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Rite in the Rain®
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3/9 - 3/13/15

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PAGE	REFERENCE	DATE

3/9/15 MINGUS G. ROUSSOS

0650 G. ROUSSOS + M. LINK ONSITE DISCUSS SCOPE OF WORK. M. LINK WILL COLLECT SURFACE SOIL SAMPLES + G. ROUSSOS WILL OVER SEE EXCAVATIONS. WEATHER IS 40°F, SUNNY, LITTLE TO NO WIND, HIGH OF 70°F EXPECTED FOR TODAY. ONE MAN PRESENT ONSITE APPEARS TO BE SCRAPPING METAL

0730 TOM PALMER (USFS) + ANDY B (USFS RANGER) ONSITE TO SET UP ROAD CLOSURE. THEY TALK WITH UNKNOWN MAN AND EXPLAIN CLOSURE ORDER

0745 CALIBRATE MULTIRAE RFN 23570 WITH STANDARD MULTIGAS AND ISOBUTYLENE VOC ppm

CALIBRATED: H_2S = 25 ppm
LEL = 4 %
CO = 51 ppm
O_2 = 20.9 %
VOC = 99 ppm

3/9/15 MINGUS G. ROUSSOS

~~0810 MP~~

0815 ANNE FISCHER (USFS) ARRIVES ON SITE

0840 MP ENVIRONMENTAL ARRIVES, WILL WALK EXCAVATOR MOST OF THE WAY TO THE SITE DUE TO WASHED OUT ROAD. TOM PALMER CAUTIONS MP TO REMOVE ALL EQUIPMENT FROM SITE EVERY DAY.

0910 G. ROUSSOS COMPLETES GPS MARKING ALL AREA-1 EXCAVATIONS. M. LINK COLLECTING BACKGROUND SAMPLES

0920 H+S SAFETY MEETING, TALKED ABOUT GENERAL EXCAVATION SAFETY, LEVEL C PPE, & SLIPS TRIPS & FALLS

0930 ARRIVE AT MW-ES 3 + BEGIN TO DIG

0-6 photo 354 + 355 looking west, beginning to dig. Brown, moist soil, no evidence of unnatural material BZ= 0 ppm VOCs

Rite in the Rain

3/9/15 MINGUS G. ROUSSOS

6-12 SAME AS 0-6, SMALL BOXSPRING REMNANTS FOUND (PHOTO 356, FACE EAST)

0945 SAMPLE MA-ES3-1 COLLECTED

0950 BEGIN 2-3' INTERVAL
MISC. METAL / WIRE / DEBRIS PRESENT (PHOTO #357 FACING EAST)
BROWN / DARK BROWN MOIST SOIL, GRAVEL PRESENT (PHOTO #358 FACING EAST)
@ ~24 in little to no debris
METAL BEER CANS @ ~36"
(PHOTO #359 FACING NORTH)
SOIL BEGINING TO DRY OUT AROUND 36"

1008 SAMPLE MA-ES3-2 COLLECTED

1010 START TO DIG TO 5'. OLD WOOD SCRAPS + PIPE AROUND 40"
(PHOTO 360 + 361 FACING N)
SCRAP GLASS BOTTLES, CLOTHES, TRASH BAGS, SCRAP METAL, STYROFOAM, BAGS OF ASH, HOT WATER HEATER
MANY GLASS BOTTLES, TIRES

1025 ANN FISCHER PLACED CALL

Scale: 1 square = _____

3/9/15 MINGUS G. ROUSSOS

+ LEFT MESSAGE FOR TOM PALMER ABOUT WHAT TO DO WITH LARGE TRASH OBJECTS. WE WILL LEAVE PITS OPEN UNTIL GIVEN DIRECTION, WILL CLOSE BEFORE LEAVING SITE ——— SM

1030 SAMPLE MA-ES3-5 COLLECTED

1035 GPS 1459 - 1463 OUTLINE EXCAVATION ——— SM
PHOTO 368 - WEST WALL
PHOTO 369 - NORTH WALL
PHOTO 370 - EAST WALL
PHOTO 371 - SOUTH WALL
PHOTOS 372-376 SHOWS EXAMPLES OF EXCAVATED TOSH ——— SM

