

INDIANA DEPARTMENT OF
NATURAL RESOURCES
GEOLOGICAL SURVEY

611 NORTH WALNUT GROVE
BLOOMINGTON, IN 47405

4001-0235

Wed 1 Dec 04

Location $\rightarrow$ Along 37 N of Bloomington

People $\rightarrow$ Brian Keith + Todd Thompson

Purpose $\rightarrow$ Formation contacts for

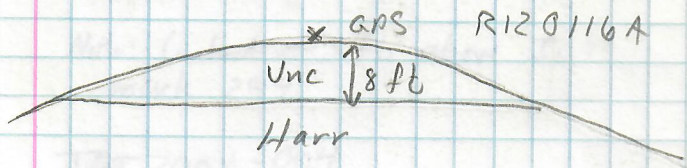
STATEMAP

Weather $\rightarrow$ cool + sunny

Site: TAT2004 - 001

Reasblossom Creek S, West side
on Highway 37

9N, 1W, Sec 8, SE, SE, SW
 ~ 723 ft WAG



Site: TAT2004-002

same as above but to the N

9N, 1W, Sec 8, NE, SE, SW
 ~ 475 ft WAG

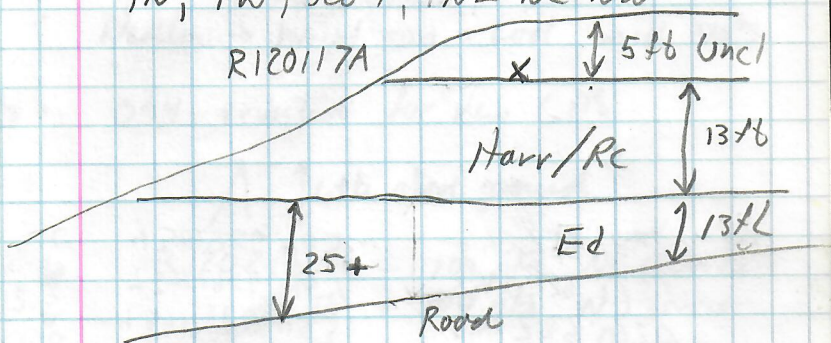


Site :

TAT 2004-003

Bean blossom Creek N, West side of
Highway 37

9N, 1W, Sec 4, NE NE NW

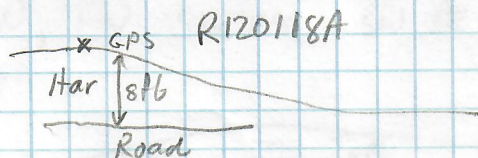


Note: Contour ~ 5ft above I69
mark 294

Site :

TAT 2004-004

Shrine Club, East side of Hwy 37
10N 1W Sec 33, SE SE SW



I69

Thurs 2 Dec 04

Location $\rightarrow$ Along 37 N of Bloom

People $\rightarrow$ Keith + Thompson

Purpose $\rightarrow$ GPSing outcrops + picking
Fm contacts

Weather $\rightarrow$ bright sun + cool, mid 40s

Site: 004 revisited for new GPS

π $\downarrow$ 6ft above ground

742.6	R120216 A	- 100 pts	No carrier
743.2	B	- 100 pts	No carrier
741.8	C	-	Carrier

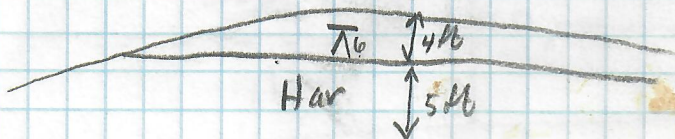
IN

Site: TAT 2004-005

Wormis Way

R120217 A

10N, 1W, Sec 28 SW SE NE



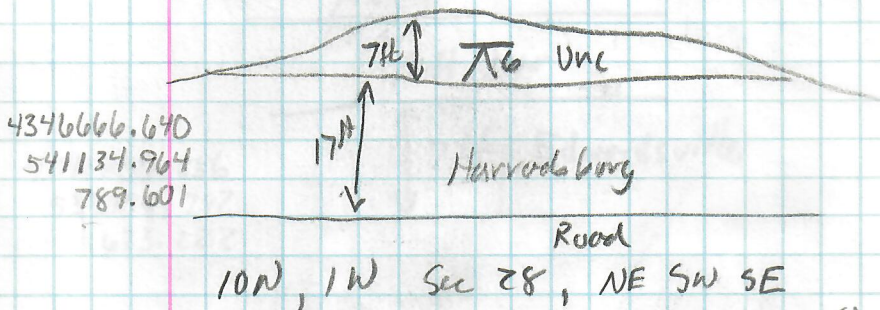
4347278.370

541164.508

786.168

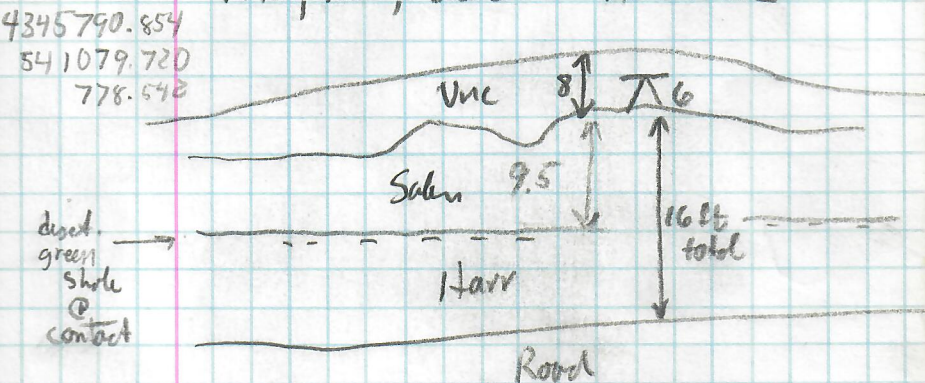
IN

Site : TAT 2004-006 R120217B
 Junkyard Section on W side of
 Road



IN

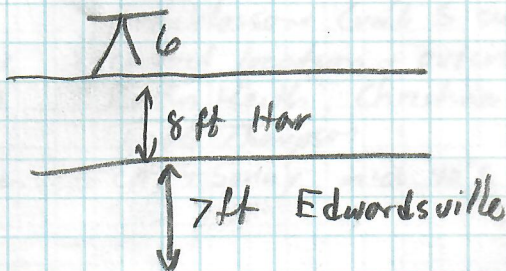
Site TAT 2004-007 R120218A
 BP/AMOCO South on West
 side of 27
 10N, 1W, Sec 33 NE SW NE



IN

Site : 002 revision

R120218B



4341850.886
539044.792
673.222

Fri 3 Dec 2004

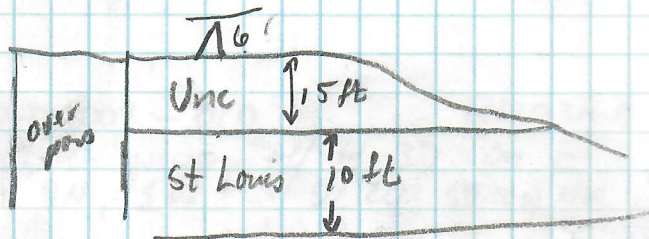
Location: 45/46 bypass + Hwy 37
north of Bloomington to
Bear Blossom Creek S section

Purpose: contact location + outcrop mapping

People: Brian Keith, Christina James,
Todd Thompson

Weather: cool + sunny, mid 40's

Site: TAT 2004 - 008 R120315 A
Arlington Heights overpass
~843 SWAG
9 N, 1 W, Sec 29 SW SE NW



4337642.312

538753.148

848.355

Site : TAT 2004 - 009

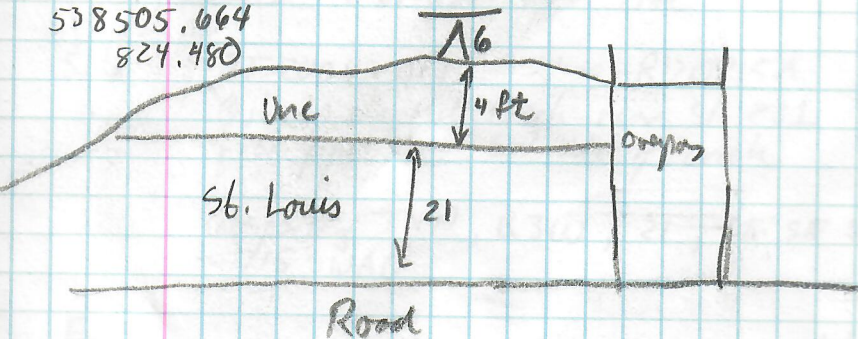
R120316 A

Old 46 overpass by County Garage on E side
9N, 1W Sec 20 SE SW SW ←

4338469.987

538505.664

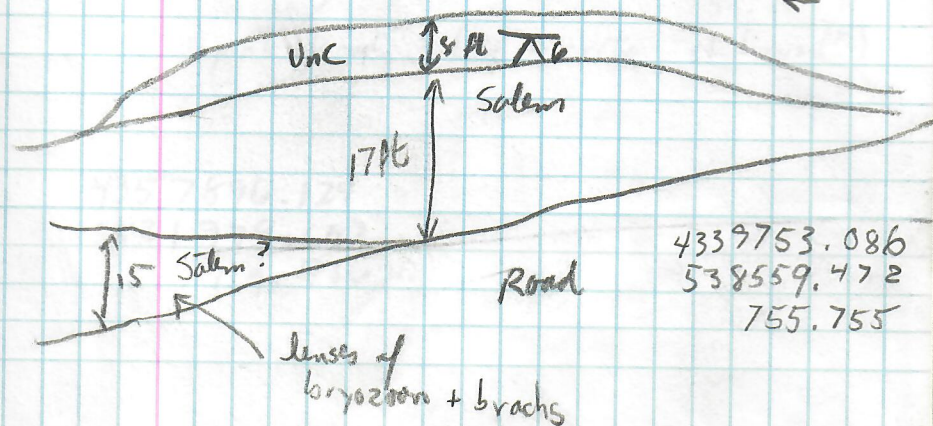
824.480



Site : TAT 2004 - 010

R120316 B

Church outcrop off of 37 on E
9N, 1W Sec 20 SE 1W NW ←



4339753.086

538559.472

755.755

Wed 8 Dec 2004

Location → N of Spenser in NW corner of Gosport Quad.

Purpose → mapping contacts

People → Brian Keith + Todd Thompson

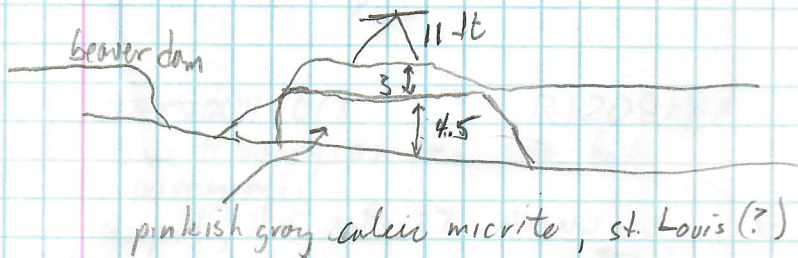
Weather → overcast and cool

Site TAT 2004-011 R120815A

Outcrop on Mill Creek near SR 231 near pipeline. SW side of creek

Gosport, T11W, R3W, 21, SE SE SE
~ T15SWAG

E W



4357896.124

521979.602

719.936

Site

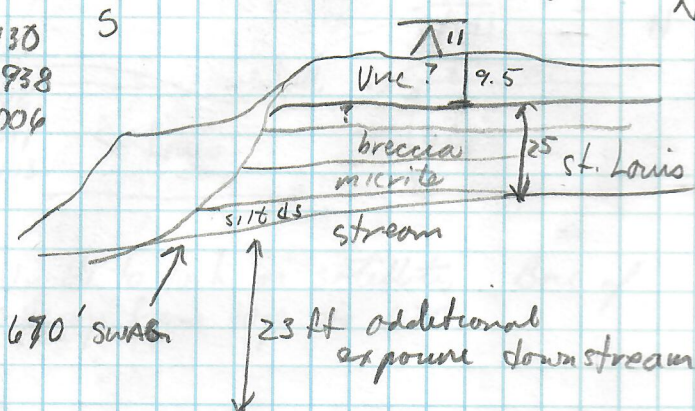
TAT 2004 - 012

R120817A

Exposure in tributary to Mill Creek off of
150 E, Outcrop on W side of 150 E
Gosport, 11N, 3W, 28, NE NW SE



4356796.430
522135.938
708.006



Site :

TAT 2004 - 013

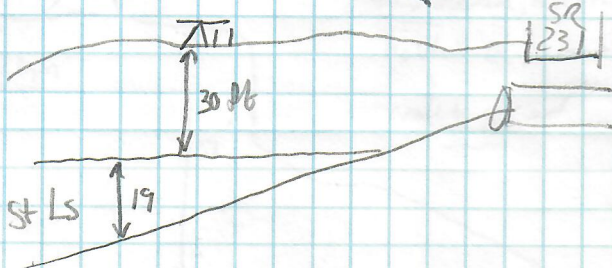
R120818A

Same tributary as last site but
updrainage
Gosport, 11N, 3W, 27 NW NW SW

W



4356943.856
522329.279
768.307

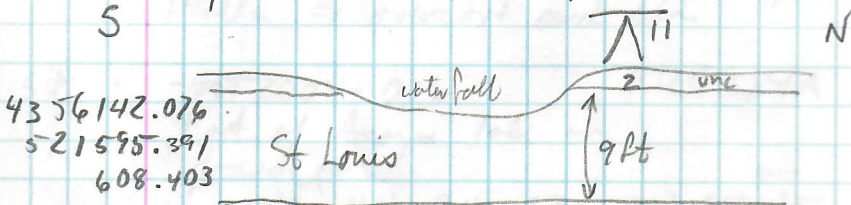


Site: TAT 2004-014

West of lake in drainage. Waterfall S of house

Gosport, 11N, 3W, 33, NW NW NE

5



only 61 points ↑ Unable to lock on satellites. Base of outcrop from top is 620.

