is covered by ~2' above

704 35 57 55.7 ±25
92 27 37.2
Qp/Qf

Location _____ Date 1.2.08

Project / Client _____

62

705 35 57 41.1
92 27 22.4 ± 20-

O_{sg} / O_p along drainage covered d/c.

706 35 57 36.8
92 27 21.4 ± 24-

O_f / M_{sf} M_{sf} looks a bit slumped, but it's the only d/cp exposed ~2- of M_{sf}, ~4'- of O_f adj to drainage, ~ 15- up on slope.

707 35 57 40.5 ± 17-
92 27 18.3

O_f / M_{sf} covered d/c. very small (~1-2-) exposure of M_{sf} before covered by M_B + veg small knobs of O_f up the hill slopes.

65

708 35 57 42.4 ± 28-
92 27 5.1
O_p / pits O_k / O_f →

Location _____ Date 1.2.08

Project / Client _____

Scale

708 cont'd standing in very old field, (long dates) not even truing covered. pt marks small d/cp of O_f w/ a light grey shrubby texture above (O_k ?) than O_f above

O_p exposed ~4-6',
O_k exposed ~3-
O_f exposed ~ 8-10'

66

709 35 57 30.7 ± 20-
92 26 56.1

probable tip of M_{sf}. M_B above but d/cp is slumped on d/c is covered. small knobs of M_{sf} are also in the next fork @ some level.

* note some O_f ~ 4 yds down ~~slope~~ below the fork

67

710 35 57 33.2 ± 20
92 26 53.3

O_p / O_k covered some by trees (terraced @ O_{sg} + O_f exposed) w/ first O_f

Location _____ Date 1.2.08

Project / Client _____

714 35 57 38.6 ± 25
92 26 53.5
O_p/O_{sp} good large ~~de~~ bluff
touched out, frozen rein

713 35 57 43.9 ± 30'
92 26 52.6

70 O_{sp}/O_p

713 35 57 46.0 ± 26'
92 26 41.4
top of O_{sp}. but no O_p above
good ledge O_{sp} is very thick
here bluff was 30'
* down @ creek there is
~ 20-25' of O_e to O_{sp} etc.
(about 5 of 230)
then O_{sp} is round bend
returning to creek level..!
71 lots of O_e vanishes suddenly
714 35 57 57.8 ± 20'
92 26 49.1
another rise in O_e O_e/O_{sp} etc
O_e ~ 8-10' exposed before O_{sp}

Location _____ Date 2.2.08

Project / Client _____ Scale

~~714 and~~
closer inspection
O_e/O_{sp} contact dec'd, is on
the left side of drainage
~~off~~ known to the east (right of drainage)
up probably 30'
~~715~~ A well revising the fault
idea. would be a graben
~~upthrown side of the fault~~
→ the high O_{sp} bluff on
right side of creek
had no O_e visible below
and is believed to be part
of the O_{sp} that was at
creek level noted in pt
713 (around the bend)
72 715 35 57 57.8 ± 19'
92 26 50.2
O_{sp}/O_p not sure about relationship

Location LAURA Ewing Property Date 1.3.08

Project / Client Cedar Creek

73

7/16 35 58 6.9 ± 15
92 28 29.0

climbing old road back to Ewing house. Qp/Qf etc is visible @ this level on adj hillside.

7/17 35 58 11.9 ± 23
92 28 26.8

Qf/Msf etc in creek

~3-4' of massive (w/ stylolitic surfaces) beds of pinkish mXtl

Qf: thin bedded, pinkish-greenish

Msf beds above. NO Msst visible.

7/18 35 58 1.4 ± 13
92 28 43.7

pf marks approximate loc where Qe begins to rise from creek bed. ~10-15' high at apex of the 'dome' then dips back down, the bend upstream had ~30' of Qsp as a bluff before (apparent) etc w/ Qp above

Location Date 1.3.08

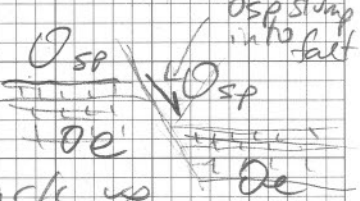
Project / Client

Scale

7/18 so Qsp would appear to have thinned in the upstream bend. it is much thicker in other areas of Cedar Creek

Qe "dome" looks ~100-150 yds before disappearing in creek bed. the other end isn't too obvious.

7/19 35 58 5.0 ± 34
92 28 55.5



Qe has risen back up (30. NNW) probably started ~30 yds back here though is a 5-8' off set visible in Qe/Qsp etc! way cool. Shearing + deformed bands visible in the Qsp.