1048 ARRIVE & START DIGGING MA-ES4
PHOTO #377 (VIEW N) SHOWS ROPE @ SURFACE LEVEL ——— SM
##BACKNOTE BZ + HEADSPACE FOR ALL ES3 WAS 0ppm ———
OLD CARPET WAS ON SURFACE, OIL FILTER + CLOTHING IN 0-1'. BZ + HEAD SPACE =0 ppm. PHOTO 378 SHOWS PILE OF SOIL

Scale: 1 square = _____

Rite in the Rain

3/9/15 MINGUS G. ROUSSOS

FACING NORTH. DARK BROWN & MOIST.

1103 SAMPLE MAI-ES4-1 collected.

1105 BEGIN TO DIG TO 3'. PHOTO # 379 & 380 (VIEW N) SHOW LIGHT AMMOUNT OF PLASTIC, GLASS, & METAL debris. PHOTO #381 shows GLASS & wood debris @ 2-3', (FACING W)

1123 MAI-ES4-3 collected

1125 BEGIN TO DIG TO 5'. PHOTOS #382-384 SHOW PLASTIC & GLASS WASTE FROM 3'. SUSPECT ROOFING MATERIAL w/ FIBERS & WOOD DEBRIS ASWELL.

PHOTO 385 FACING NW SHOWS W SIDE OF WALL & WOOD / PLASTIC DEBRIS. PHOTOS 386-387 SHOW WASTE PILE & EXCAVATOR, & PERSONELL (VIEW E). PHOTO # 388 2 tires & tire iron / car jack.

1144 Sample MAI-ES4-5 collected

1145 GPS 1464-1467 out line excavation

Photo 389 - west wall

390 - South wall

Scale: 1 square = _____

3/9/15 MINGUS G. ROUSSOS

391 - EAST WALL

392 - NORTH WALL

* TRASH APPEARS TO EXTENTS IN ALL DIRECTIONS, NO VOC Readings

1155 BEGIN TO DIG ES-9

PHOTO #393 (VIEW N) begin ES-9 0-6" brown moist soil, no evidence of HAW yet. Around 12", scraps of cloth & one piece of scrap metal found.

1205 SAMPLE MAI-ES9-1 collected

1208 START TO DIG TO 3'. PHOTO # 394 shows paper, wood, & glass debris @ ~ 24".

PHOTO #395 WASTE PILE w/ metal & glass debris. (VIEW IS EAST)

Photo #396 view =NE, shows #9 @ 2-3' deep.

1219 SAMPLE MAI-ES9-3 collected

1221 begin to dig to 5'

photo #397 shows 2 tires, one has wheel & was from ~4'. (VIEW NE)

PHOTO #398 shows pit ~4' deep (VIEW N) wood / glass / paper debris

Scale: 1 square = _____

Rite in the Rain

3/9/15 MINGUS G. ROUSSOS

*NOTE SOIL SEEMS TO dry out AROUND 3' —MR
3-5' PLASTIC BAGS, SMALL PIECES OF SCRAP METAL & WOOD. —MR
PHOTO # 399 SHOWS SCRAP METAL PIECE 5 3'x3' (VIEW = EAST)
1243 SAMPLE MA1-ES9-5 collected *EXTRA VOL. FOR MS/MSD —MR
1245 GPS 1468 - 1471 show excavation
— Photo #400 - N. WALL
— 401 - W. WALL
— 402 - S. WALL
— 403 - E. WALL
*NO PID HITS IN BZ OR HEADSPACE
1255 ARRIVE AT MA1-ES10, BEGIN TO EXCAVATE TO 1'. —MR
PHOTO # 404 (VIEW E) SHOWS STARTING EXCAVATION. —MR
0-6" dark soil, damp, topsoil NO evidence of trash. —MR
PHOTO 405 SHOWS 0-1' clean soil (View = SE) —MR
1305 MA1-ES10-1 collected —MR
1307 BEGIN TO see PLASTIC AROUND