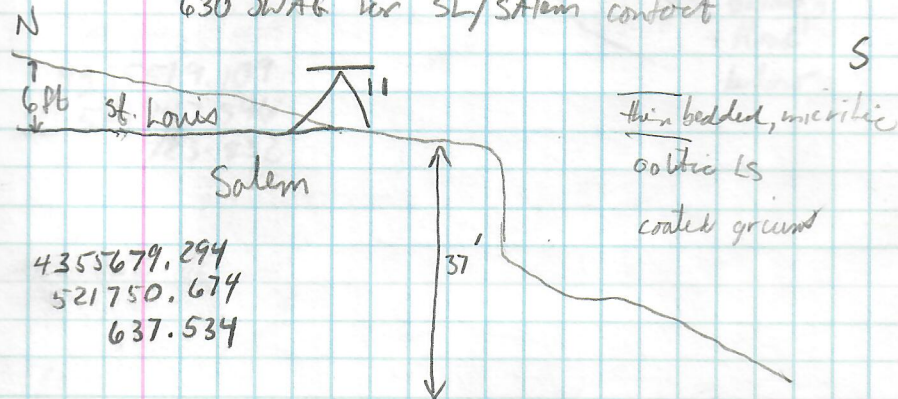
Site: TAT 2004-015

R120819A

Amazon Lake spillway, Amazon Shores ←

Gosport, 11N, 3W, 33, NE SW NE

630 SWAG for SL/Salem contact



Thu 9 Dec 2004

Location → along SR 231 N of
Spencer

Purpose → GPSing contacts

People → Brian Reith + Todd Thompson

Weather → overcast and cold

Site : TAT 2004-016

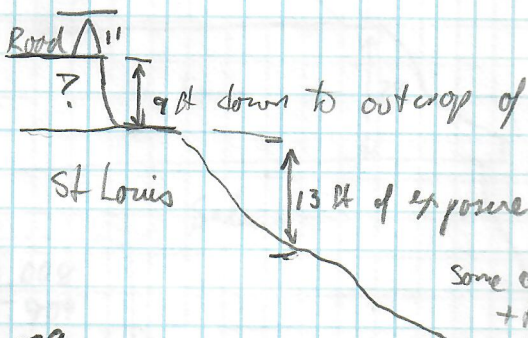
R120914A

East of Amazon lake in
drainage

Geoplot, 11N, 3W, 33 SW SE NE

E

W



4355519.109

521947.546

723.832

Site

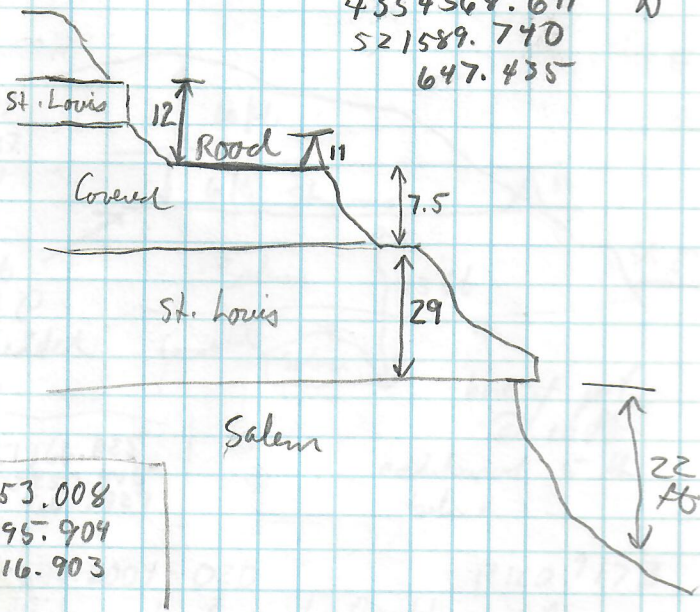
TAT 2004 - 017

R 120915 A

Waterfall in drainage on road south
of Mill Creek
Gospark, 11 N, 3 W, 33, SW, SW SE

S

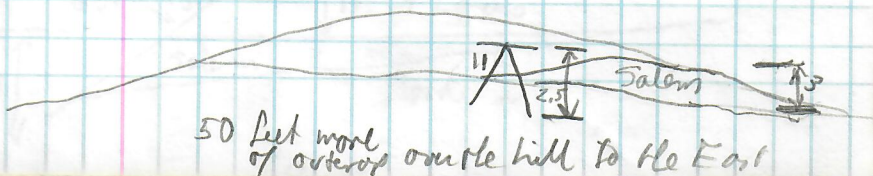
4354568.641 N
521589.740
647.435



Site

TAT 2004 - 018

Small outcrop on 231 S of Mill Creek
on west side of the road
Gospark, 10 N 3 W, 4, NW NE NE



S.6

TAT 2004-019

R120917A

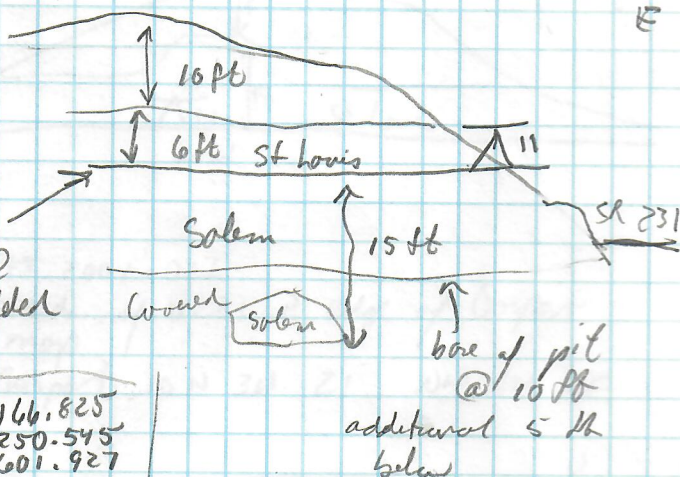
Abandoned quarry on west side of SR
231 @ 160 N intersection. Road
to Ramond
Gosport, 10N, 3W, 9, NW SW SW

W

E

4351547.934
522071.627
584.041

corets
placed @
thunby bedded
St. Louis.

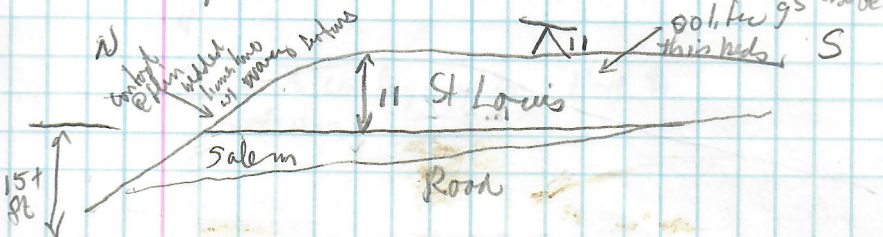


S.to

TAT 2004-020

R120917B

Outcrop by Summit Realty. GPS on
East side of Road
Gosport 10 N, 3W, 16 NE NE NE



Site

JAT 2004-021

R120918A

West side of SR 231, N of Fisherman's
Choice Boat + Tackle

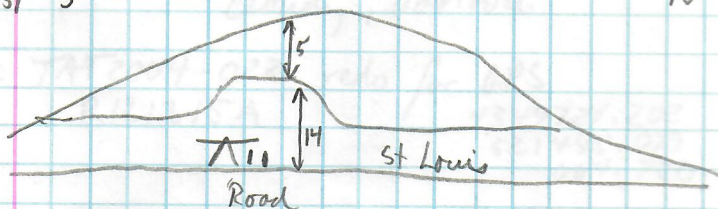
Gosport 10 N, 3 W, 16, NE NE SE

4350396.738

622243.482

652.651 S

N



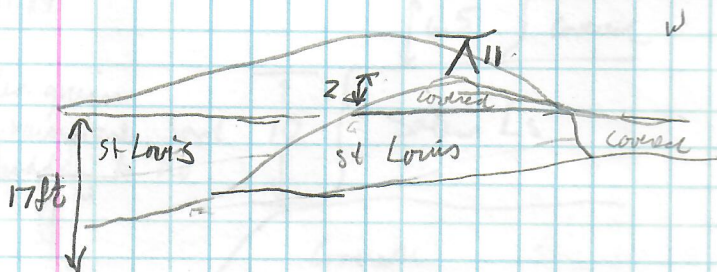
Site

JAT 2004-022

S side of U231 @ edge of Gosport
map

Gosport 10 N 3 W 21 NW NW NE

E



Poor GPS configuration. Have to
return.

Mon 13 Dec 2004

Location → Eastern Owen County
along SR 231 and SR 67

Purpose → contact mapping

People → Brian Keith + Todd Thompson

Weather → cold + snowy, partially
cloudy, variable

Site : TAT2004-022 redo for GPS

R121315A

4349721.202

521455.079

664.720

Site : TAT2004-023 R121316A

Along Road N of Mill Creek following
160 N

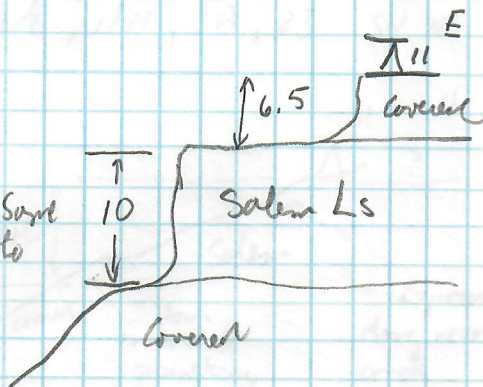
Gospert 16N, 3W, 4, SW NE SW

4353500.188 W

522218.026

601.191

Coated grain
brownstone, some
X-bedding to its
E.



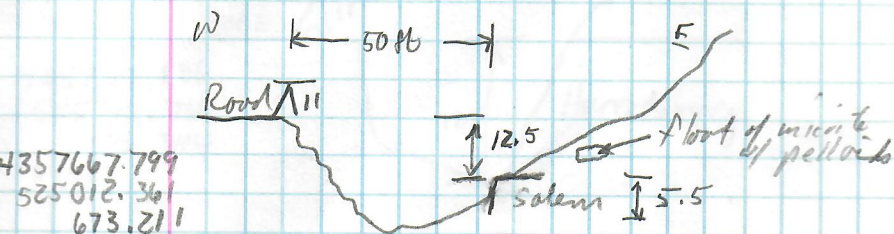
Outcrop may be near the contact
because sink holes occur on platforms
above

Site

TAT2004-024

R121317A

Along 325 E on E side of road
in drainage
Gosport 11 N, 3W, 26, NW NE NE

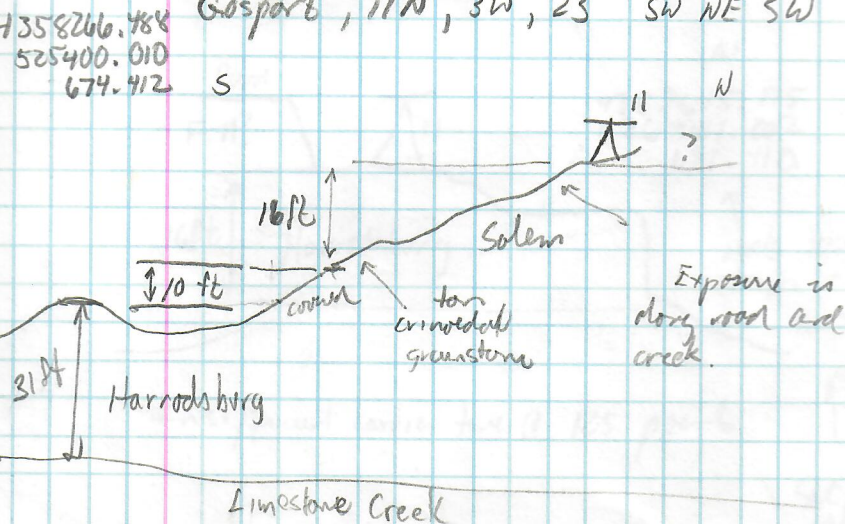


Site

TAT2004-025

R121317B

Hill along Ls Creek on 325 E near
edge of Gosport Quad
Gosport, 11 N, 3W, 23 SW NE SW

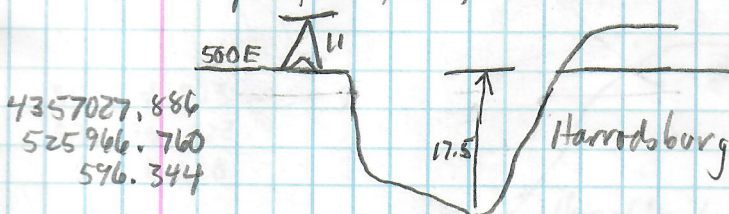


Site

TAT 2004-026

R121319A or B

Along 500 N @ tributary to Limestone
Creek west of Hollybrook Lake
Gosport, 11N, 3W, 25° NW SE NW



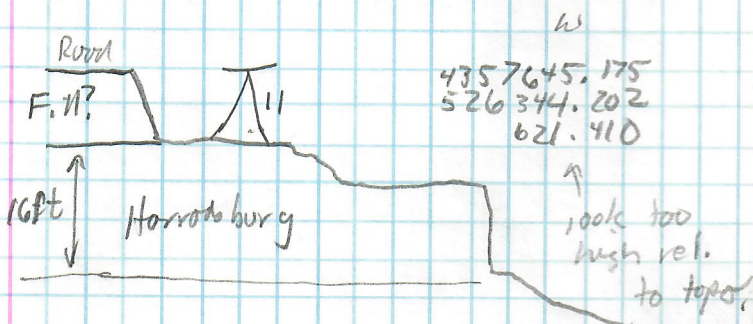
Site

TAT 2004-027

R121319B

Outcrop in drainage east of Hollybrook L. w,
a couple of small waterfalls
Gosport 11N, 3W, 25°, NW NW NE

11



Insufficient carrier time @ 125 points

See
redo

Site

TAF 2004-028

Base of spillway of Hollybrook Lake
Gaspport, 11N, SW 25 SE SW NE

S

N

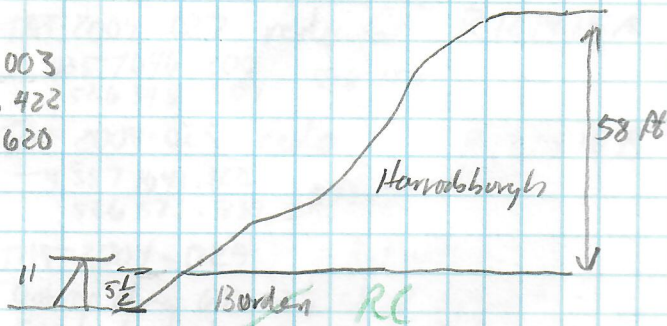
4357104.003

526570.422

582.620

g

Look
10 ft
to high
on tops
and only
ave of
8 pts.