(Now) fault plane visible in creek 63° N dip on beds looks to be minimal; down drop to N

fault S+D [total thickness of Qe exposed is 15-20']

Location _____ Date 1.3.08

Project / Client _____

77

720 35 57 52.8 ± 4?
92 29 16.7 ± 4?

O_e/O_{sp} ~~~20-~~30° up from creek bed. forms a small flat ledge here where O_{sp} occurs. thin bedded sndy dolost

78 @ etc.

721 35 57 48.3 ± 14'
92 29 00.3 ± 14'

rocks are amish, drying to come up this slope into drainage
We have normal O_e/O_{sp} etc along the bluff to this pt.
then a deformation zone.
O_e/O_{sp} becomes unclear; looks like ~~O_e/O_p ~20° above~~

Ok, calling 721 an O_{sp}/O_p etc on a fault plane terminating out an O_e block. [V/23° E due on O_p]

722 35 57 47.7 ± 18'
92 28 58.7
O_e/O_{sp} on up thrown side

Location _____ Date 1.3.08

Project / Client _____

_____ Scale

722 cont'd appears to be ±30' off scarp here

~~355~~ O_p/O_f etc is on the other side of the fault ~25° (to north)

80

723 35 57 51.0 ± 23'
92 28 50.0

O_f/M_{sj} w/no v.s.ble M_{ss} brought down due to dip @ fault most likely.
recall 23°E dip @ pt 721 on O_r. dip on M_{ss} is 19° E
M_{sj} exposed is ~4' N/S shale

Location ______ Date 1.7.08

Project / Client ______

81

(724) 35 57 37.8 ± 24
92 29 32.1

top of Osp (ledge forming)
Op visible in hill side field

82

(725) 35 57 44.7 ± 20'
92 29 34.2

Op / Of along road.

83

(726) 35 57 50.0
92 29 38.5 ± 17'

top of Of inferred by last exposure before covered by MB
No Mst visible as float or in otcp

84

(727) 35 57 50.7 ± 22'
92 30 2.5

Of in road, inferred as top. No Mst on slopes above. Just MB reg.

Location ______ Date ______

Project / Client ______

Scale ______

(728) 35 57 19.7 ± 21
92 30 3.3

poor Of top. small ~~float~~ on side of road (grade) just above a low spot (valley). mp above.

(729) 35 56 57.1 ± 16'
92 29 55.6

Of / Msst ctc. no Mst visible @ Otcp here, but as float and beds across the drainage on opposite hill.

▲ Basal snd looks calc (fizz!) pinkish gray m gr.-c gr w/ phosphate pebs; Only 2-3" exposed on top of a 3' otcp of Of.

Of to creek level (dip on Mst N50E 5°SE)

took ascension pt. R. H. hiked across the creek to conf. Mst on adj hill; ~~dip on~~

▲ Mst is shaly, vfgr micritic py rite

Location _____ Date 4.7.08

Project / Client _____

729 contd

possible silurian rox in
creek, not sure Of? 5.12

87

730 35 56 54.4 ± 8'
92 29 51.7 -

Of / Of at bottom

88

731 35 56 54.4 ± 16
729 adjustment 92 29 35.4

on hike back to jeep found
more probable evidence of
Silurian rox's ~ 10' thick
weathering changes from clastic
Of to more brassfield type
than Msj.

731 pt taken @ 5.1/Msj cite
no Msst around.

Location _____ Date _____

Project / Client _____

Scale _____

89

732 35 57 15.5
92 29 40.6 ± 17 Delt

~~first (top) of Of coming~~
~~down the logging road, NO S.1/Msj~~
~~on the way~~

89

733 35 57 16.5 ± 15
92 29 38.8
just above last exposure of
(25-)
Of [~15' above str. road]

pt marks Msj / Of etc.

90

733 35 57 14.1
92 29 34.5 ± 15

Osp / Op JOINTS ON Osp
N50E
N5W
N25W (mid)

91

734 35 57 3.8 ± 19
92 29 16.0

Location _____ Date 1.7.08

Project / Client _____

q2

(T35) 35 56 59.5 ± 18
92 29 28.0

M_S / M_B covered etc. its the only M_{SS} in this cleared (clear cct) field. 25-10' ledge before Of downthe slopes

shaly / matrix rich, fgr.

* Weird GPS voodoo ...
¿ Autolocate?

1.8.08

q3

(T36) 35 56 24.5 ± 22'
92 29 58.7 (mostly covered) qtcs

pt marks (etc road) Of / Sil ? / M_{SS}

Of → lining creek → is vf-fgxtl ltgrey-white w/ pink blebs

Sil → only 4' maybe → more micritic grey matrix w/ fxtl pink blebs

M_{SS} → enhanced pyrite blebs

Location _____ Date 1.8.08

Project / Client _____

Scale _____

to Book 3