Scale: 1 square = _____

3/9/15 MINGUS G. Roussos

2' bgs. Few cans / glass bottles / metal wire found 2-3' bgs. —MR
Much less than previous excavations
1321 SAMPLE MA1-ES10-3 collected —MR
1325 BEGIN TO EXCAVATE TO 5', THERE IS A DRY LAYER VISABLE ON SIDEWALL 1-2' bgs. SHALLOWER THAN OTHER EXCAVATIONS. —MR
3-4' SOME PLASTIC SHREDDED WASTE, metal pipe.
PHOTO 0406 shows plastic waste (view E)
PHOTO 0407 shows plastic & metal pipe (view S)
PHOTO 0408 shows metal scrap in S side wall —MR
1340 SAMPLE MA1-ES10-5 collected
1345 GPS # 1472 - 1475
photo # 0409 W. WALL
0410 S WALL
0411 E WALL
0412 N WALL —MR
1351 Arrive & begin to EXCAVATE MA1-ES5 —MR

Scale: 1 square = _____

Rite in the Rain

3/9/15 MINGUS G. ROUSSOS

PHOTO # 0413 (VIEW E) SHOWS 0-1'. CLEAN, DARK BROWN MOIST SOIL, NO TRASH.
1356 SAMPLE MA1-ES5-1 COLLECTED
1358 BEGIN TO EXCAVATE DOWN TO 3'
PHOTO 414 & 415 SHOW EXCAVATION & PILE (VIEW E) PLASTIC WASTE ENCOUNTERED 1-2' bgs.
1408 SAMPLE MA1-ES5-3 COLLECTED
1409 JUST AS 3' IS PASSED, TIRES (3) STYROFOAM, GLASS BOTTLES ENCOUNTERED
PHOTO 416 SHOWS JUST PAST 3' MORE OF THE SAME, PLUS METAL SCRAP @ 3-4' bgs.
PHOTO 0417 (VIEW N) SHOWS WASTE PILE FROM 3-5' W/ HEAVY TRASH
ROLL OF BARBED WIRE @ 4-5'
1430 GPS 1476 - 1479 OUTLINE EXCAVATION
PHOTO 418 - E WALL
419 N WALL
420 W WALL
421 S WALL
1425 SAMPLE MA1-ES5-5 COLLECTED

Scale: 1 square = _____

3/9/15 MINGUS G. ROUSSOS

1435 MOVE TO MA1-ES1, BEGIN TO EXCAVATE TO 1'.
TOM PALMER ONSITE W/ TRAILER TO LOAD UP LARGE TRASH OBJECTS
PHOTO # 0422 SHOWS BEGINNING OF EXCAVATION & TRAILER IN BACKGROUND (VIEW S) 0-1' DARK BROWN MOIST SOIL, NO SIGN OF TRASH OTHER THAN SURFACE SHOOTING DEBRIS.
1442 SAMPLE MA1-ES1-1 COLLECTED
1443 BEGIN TO EXCAVATE TO 3' bgs
PHOTO # 0423 SHOWS EXCAVATION @ 1-3' bgs, NO SIGN OF TRASH. NO TRASH DOWN TO 3'
1455 SAMPLE MA1-ES1-3 COLLECTED
1500 NO TRASH IN HOLE, REFUSAL @ ~~4.0~~ 4.0'
1505 SAMPLE MA1-ES1-4 COLLECTED
1510 GPS # 1480 - 1483 OUTLINE EXCAVATION
Photo # 424 - ~~S~~ N. WALL
425 E WALL
426 N WALL
427 W WALL
1512 BEGIN TO BACK FILL HOLE.

Scale: 1 square = _____

Rite in the Rain

3/9/15 MINGUS G. ROUSSOS

1515 ANNE FISCHER OFFSITE, TOM PALMER OFFSITE, HE INSTRUCTED TO BURRY ALL FOUND TRASH. MR WILL BACK FILL ALL HOLES BEFORE DIGGING ANY MORE. ——— MR

*TOM PALMER DEPARTED W/ TRAILER FULL OF FF TIRES / WATER HEATER / SCRAP METAL. ——— MR

1700 MP COMPLETES FILLING ALL OPEN HOLES, HEAD TO ES-2. ——— MR

1720 BEGIN TO EXCAVATE MA1-ES2

PHOTO #428 SHOWS EXCAVATOR @ ~6-12" (View North) ——— MR

0-6" All Brown moist soil, no trash other than surface shooting debris. NO TRASH DOWN TO 1', hit refusal. ——— MR