No carrier time, but 120 points

Tues 14 Dec. 2004

Location → N of Gosport along SR 67

Purpose → GPSing outcrops + contacts

People → Brian, Keith + Todd Thompson

Weather → clear + sunny, cold 20 to low 30

Site : TAT 2004-027 redol R121415A

4357646.200 558.250
526345.357

Site : TAT 2004-028 redol R121415B

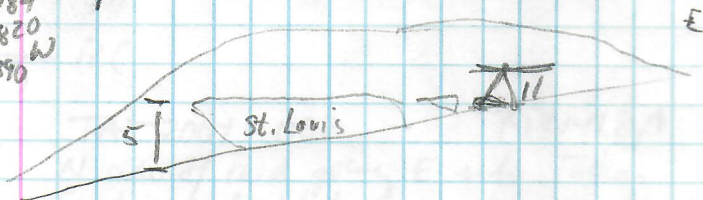
43571041.122 573.775
526571.839

Site : TAT 2004-029 R121416A

Outcrop along 67, 2 1/4 mi N of Gosport

Gosport 11 N 3W, 26 SW SE SE

4356206.784
525113.820 W
706.390



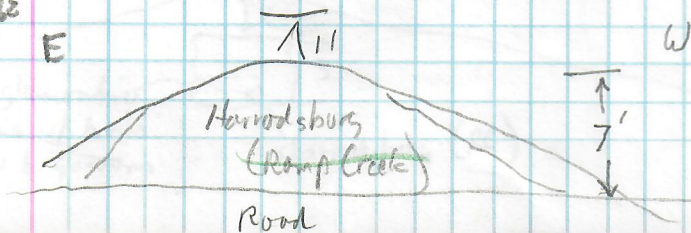
Site : TAT 2004-030 R121416B

Outcrop across from where Ls Creek

356107.429 intersects SR 67

526510.778 Gosport 11 N 3W 36 NWNWNE

581.462



Site

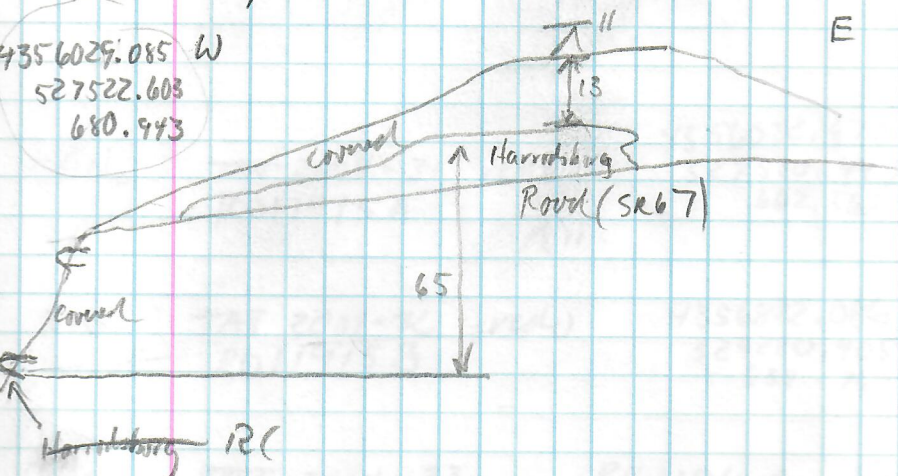
TAT 2004-031

R121417A

N side of SR 607, west of Gosport
as road descends into Limestone Creek
Gosport 11 N, 2W, 31 NW NE NW

seems too high

4356029.085 W
527522.603
680.943



Sib : JAT-2007-032

R121418A

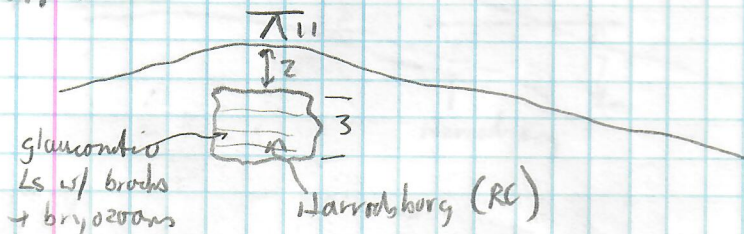
N side of road going E into Indian
Creek on the White River
Gosport, 11 N, 26 W, 29 NW NE and

356821,773

529217.838

636.247 N

S



Wed 19 Jan 05

Location $\rightarrow$ New Gasport

Purpose $\rightarrow$ GPS on outcrops

People $\rightarrow$ Todd Thompson + Brian Keith

Weather $\rightarrow$ overcast, cold, low 30's

Site

TAT 2004-31 vado
R011915A

π II

4356032.870
527530.447
662.562

Site

TAT 2004-32 vado
R011915B

4356822.086
529220.405
639.762

Site

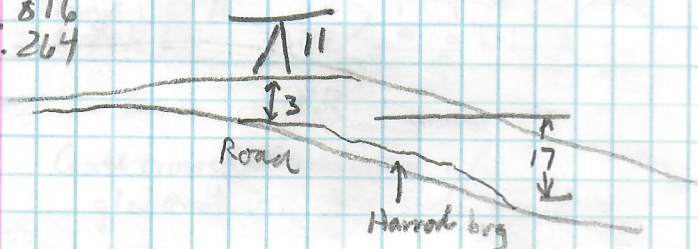
TAT 2004-33

R011916A

East side of Jonda Rd just over
crest of hill

Gasport 11 N, 2W, 30 SW NE NE

4357470.193
528329.816
676.264



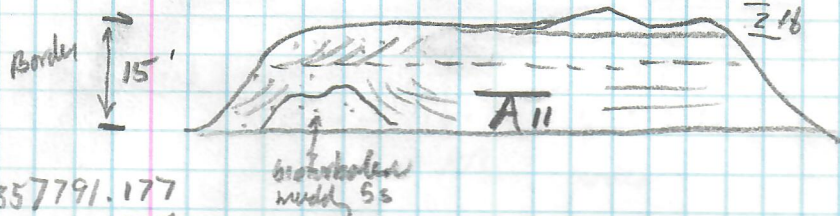
Site

TAT 2004-34

RO11917B

Highway 67 by Midden Lane, N side
of 67, extension of Arganbright Hill
to the North

Gosport 11 N 2W, 28, NE NW NE



1357791.177

531297.545

574.807

too low

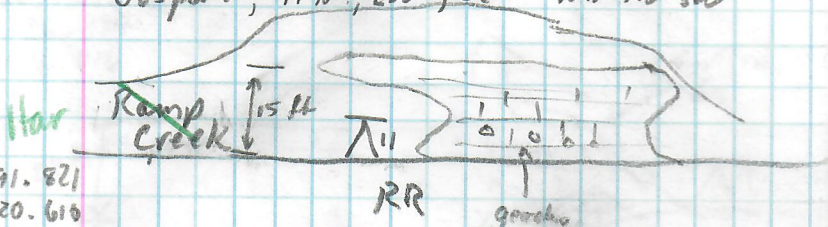
Primarily muddy ss w/ cross-bedding

Site

TAT 2004-35

RO11917C

E side of Gosport, corner of 1st street on RR track
Gosport, 11 N, 2W, 32 NW SW SW



1355491.821

529320.616

620.150

Coarse crinoidal granitic w/
glauconite and some striae byozoa

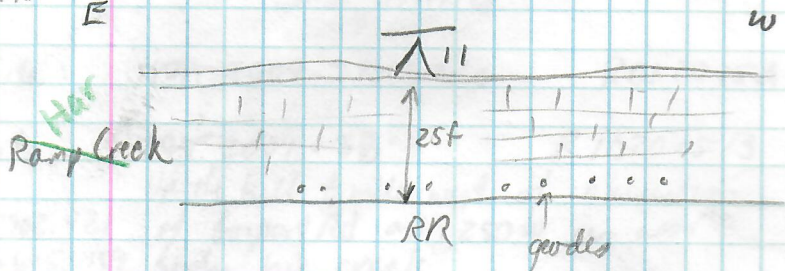
RO11918A

354885.608

528 907.406

643. 232

2



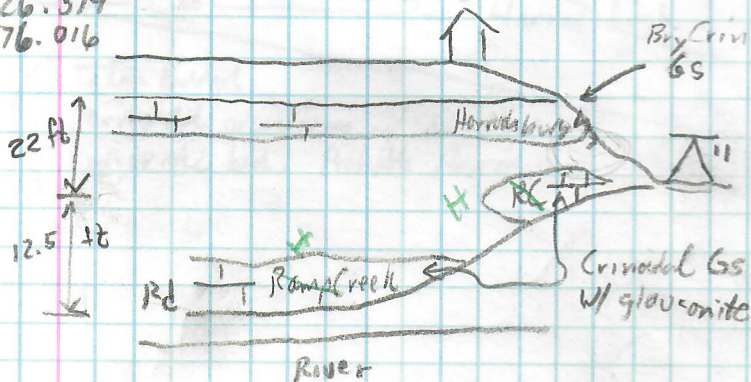
RO11919A

Gospard 10 N 2W 6, SW NE NE

1353667. 552

527 826 . 374

576.016



4357785.983
531294.412
593.311

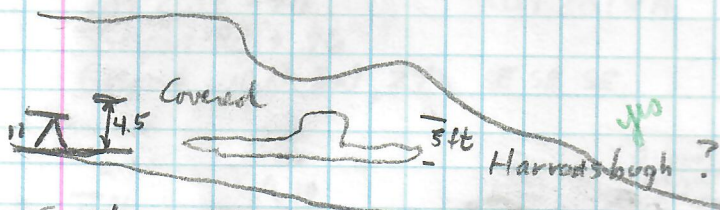
Thurs 20 Jan 05

Location: Near gasport + south to 46
Purpose: GPSing for outcrops
People: Tom Thompson + Brian Keith
Weather: overcast not as cold as yesterday,
some flurries

Site: JAT 2004-34 redo R012015A

Site JAT 2004-38 R102015B

Up the hill $\frac{1}{4}$ mile west of intersection
of Gasport Rd and 250 W on west
side big creek
620.800 Gasport, 10W, 3W, 1, SE SE SW



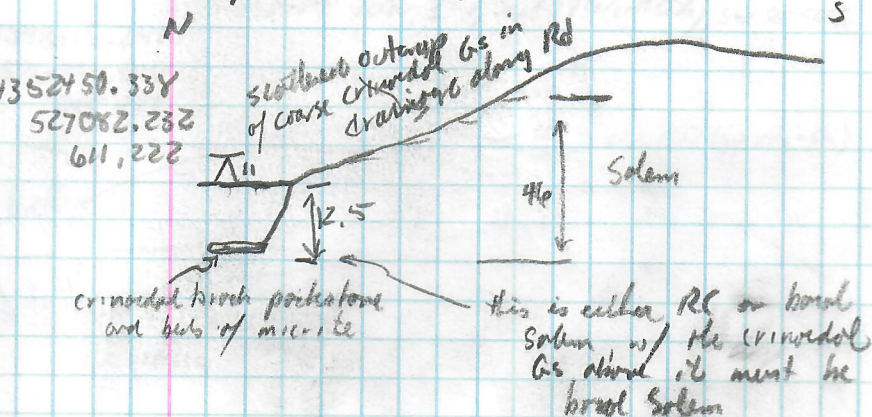
Thin bedded
conglomerate granitoids w/ an upper
micritic bed. Probable Harrodsburg

Site

TAT 2004 - 39

RO12017A

Along Gosport Rd, S of Big Creek
Gosport 16N 3W, 12 NE SE NE

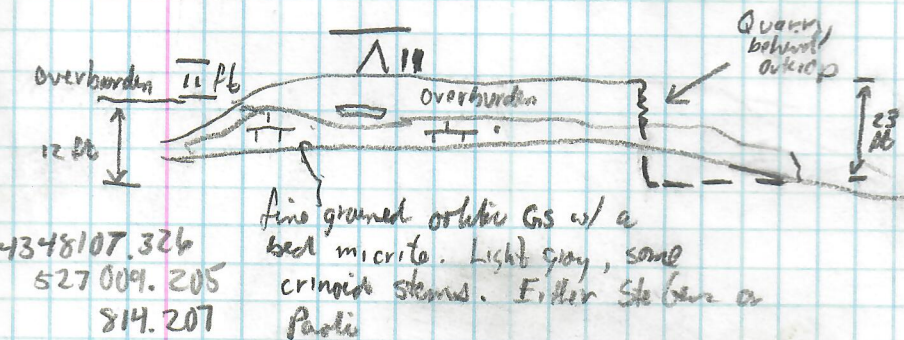


Site :