1735 SAMPLE MA2-ES2-1 collected.

1737 GPS # 1485-1488 OUTLINES EXCAVATION

photo 429 - North WALL

——— 430 - EAST WALL

——— 431 - South WALL

——— 432 - West WALL ——— MR

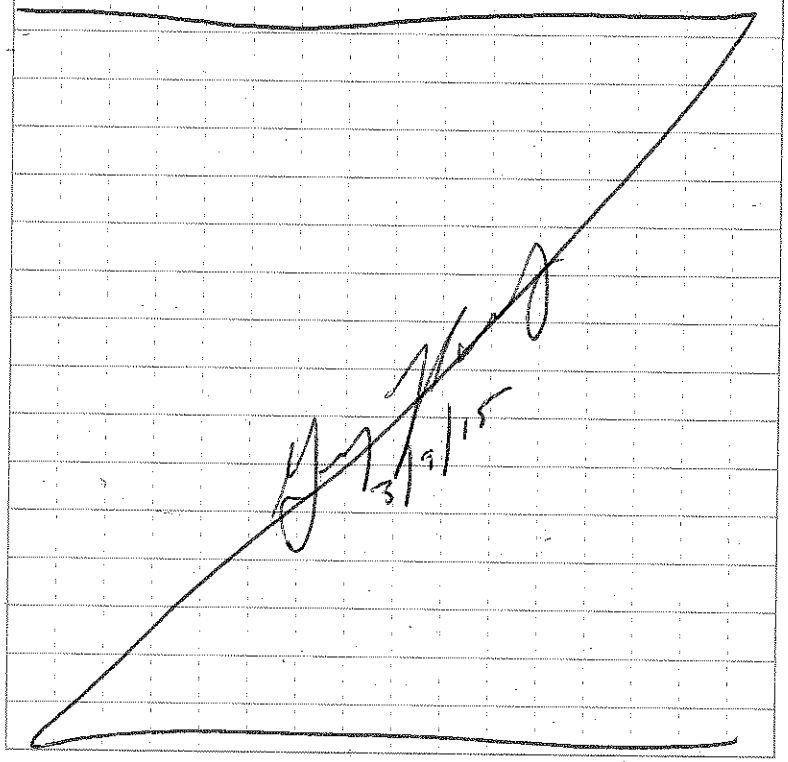
Scale: 1 square = _____

3/9/15 MINGUS G. ROUSSOS

1745 M. LINE + CREW EXCAVATE + ——— SAMPLE ES #7 ——— MR

* TOTAL OF 8 EXCAVATIONS AND ALL BACKGROUND SAMPLES COLLECTED. G. ROUSSOS TO CALL ANNE FISCHER WITH UPDATE

1900 ALL EQUIPMENT PACKED UP ——— WESTON + MP OFFSITE. ——— MR



Scale: 1 square = _____

Rite in the Rain

3/10/15 MINGUS G. ROUSSOS

0650 M. CLINE + G. ROUSSOS ON SITE, PREP MATERIALS FOR DAYS WORK. SUNNY, NO WIND ~40°F

0710 MP UNPACKED + ON SITE.

0730 BEGIN TO EXCAVATE ES-6

PHOTOS # 433 + 434 SHOW ES-6 0-12" DEEP. DARK BROWN, MOIST, CLEAN. NO TRASH BEYOND SURFACE SHOWING DEBRIS.

PHOTO #435 SHOWS SCRAP METAL FROM ~24" (VIEW E) SOME OTHER SMALL METAL + PLASTIC SCRAP PRESENT, BUT VERY FEW PIECES.

*0745 BACKNOTE SAMPLE MA1-ES6-1 COLLECTED

0750 BEGIN TO DIG TO 3'

LITTLE PIECES OF METAL AROUND 24", ALL ELSE IS CLEAN

0800 SAMPLE MA1-ES6-3 COLLECTED

0803 BEGIN TO DIG TO 5' BGS

LAYER OF PLASTIC / BOTTLES / TIRES / GENERAL HOUSEHOLD TRASH ENCOUNTERED AT 3.5 -> 4' bgs.