TAT 2004 - 40

RO12018A

Gosport Rd + 96
Gosport, 10N 3W, 24 SE SE SE



4348107.326
527009.205
814.207

site. TAT 2004 - Y1

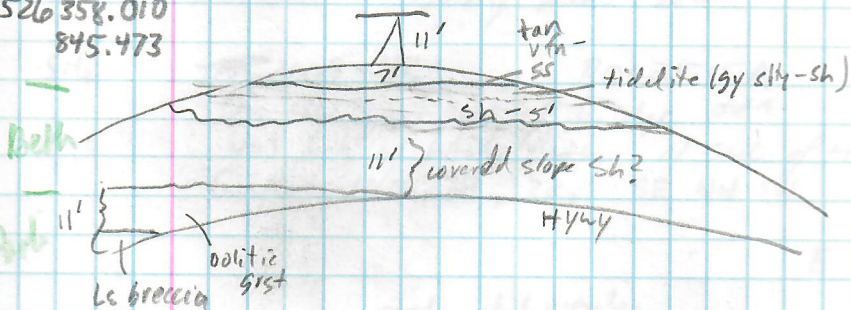
Rt 46 - McCormick hill at water tower
north side of roadcut

60spout 100, 3w, Sect 24 (Northside), SW SE SE

348115,241

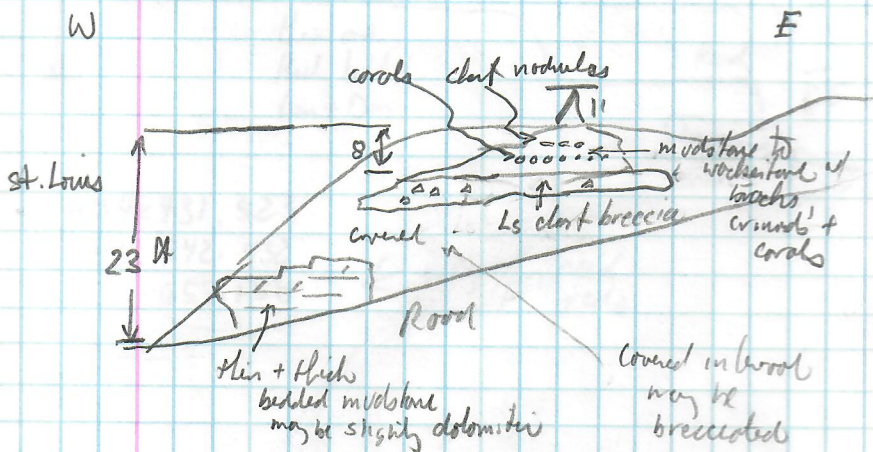
526358.010

845.473



Tues 25 Jan 05
 Location → S of McManis Creek
 State Park
 Purpose → GPS on outcrops
 People → Todd Thompson
 Weather → Sunny mid 30's

Site TAT 2004-42 RO12515A
 On 46 just east of bridge over
 West fork of White River, N side of 46
 Gosport 10N, 3W, 22, SE NW SW



4348645.598
 522563.726
 631.330

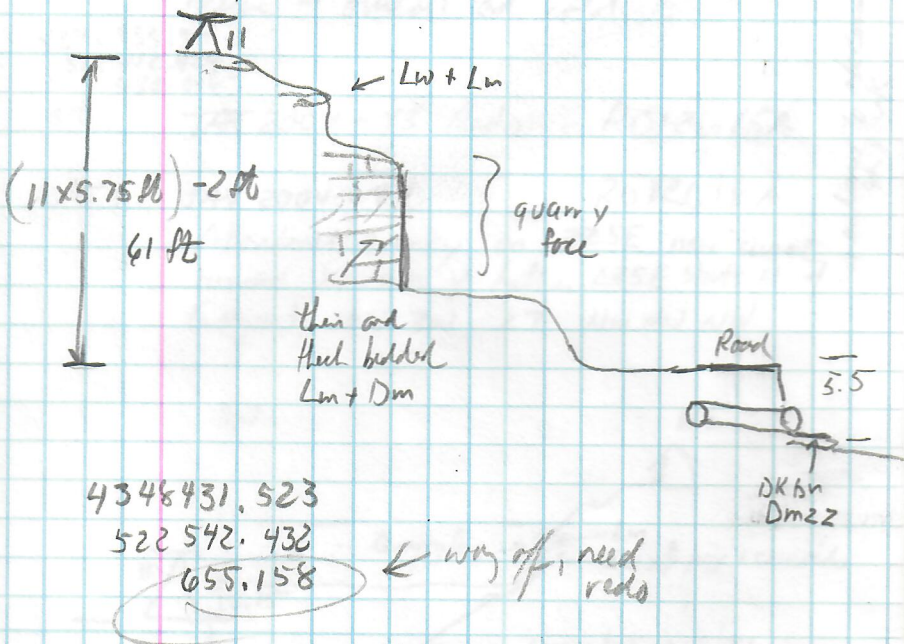
Site

JAT 2004-43

RO125164

Small quarry S of 46 near 3 barns

Gosport, 11N, 3W, 22, NW SW SW



reference to McComish Creek
St. Mark

Bygone & mapping

People $\rightarrow$ Todd Thompson

Weather $\Rightarrow$ overcast and cold

4348435.34

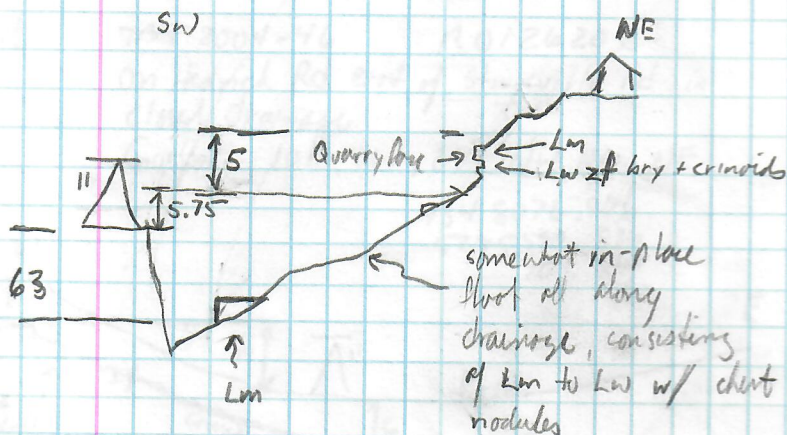
522542.429

640.006

Site: ~~TAF~~ 2004-73 Redo RO12615A

Site: JMT 2004-47 R012618A

Abandoned quarry on 22SE near curve
toward bottom of hill. 22SE starts W of
Gospart 10N 3W, 27 NW NW NW



4347970.144

522 655, 499

667. 501

Site

TAT 2004-45

R012618B

Along White River following 225 E, near
edge of Gosport Quad

Gosport, 10N, 3W, 28, SE NW NE



4347826.201
521767.096
586.498

Location → S of Stinesville

Site

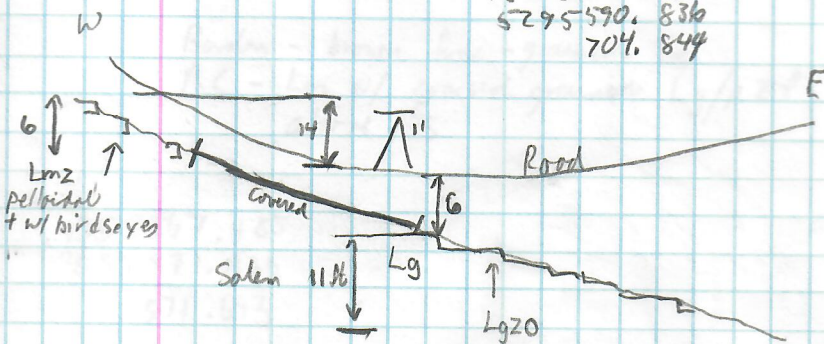
TAT 2004-46

R012620B

On Hedrick Rd east of Stinesville Rd in
closed drainage

Gosport, 10N, 2W, 29, NW NW NE

4348076.966
5295590.836
704.844



Thu 27 Jan 05

Location $\rightarrow$ N of Stearnville toward Gosport
on E side of White R

Purpose $\rightarrow$ same

People $\rightarrow$ Tom Thompson

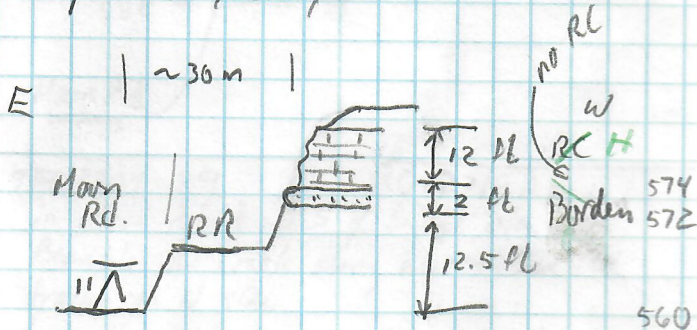
Weather $\rightarrow$ cold + Sunny

Site: TAD 2004-47

RO 12716A

On Main Rd, next to next to old RR
bed. West side of Main Rd.

Gosport 10N, 2W, 9 NE SW NW



Borden - brown fine-grained Ss

RC - Lm w/ coarsest grained Lg/pzt
above Ss

4352567.485

530 571.160

571.693

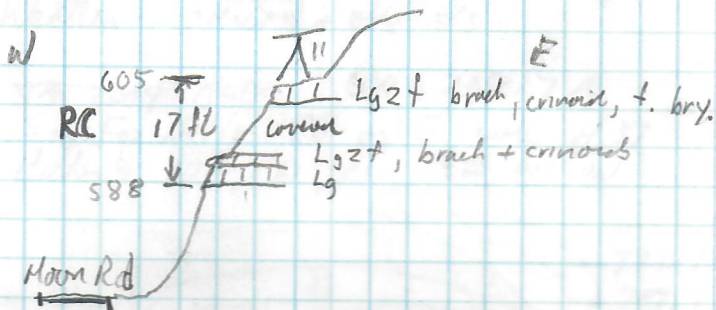
site

~~TA~~ 2004-48

RO12717A

close to end of Moon Rd as it joins
just before heading toward Gosport.
Gosport 10 N, 20, 32 NE SE SE

4354889.978
530108.595
616.431



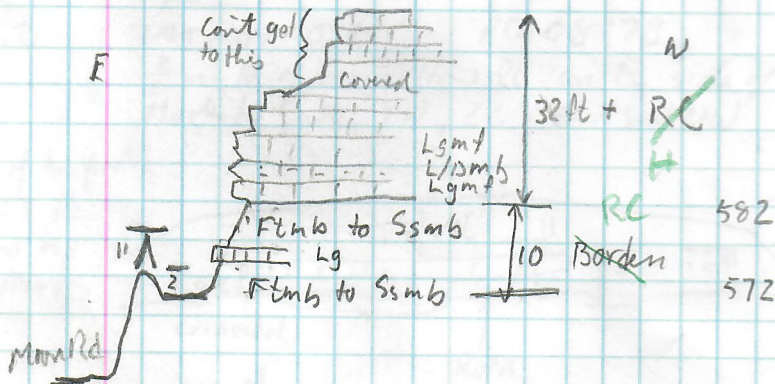
site

~~TA~~ 2004-49

RO12719A

On Moon Rd $\frac{3}{4}$ mi S of bridge over
Bearblossom Creek along abandoned RR
tracks on W side
Gosport 10N, 20, 9 NE SW NW

4357343.605
530634.614
585.831



Tues 8 Feb 05

Location → northern Monroe, along 37
and over to SE corner

Purpose → GPK inc, outcrops

People → Todd Thompson □, Brian
Keith, Christina James

Weather → overcast + cold, 30's

Site

TAT 2004-050

R020817A

S of Fox Hollow Rd on E side of 37

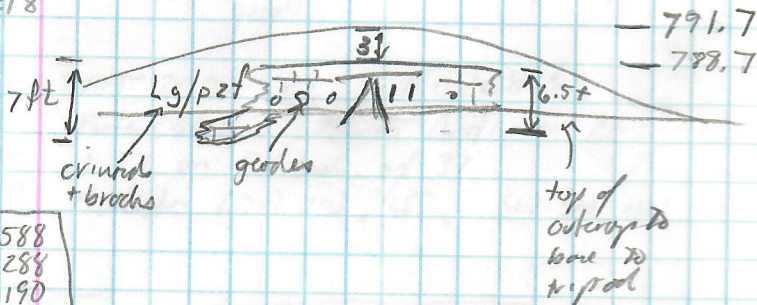
Modes to 10W, 1W, 21, SW NW NW

4348681.452

541436.303

793.218

Ramp
Creek



4349148.588

541600.288

799.190

- site:

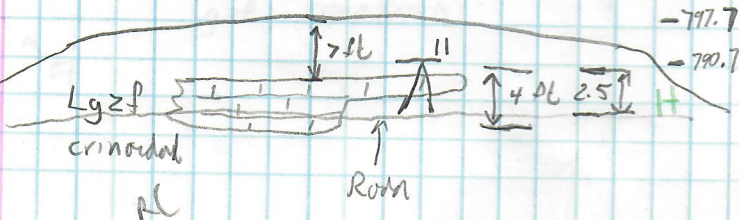
TAT 2004-051

R020817B

1/2 mi N of Fox Hollow Rd on E side of 37

Modes to 10, 1W, 22, NW SW NW

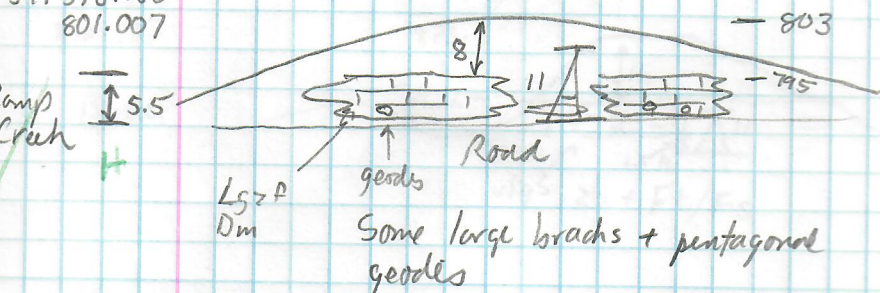
base of tripod
is 2.5 ft
below top
of outcrop