Scale: 1 square = _____

3/10/15 MINGUS G. ROUSSOS

PHOTO # 0436 + 0437 SHOW TRASH + WASTEPILE @ 3.5->4' (VIEW N). DRY LAYER OF SOIL OBSERVED STARTING @ 3.5-4'. PHOTO # 0438 SHOWS TIRES + PLASTIC TRASH FROM 4-5' + DRY LAYER ~3-4' (VIEW E)

0829 SAMPLE MA1-ES6-5 COLLECTED + DUP

0830 GPS # 1489 - 1492

PHOTO 439 - WEST WALL
440 - NORTH
441 - EAST
442 - SOUTH WALL

* TRASH SEEMS TO EXTEND IN ALL HORIZONTAL DIRECTIONS BELOW 3.5-4'. ALL PID READINGS IN BZ + HEADSPACE = 0 ppm

0910 MP COMPLETED BACKFILLING ES-6

0915 BEGIN TO EXCAVATE ES-11

PHOTO # 0443 SHOWS EXCAVATION 0-1' ALMOST COMPLETE. NATIVE BROWN MOIST SOIL, NO SIGNS OF TRASH (VIEW S)

Scale: 1 square = _____

Rite in the Rain

3/10/15 MINGUS G. ROUSSOS

0920 SAMPLE MA1-ES11-1 COLLECTED
0930 BEGIN TO EXCAVATE TO 3' BGS
PHOTO #0444 SHOWS AT ~ 3', LARGE ROCKS/BOULDERS PRESENT - MAY BE NATIVE SOIL. NO TRASH HAS BEEN OBSERVED (DIRECTION S)
0942 SAMPLE MA1-ES11-3 + DUP
0944 BEGIN TO DIG TO 5' BGS
DRY LAYER ENCOUNTERED AROUND 3.5 feet. ONE PIECE OF RUSTED SCRAP METAL FROM W SIDE ~ 4' BGS WAS UNCOVERED.
PHOTO # 0445 SHOWS METAL PIECE
1000 SAMPLE MA1-ES11-5 collected
1005 GPS 1493 - 1496 outlines EXCAVATION
photo 446 - SOUTH WALL
447 - EAST WALL
448 - NORTH WALL
449 - WEST WALL
1008 Begin to BACKFILL
1013 PHOTO # 0450 SHOWS MP BACK FILLING ES-11 (VIEW E)
1037 COMPLETE ~~EXCAVATION~~ FILLING IN, MOVE TO ES-8 + BEGIN EXCAVATING

Scale: 1 square = _____

3/10/15 MINGUS G. ROUSSOS

SMALL AMMOUNT OF PLASTIC PRESENT IN 0-12" BGS - PHOTO 0457 SHOWS PLASTIC IN WATERPILE AND EXCAVATION. (VIEW E)
1051 SAMPLE MA1-ES8-1 collected.
1052 BEGIN TO EXCAVATE TO 3'
1-3' Similar to ABOVE, some small PLASTIC TRASH PRESENT. DRY LAYER ENCOUNTERED AROUND 2.5 -> 3' BGS. FOUR PIECES OF SCRAP SHEET METAL FOUND ALONG WEST WALL @ 3'
PHOTO # 0452 SHOWS SCRAP METAL PIECES IN PILE (VIEW E)
1106 SAMPLE MA1-ES8-3 collected
1107 Begin to dig to 5'
3-5' similar AS ABOVE, SMALL pieces of plastic. Several large pieces of scrap sheet metal in center @ 5'. ~~AT~~ SEEMS TO BE AT LEAST 1 CAR JUST BELOW 5'. PHOTO # 0453 + 0454 (VIEW DOWN / N)
1129 SAMPLE MA1-ES8-5 + DUP