Site

TAT 2004-52 R020818A
 $\frac{1}{2}$ mi S of Norm Anderson Rd on E side of 37
 Modesto 10N 1W, 22, NW NW NW

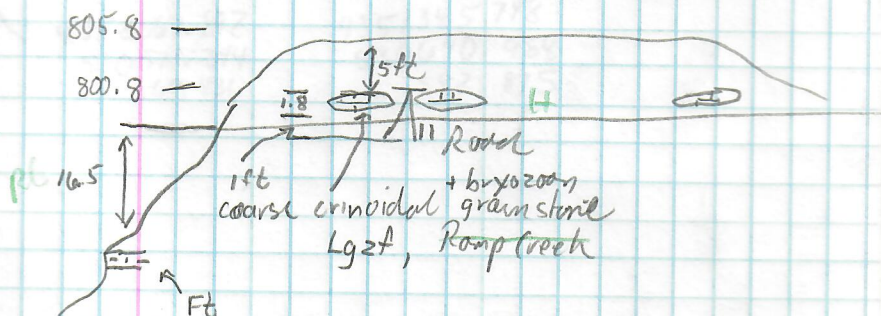
1349488.109
 541578.580
 801.007



Site

TAT 2004-53 R020818B
 Intersection of Norm Anderson Rd
 + 37 on E side of 37
 Modesto 10N 1W, 15, SW SW NW

1349908.464
 541528.710
 809.008



site

TAT 2004-54

R0208186

North of Chambers Rd where

Washington Twp water tower is

Modesto 10 N, 1W, 15, NW SW NW

350875.680

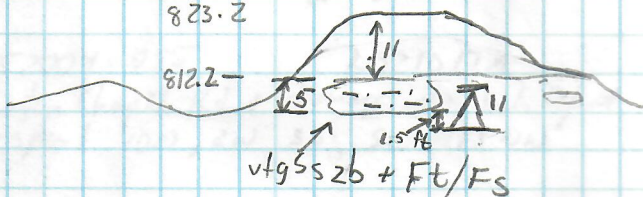
541731.878

816.705

823.2

Borden

812.2



site

TAT 2004-47 redo

R020820A

Site

TAT 2004-49 redo

R020820B

4352567.892

530571.344

569.436

4351345.748

530640.988

582.875

Thurs 10 Feb 05

Location → Saf Stevensville along small roads + drainages

Purpose → GPSing outcrops

People → Todd Thompson + Brian Keith

Weather → overcast + cold

site TAT 2004-055

RO21017A

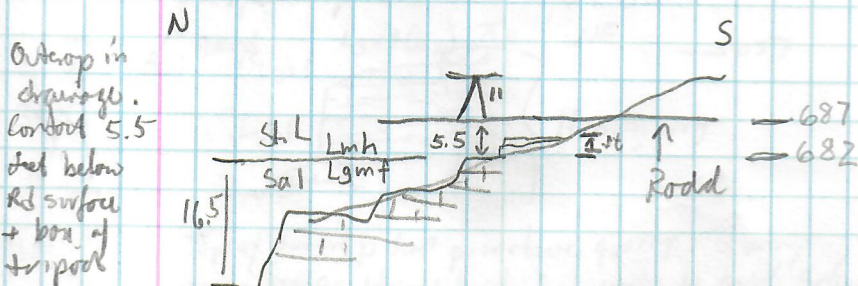
1/4 mi W → Chadin Chapel Rd + drainage into Jocks Defect
from Red Hill
Gosport 10N, 2W, 33, SW NW NW



site TAT 2004-56

RO210 18A

376491.621
530507.589
698.542
E side of Rodas Dr @ 7550 in drainage
Gosport 10N, 2W, 28, SW SW SE



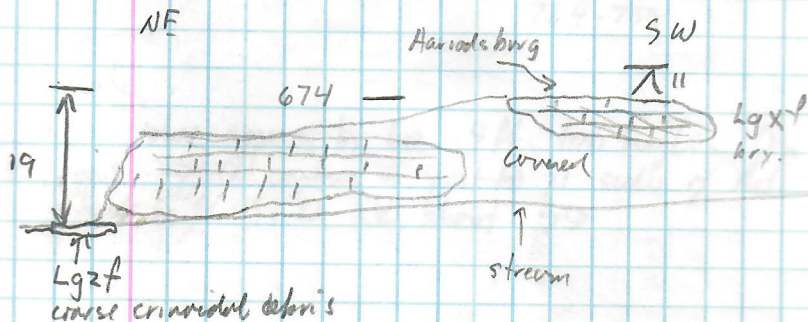
Site : ~~TAT~~ 2004-057 RO21019A
 S of Hedrich Rd on E end on drainage
 that leads into Jack's Defeat Creek

1347933.984

530136.030

685.588

Gosport 10N 2W 29 NE NE NE
 Exposure is along N side of drainage



Site : ~~TAT~~ 2004-058 RG21019B
 Red Hill Road where it crosses Jack's Defeat
 Creek @ the Power line

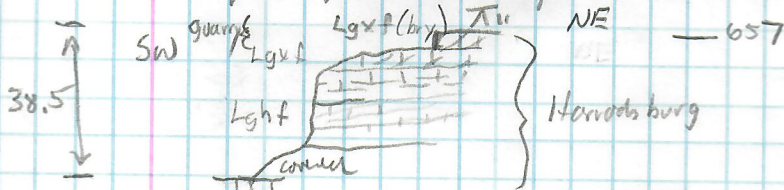
1347383.737

531202.235

668.751

Gosport 10N, 2W 28 NE SW SW

Exposure follows Jack's Defeat Creek

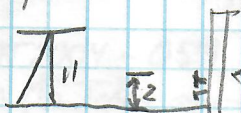


Top of outcrop has primitive quarry. Quarry
 is in upper Harrisburg but could be basal Sales.

Location: GPS near nails on Red Hill Road.
Nails were used to survey Bybee
cores from 2000. Measurement to upper nails.
Gospox 10N, 2W, Z1 NW SE SE

776.679

759



RO21020A

P.S.C. of I. Inc

764-730

value appears to be 9 ft too high. On
top of 750 contour is just to W side of Rd.
Upper nail should be about 750

8.2
5.5
3.7

Mon 14 Feb 05

Location → on Mt Tabar Rd

Purpose → GPS eng outcrops

People → Todd Thompson + Brian Keith

Weather → mostly cloudy, 50°s

Site

TAT 2004-059

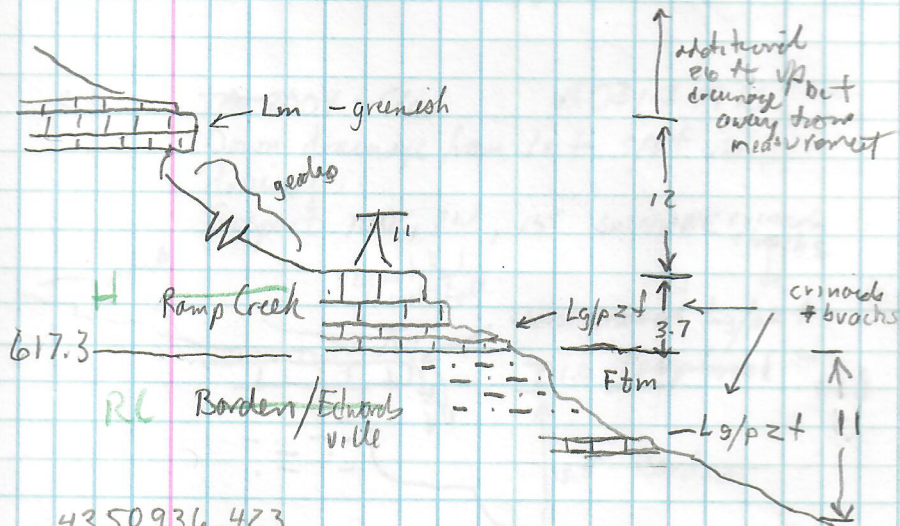
R021418A

On Mt Tabar going down hill to Jack's
Defeat Creek

Gosport, 10N, 2W, 16, NENE SE

SE

W



4350936.423

531807.202

631.802

Site

TAT2004-060

RO21419A

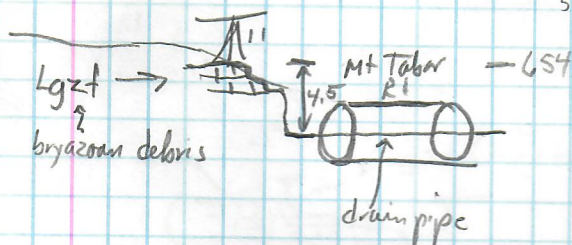
W of Mt Taber Rd @ 3707 driveway

Gasport 10N, 2W, 15, NW SW SW

4350468.465

531900.092

665.315



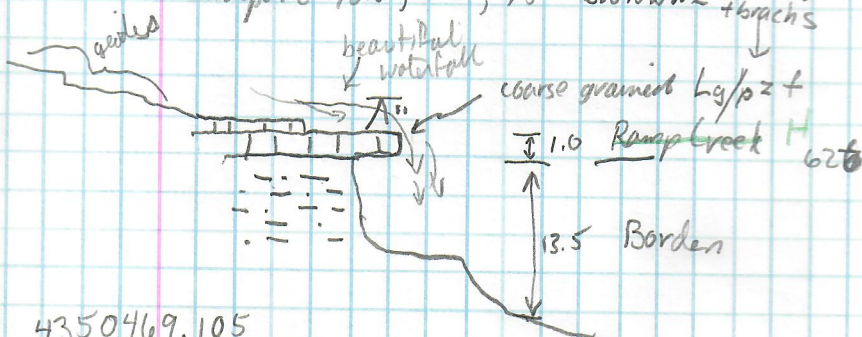
Site

TAT-2004-061

RO21419B

Down drainage from lot spot in drainage

Gasport 10N, 2W, 15 SWNWNW crinoids + brachs



4350469.105

532088.877

638.919

Site

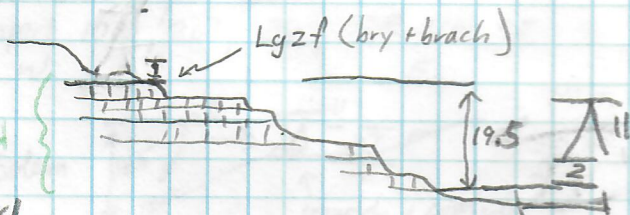
JAT 2007-062

Could not
get camera work

North of private drive in drainage
Floresta 10N, 2W, 22 NW SE SE
Est elev is 670 to 665

Use top for
location + elev
S

N



R0215186

4348862.638

532557.352

651.520

Tues 15 Feb 05

Location $\rightarrow$ SE of Stevensville on
MT Taker Rd

Purpose $\rightarrow$ same

people $\rightarrow$ Todd Thompson + Brian Keith

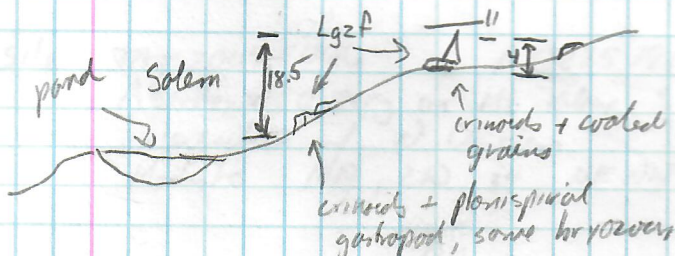
Weather $\rightarrow$ 50's, sunny + windy

Site TAT 2004-063

ROZ1518A

N. Side of Old Duck Church Rd descending
4346996.682 into Jack Rabbit Creek

531890.914 Gooport 10N, 2W, 28, SE NW SE
713.351 W E



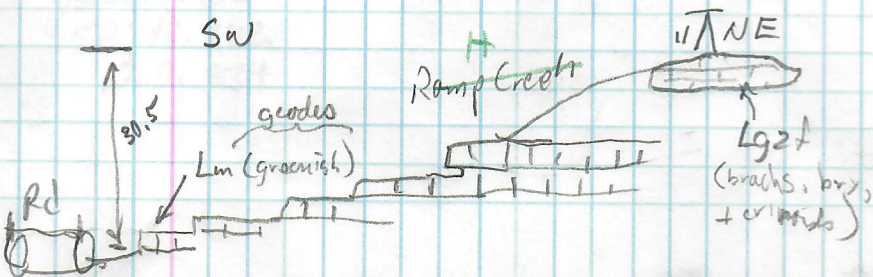
Site TAT 2004-064

ROZ1519A

4347609.350 SE Side of Barr Rd (400W RD) where

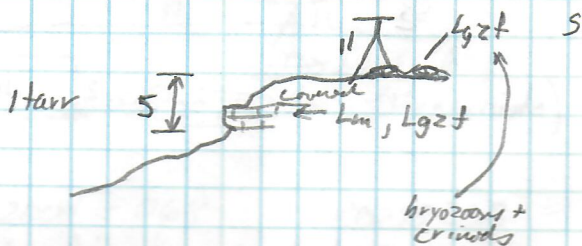
533587.694 road crosses drainage

660.039 Modesto 10 N 2W, 26 SW NW NW

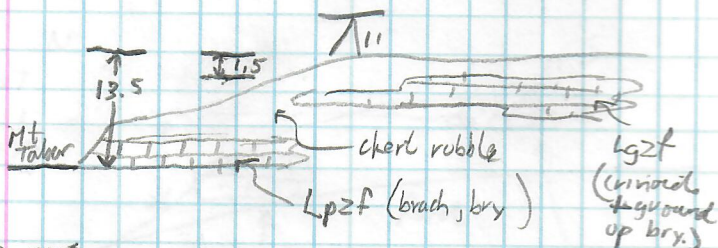


site ~~JAT~~ 2004-065 RO21519B
 Corner of Mt Taber + N Cowden Rd
 Modesto 10N, 2W, 27, SE SW SW

4346460.883 N
 532721.165
 717.622



site ~~JAT~~ 2004-066 RO21519C
 Abandoned quarry on Mt Taber S of
 intersection of N Cowden
 Modesto 10N, 2W, 34, NE NW SW



4346070.450
 532742.182
 760.834

site

TAT 2004-067

RO215-20A

7136 Mt Taber Rd, in front yard
Modesto 10N, 2W, 34, SE NW SW

4345314.496

532735.324

694.029



site

TAT 2004-068

RO215-20B

Mt Taber Rd, 10 mi S of bend in road
w/ Delay Rd

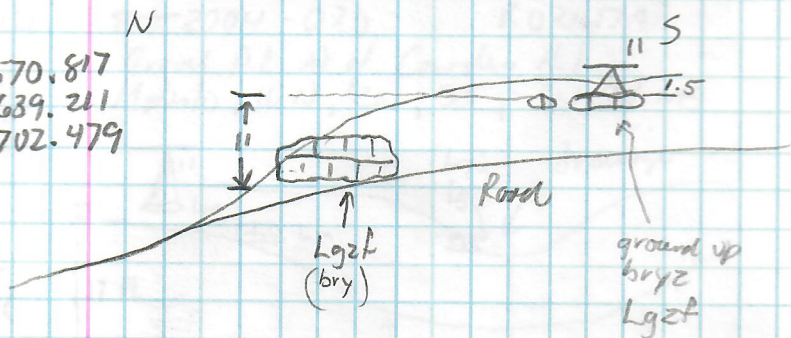
Bloomington 9N, 2W, 3, NW NE SE

Outcrop top on Bloom good and
extend to N into Modesto good

1344570.817

532639.211

702.479



Wed 16 Feb 05

Location $\rightarrow$ SW Modesto Area

Purpose $\rightarrow$ same

People $\rightarrow$ Todd + Brian

Weather $\rightarrow$ partly cloudy / low 40's

Purpose $\rightarrow$ some

People $\rightarrow$ Todd + Brian

Weather $\rightarrow$ partly cloudy / low 40°s

TAT 2004 - 069

RO21616A

Jenner Tree form off of Cowden Rd
in flower drains

Modesto 10N, 2W, 26, SW SW SE

more bry-rich
in stand up
drainage

4346551.901

534340.930

699,917

Harr
to RC

Hand-drawn diagram of a crane system. A crane with a pulley is lifting a load. The load is labeled "Lgzt (bry + brach)" and has a height of 1.5. The crane's arm is labeled "11" and has a height of 4. The crane is on a base labeled "43" and "5".

site

TAT-2004-070

R021617A

Grovel Rd N of Cowden Kt

Grovel Rd N of Cowden Rd
Modesto, 10 N, 2W, 35, SW SW NE

over
farr or
upper RL

Hand-drawn diagram of a drainage system on a hillside. A vertical line on the left is labeled "11 ft". A horizontal line at the top is labeled "Lm". A horizontal line in the middle is labeled "Lm". A horizontal line at the bottom is labeled "Road". A vertical line on the right is labeled "drainage". A small structure is labeled "(bry) Lg2f". A small structure is labeled "Lm".

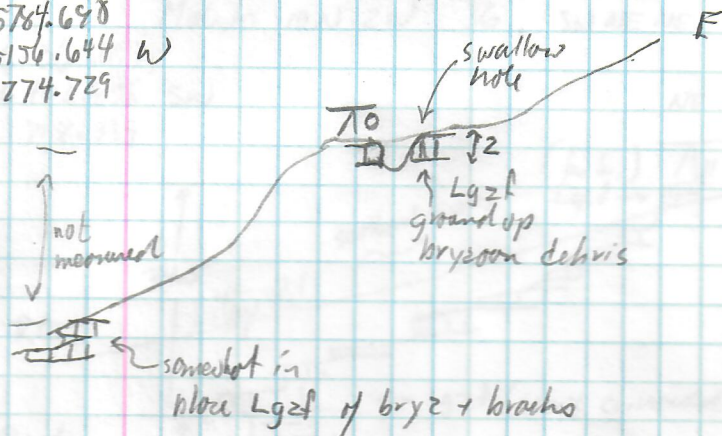
$$\begin{array}{r} 4345662.980 \\ 534399.978 \\ 797.019 \end{array}$$

site ~~TAT~~ 2004-071 ROZ1617B
 End of J. Slausent Lane @ 4134
 Mud to 10N 2W, 35 SESE NE

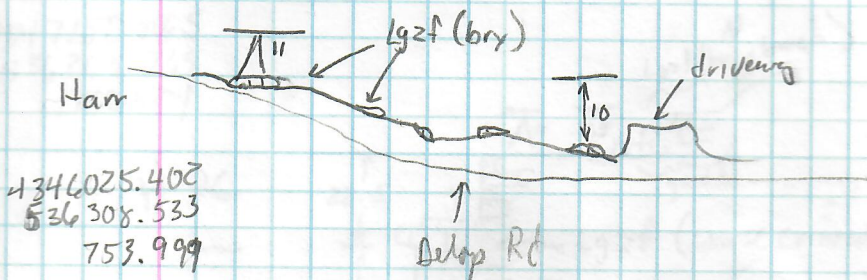
345784.698

535156.644 W

774.729



site ~~TAT~~ 2004-072 ROZ1618A
 Outcrop in yard @ 3515 Delap Rd
 Mud to 10N, 2W, 36 SE NWNE
 Est elev is 756



4346025.408

536308.533

753.999

Site

TAT 2004 - 073

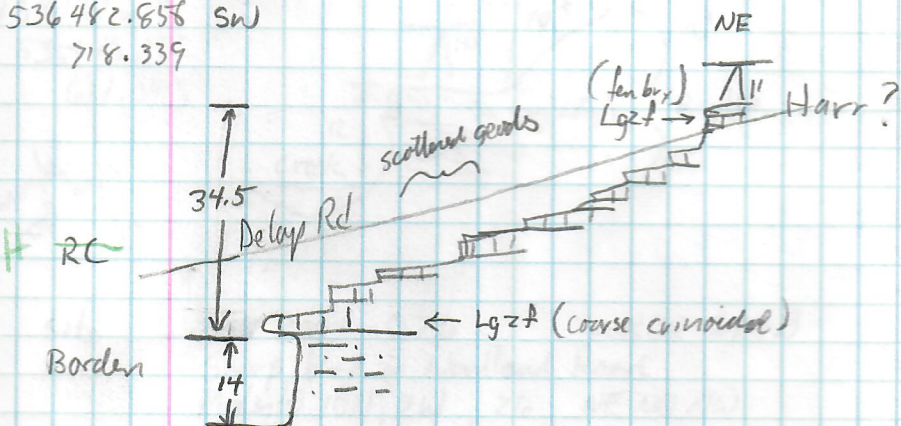
RO216 18B

Waterfall on Delap Rd going down into
Bean blossom Creek
Modesto 10N 2W, 36, SW NE NE

1346136.097

536482.858 SW

718.339



Site:

TAT 2004 - 074

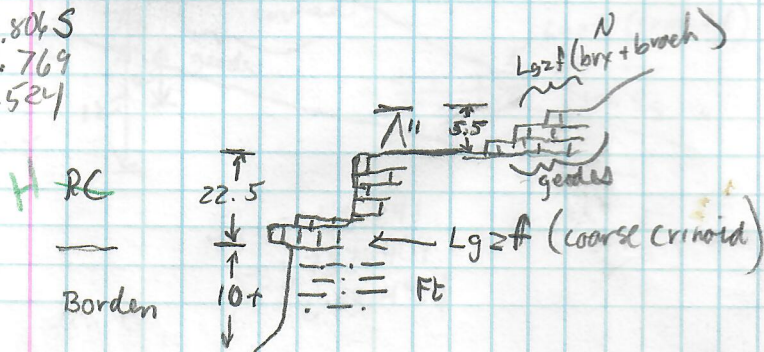
RO216

On Woodland Rd @ major bend in Rd.
Modesto 10N 2W, 25 NE NW SE

4347150.8045

536264.769

700.524



side

TAT 2004-075

RO21619A

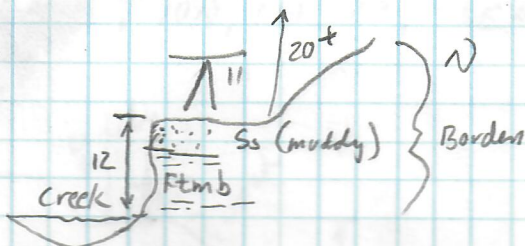
Woodland Rd by bridge over Bear blossom
Creek @ confluence w/ unnamed creek
Modesto 10N 2W 24 SW SW SW

1348170.394

535140.292

611.343

maybe
too high

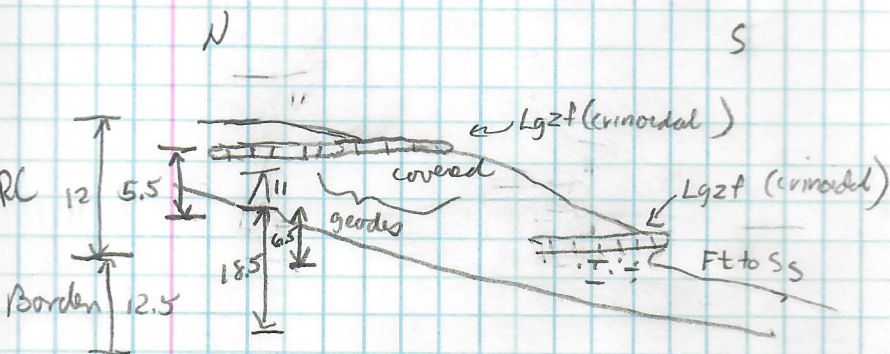


site

TAT 2004-076

RO21619B

Sharp bend in Woodland Road
Modesto 10N, 2W, 26, NE NW NW



RC

Borden

4348068.241
533737.409
643.494

Site

TAT 2004 - 077

R021620A

On Williams Road about $\frac{1}{2}$ way between
Simpson Chapel + Bottom Road, $\frac{1}{2}$ mi

E of Hacienda

Modesto, 10N, 1W, 29, SE NE NW

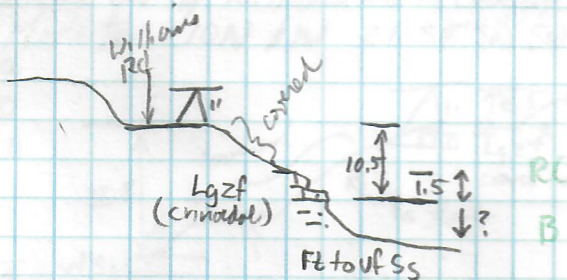
3476999.968

539133.416

740.342

N

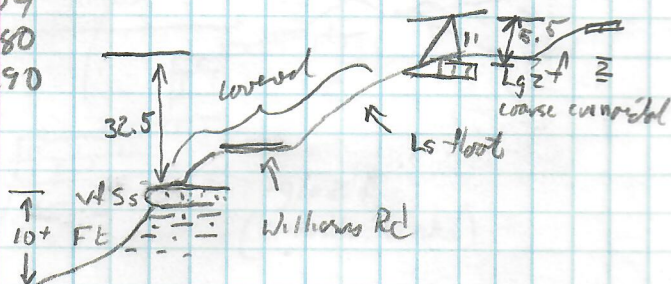
S



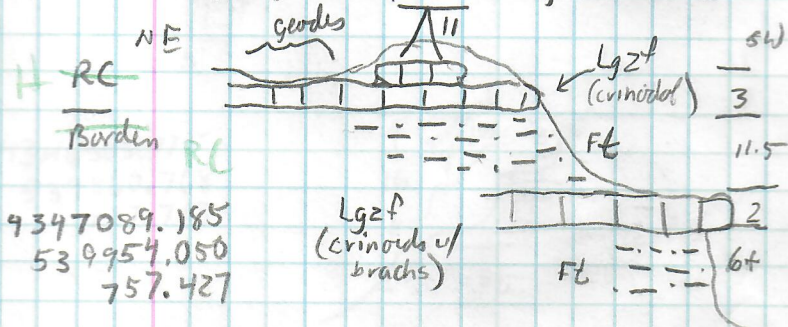
Friday 18 Feb 04
 Location → SE corner of Modesto Quad
 People → Todd Thompson & Brian Keith
 Purpose → same
 Weather → cold, partly sunny, low 30's

Site : TAT 2004-078 RO218164
 Egan end of William Rd in drainage on both sides
 Modesto 10N 1W 21 SE SW SW

4348033.009
 540217.980
 752.290



Site : TAT 2004-079 RO218174
 Drainage along Modesto Road (750N Rd)
 Modesto 10N, 1W, 29, NENE SE



9347089.185
 539954.050
 757.427

Site

TAT 2004-080

R021818A

S end of Lawson Rd, drainage near bend of Rd

Modesto 10 N 1W, 28 S W SE SW

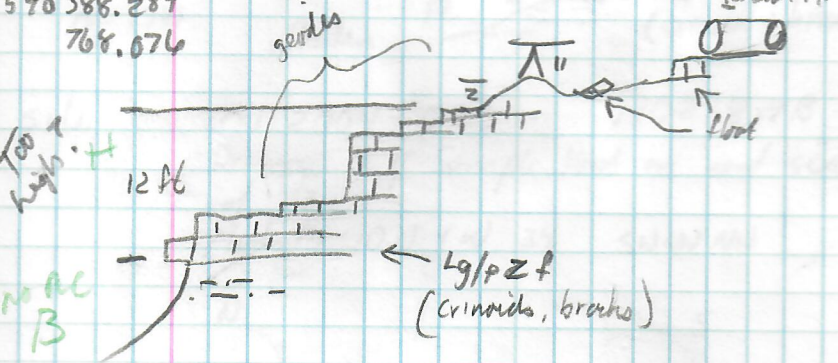
E

W

1346459.776

548388.284

768.076



Site

TAT 2004-081

R021818B

Lawson Rd @ 1725 in drainage over white fence

Modesto 10 N 1W, 32 NE NE NE

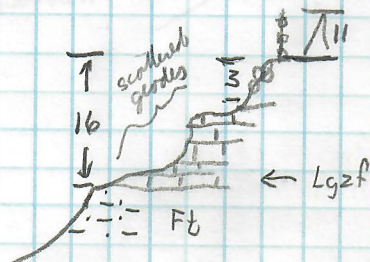
S

N

4346303.775

539860.768

727.713



vid. OK
not definite
RC vs H. Box 3109

side

TAT 2004 - 082

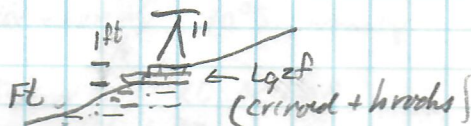
RO21819A

Private dirt road off of Bottom Rd near
top of hill in ditch beside road
Modesto 10N 1W 32 NW NE SE

4345549.769
539631.668
705.781

RC(H)

Borden



site

TAT 2004 - 083

RO21819B

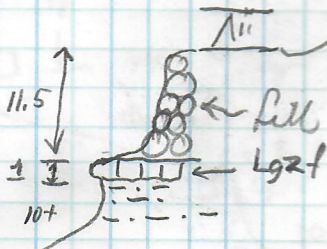
Drainage N of Sample Pond on east side
of 37
Modesto 10N 1W 34 SW NW NW

N

S

4346112.663
541769.212
750.892

RC
Borden



not definite
RC vs H. Box 3109

Wed 2 Mar 05

Location $\rightarrow 37 + \text{Barma Rd}$

Purpose $\rightarrow$ same

People $\Rightarrow$ Brian Keith, Todd Thompson
+ John Day 0

Weather $\Rightarrow$ clear + sunny, 30°S , windy

Site

TAF 2004 - 84

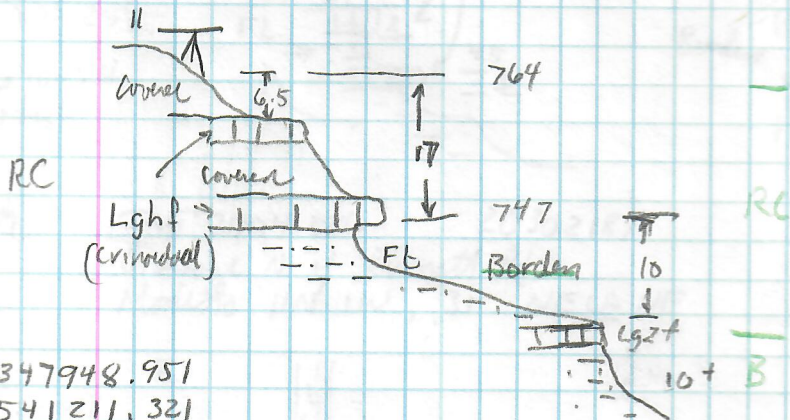
R030216A

Off of Duxberry Rd + 37

Off of Duxberry Rd + 37
10N 1W, 28 NW NE NE

2

3



4347948.951

541211, 321

775.080

site

TAT 2004-85

RO30217A

Salem Rd where it crosses the pipeline
Modesto 11N, 1W, 32 NENE BW

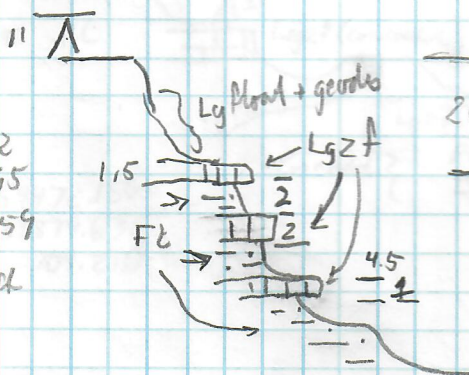
S

N

not definitive for
top of RC
50K 3109

4355165.722
538739.165
835.259

seems 10-15 ft
too high



25 FL RC H
— — —
Burdens RC
— — —
H

site

TAT 2004-086

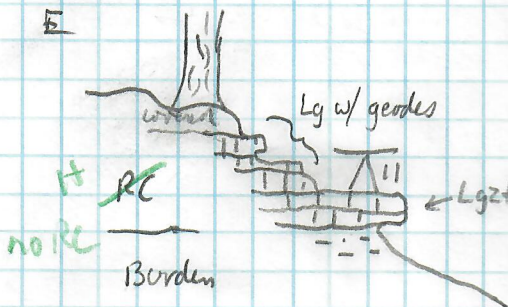
RO30218A

Drainage N of Burnett Rd
Modesto 11N 1W, 31 NESE NE

E

W

4355563.507
537857.526
778.826



H RC
no RC

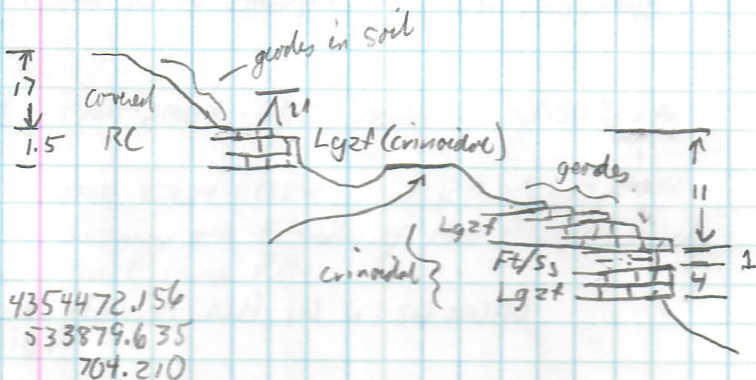
7 unc
7 } 12 RC
7
5
10+

site

~~TAT~~ 2004-087

R030219A

On N side of 375W Rd crossing drainage
Modesto 10N 2W, 2 NE NW



Thur 03 Mar 08

Location → Burma rd and west

Purpose → same

People → Brian Kerth + Todd Thompson

Weather → clear + sunny, cool, no breeze

4355167.153

538739.448

813.074

Site: TAT 2004-085 redo RG30316A

Site: TAT 2004-088 RG30317A

Drainage on E side of Mt Pleasant Church
on Burma Rd.

4353412.882

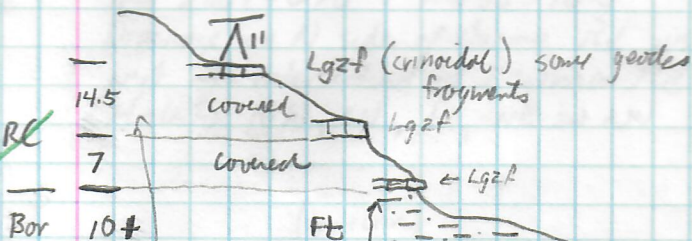
536785.815

758.116

Made to 10N 1W 6 SW NW 5W

747

H
RL
RL



may not be highest Ls
above FL of Borden. More
up to north if needed.

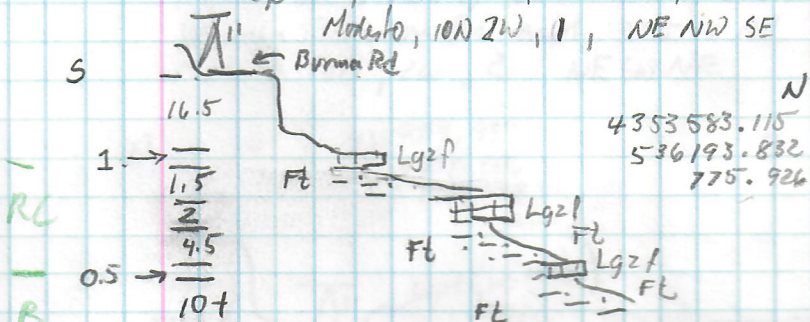
some fraction
it is higher due
to covered
interval 3/19

site TAT 2004-089 R030318A
Drainage N of Burma Rd, 7 mi W of intersection
Modesto, 10N 2W, 1, NE NW SE
S  Burma Rd

2030318A

Drainage N of Burma Rd, $\frac{1}{4}$ mi W of intersection

Modesto, 10N 2W, 1, NE NW SE



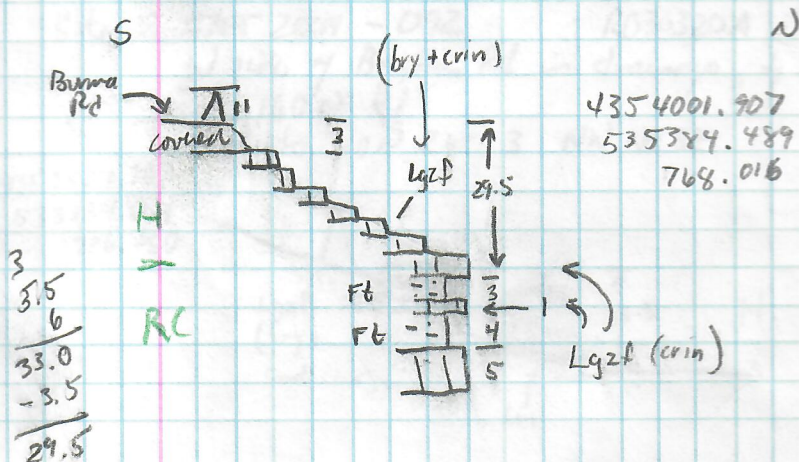
Site

TAT 2004-090

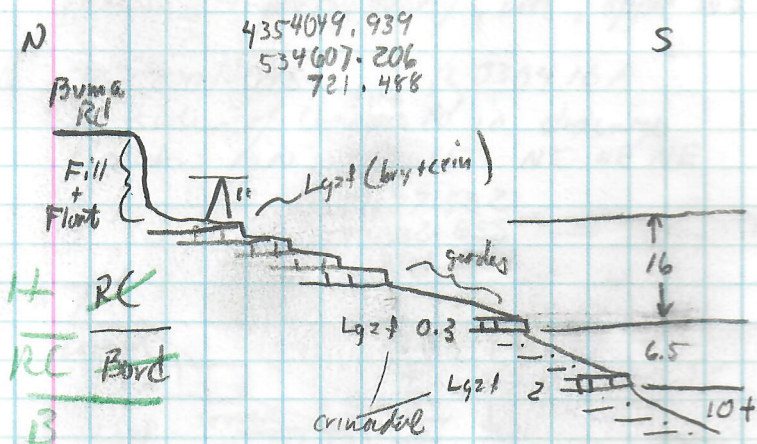
R030318B

Drainage on N side of Burma Rd just west of intersection w/ Bowman Rd.

Modulo 10 N, 2W, 1, NE SW NW

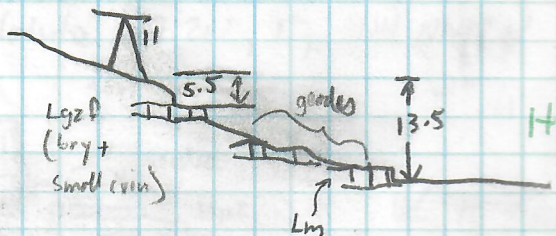


Site TAT 2004-091 R030319A
 Drainage on S side of Burma Rd, $\frac{1}{2}$ way
 between Bourman Rd and 375 W Rd
 Modesto 10N, 2W, 2 NESW NE



Site : TAT 2004-092 R030320A
 W side of Brighton Rd in drainage, $\frac{1}{4}$ S
 of 160 N Rd
 Modesto 10N 2W 3 NW NESE

4353527.787
 533154.064
 726.360



Fri 4 March 05

Location → East of 37 near water tower
then NW corner of Modesto Q.

Purpose → same

People → Brian Keith + Todd Thompson

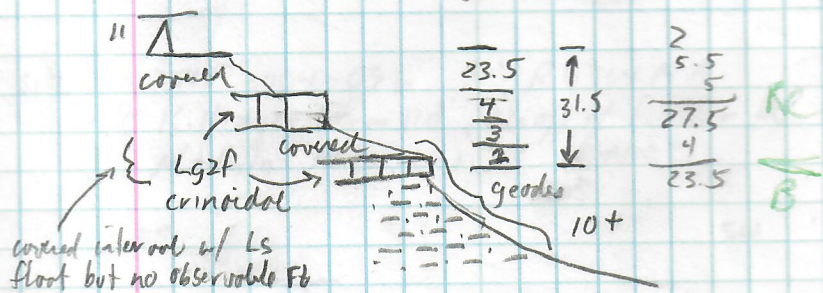
Weather → partly sunny, cool, upper 30's

Site TAT 2004-093 pike R 030416A
N side of Chambers Rd in drainage
Modesto 10W, 1W, 15 NE NE NE

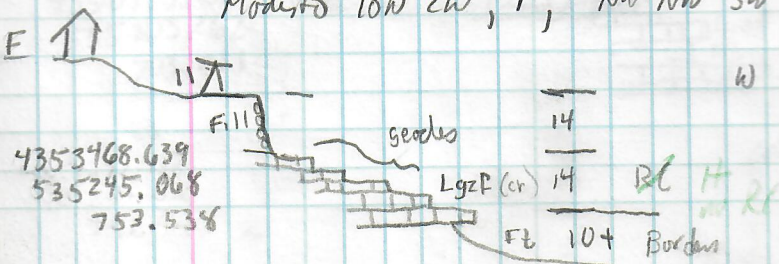
4351177.532
543032.655
861.282

S

N



Site TAT 2004-094 R030418A
West side of Bowman Rd near 70° bend
in Rd.
Modesto 10W 2W, 1, NW NW SW



site

TAT 2004-095

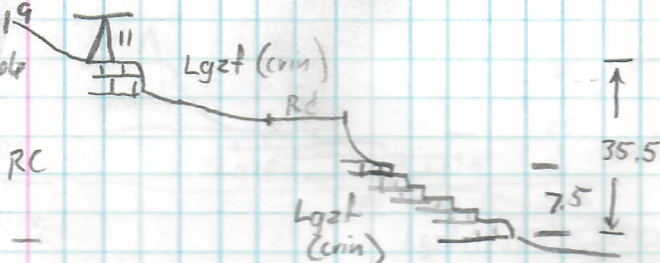
R030418B

Drainage that crosses Liberty Hollow Rd
Modesto 10N 2W, 2 SW NE NW

4353682.683

533909.619

730.366



site

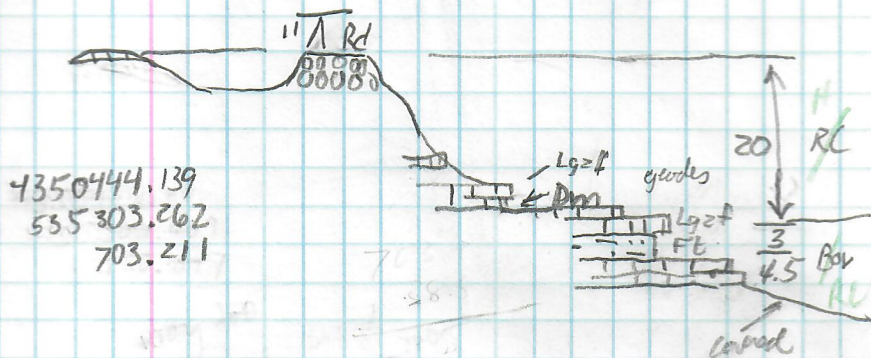
TAT 2004-096

R030419A

Killinger Farm Rd, N off of Prather Rd
Modesto 10N 2W 13 NE NW SW

NE

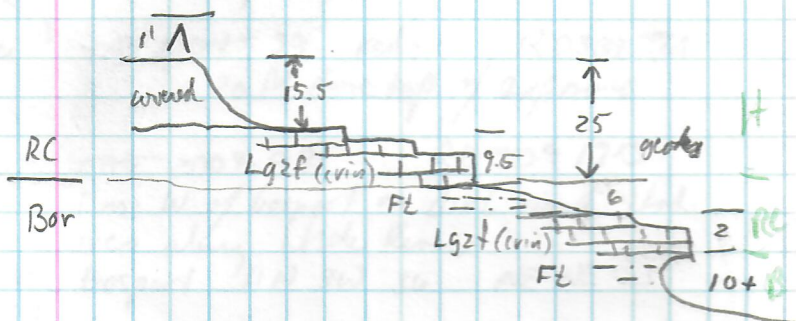
SW



site

~~TAT~~ 2004-097

Drainage on w side of Buskirk Rd
Modesto, 10N, 1W, 17, SE SW SW



4349804.122
538711.215
767.445

LSD should
be lower to 630 than
615

Wed 9 Mar 05

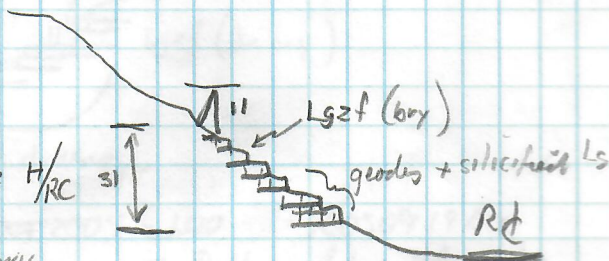
1352208.4011 Location → near Gasport
526 992.523 Purpose → same
625.510 People → Brian Keith + Todd Thompson
Weather → partly sunny, cold in 30°

site TAT 2004-39 redo R030917A
20 ft above top of asphume

site TAT 2004-98 R030917B
1 mi. W of Gasport on dirt road that
arcs along White River
Gasport 11N 3W 36 NE NE SW

355167.203
526120.553
606.126

Thin bedded
w/ abundant bryz H/RC 31
but some beds
of crinoidal debris
+ brachiopods. Thin bedded + coarse
grained



site

TAT 2004-099

RO309181

Along power line $\frac{1}{4}$ mi west of cul-de-sac

Gosport 11N 3W 35 SE NE SW

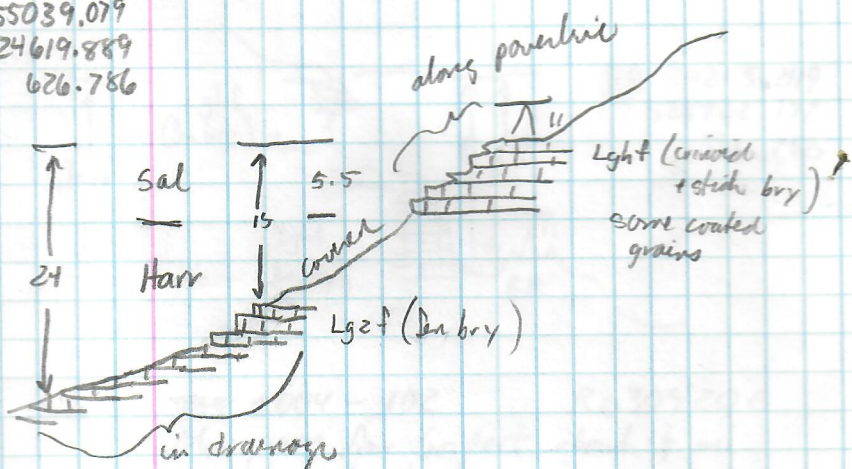
SE

NW

1355039.079

524619.889

626.786



site

TAT 2004-100

RO30919A

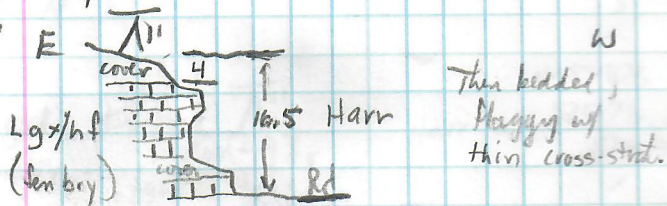
NE corner of Dullman Rd + RR tracks

Gosport 11N 3W 35 SW SE SW

1354602.264

524334.756

592.757



site

2004-101

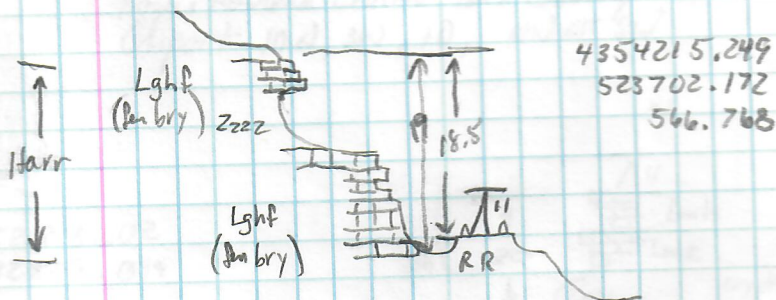
RO30919C

On tracks from Gosport, $\frac{3}{4}$ mi N of
Romona

Gosport 10N, 3W, 3 SE NE SE

NW

SE



site

2004-102

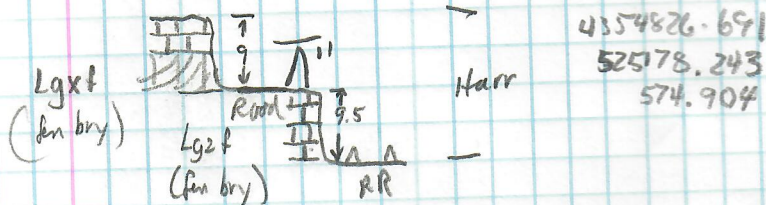
RO30920A

Along road from Gosport about $1\frac{3}{4}$ mi
W of Gosport where road goes over
RR trestle, near BM + pavilion

Gosport 14N, 3W, 35 NW SE SE

N

S



Thu 10 Mar 05

Location $\rightarrow$ N of Spencer @ Ramona

Purpose $\rightarrow$ same

People $\rightarrow$ Todd Thompson + Brian Keith

Weather $\rightarrow$ overcast, cold, snow flakes

Site

TAT 2004-103

R031017A

Royus Ramona Crushed Stone Quarry

Obsport 10 N, 3W, 10, NW NE SW

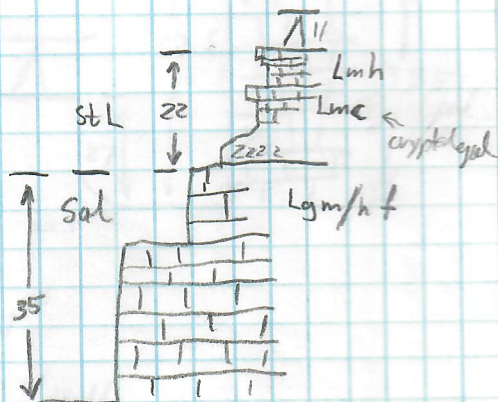
E

W

4352123.602

522829.099

636.496



side

7/17/2004 - 104

RO31018A

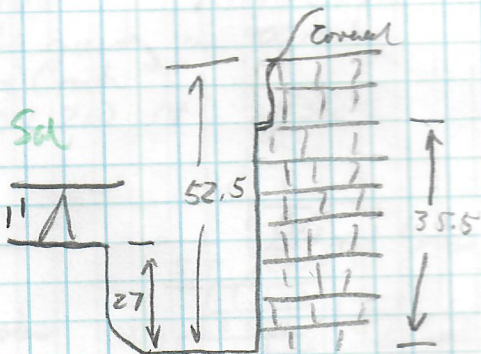
Devonian stone Ramona Quarry

Gas pit 10N, 3W, 10 NEAE NW

E

W

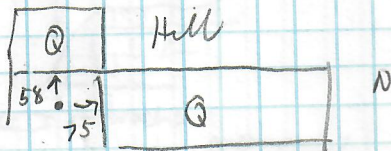
4352893.016
523043.733
592.055



75' N
58' W

W

523061



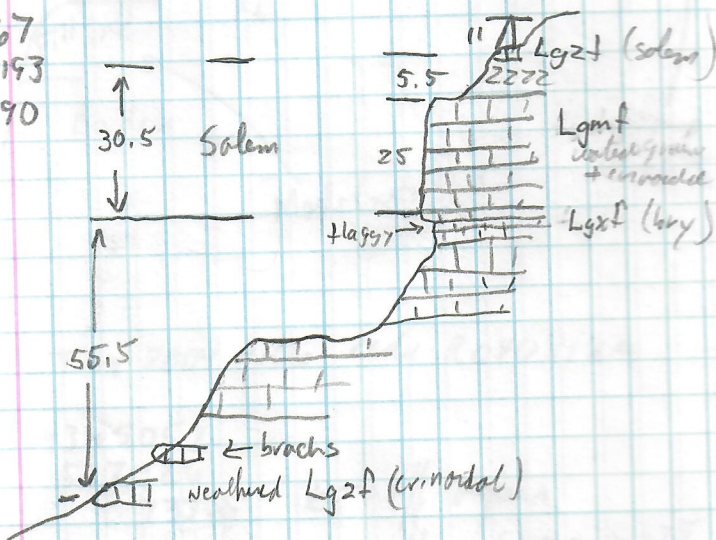
E

4352916

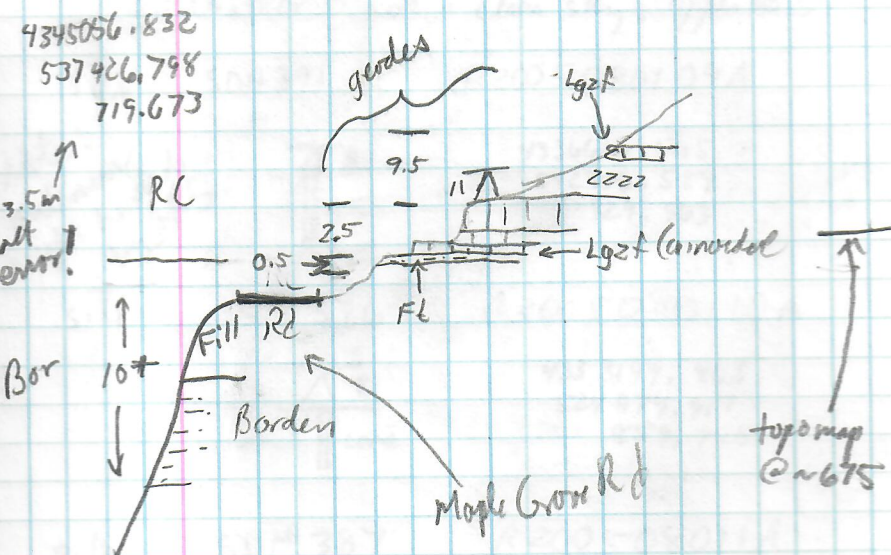
Location → Bottom Rd + Rd on other side
 of Bearblowson
 Purpose → GPSing outcrop
 People → Todd + Brian
 Weather → clear, sunny, lower 70s

site ~~TAT~~ 2004-105 RO40517A
 Abandoned Ls quarry on 900 N by
 Bearblowson Creek
 Modesto 10W 2W 14 SE SW SE

4349842.467
 534518.193
 760290



Site TAT 2004 - 106 R 040518A
 Drainage on Maple Grove between 6910 + 7000
 Modulo 100, 1W, 31, N₁₅E 5W



site TAT 2004 - 106 red R 040818A

4345052
 537426
 733.5

← off again
 Map shows ~675