Scale: 1 square = _____

Rite in the Rain

3/10/15 MINGUS G. ROUSSOS

1135 GPS # 1497 – 1500 outline excavation
Photo 0455 – North wall
Photo 0456 West wall
Photo 0457 South wall
Photo 0458 East wall
1137 BEGIN TO BACKFILL EXCAVATION.
1200 ANNE FISCHER ON SITE. MOB TO AREA 2 / MARK OUT LOCATIONS / START ON ES-1.
1235 ES-1 0-1' clean, dry. Very rocky no trash. Photo # 0459 (view S)
1237 SAMPLE MA2-ES1-1 collected
1240 BEGIN EXCAVATING TO 3'.
1-2' BGS, SAME AS ABOVE. Photo # 0460 (VIEW S)
1310 SAMPLE MA2-ES1-3 collected
REFUSAL AFTER 3', TOO MUCH ROCK. FILL IN & MOVE TO ES-2
1330 GPS 1501 – 1504 OUTLINES ES-1.
1340 BEGIN TO EXCAVATE ES2
0-1' BROWN / RED MOIST SOIL NO EVIDENCE OF TRASH OTHER THAN SPARSE SHOOTING TARGETS.

Scale: 1 square = _____

3/10/15 MINGUS G. ROUSSOS

PHOTO # 0461 (VIEW N) SHOWS EXCAVATION @ 0-1' IN PROGRESS
METAL & GLASS REMNANTS ARE VISABLE JUST AT 3' + BELOW
1355 SAMPLE MA2-ES2-1 COLLECTED
1357 DARK SOIL LAYER AFTER 3'
LOTS OF SMALL RUSTED METAL PIECES & BLUE ROCK
PRESENT PHOTO #462 (EAST)
FILE EXAMINED IN DARK SOIL
ONLY ITEMS FOUND: MELTED GLASS, CERAMIC INSULATOR, THICK GLASS PIECES, BRICKS, ~~COPPER~~ METAL WIRE. THESE ITEMS APPEAR OLDER THAN YESTERDAY'S FINDS. ANNE TO TAKE ITEMS TO USFS ARCHEOLOGIST TO DATE
PHOTOS # 463-465 (down)
1419 SAMPLE MA2ES2-3
1420 GPS 1505 – 1508
Photo # 466 North wall
467 East wall
469 South wall

Scale: 1 square = _____

Rite in the Rain

3/10/15 MINGUS G. ROUSSOS

photo 469 west wall
1426 continue excavation
sheet metal, scrap metal, corroded copper & copper "ore"/waste rock? observed
stove/appliance. PHOTO 470 shows copper/corrosion/rock material. charred wood present
Photo 471 – hot water heater
1440 sample MA2-ES2-5 collected
1442 photo 472 – north wall
473 – east wall
474 – south wall
475 – west wall
1445 Begin to backfill excavation
1510 Begin to excavate ES-3
0-6" Brown moist soil, no trash except for surface glass.
PHOTO 476 shows begin of excavation (view S)
1523 sample MA2-ES3-1 collected.
1525 small ammounts of glass are present as excavated past 2'

Scale: 1 square = _____

3/10/15 MINGUS G. ROUSSOS

dark soil layer ~2-2.5'
similar to last excavation
PHOTO # 477 shows light & dark soil (facing South)
1535 SAMPLE MA2-ES3-3 collected
PHOTO # 478 shows white/blue corrosion type material
1537 Begin to dig to 5'
some sheet metal & pipe present ~4', grey ash type layer @ ~4' ON N WALL. MANY SMALL (2-3") JARS among the excavated soil.
1555 SAMPLE MA2-ES3-5 collected
1557 GPS 1509-1512 outlines excavation
Photo # 479 North wall
480 East wall
481 South wall
482 West wall
1605 ANNE FISCHER OFF SITE, G. ROUSSOS TO CALL W/ END OF DAY UPDATE. ANNE PLANS TO RETURN ~~WEDNESDAY~~ THURSDAY

Scale: 1 square = _____

Rite in the Rain

3/10/15 MINGUS G. ROUSSOS

1635 AFTER REFUELING, MP BEGINS EXCAVATION @ ES-4 ——— ER
0-1' RED/BROWN SOIL, NO TRASH PHOTO # 483 SHOWS BEGINING OF EXCAVATION (VIEW E)
1646 SAMPLE MA2-ES4-1 collected
AT 1½-2' BEGIN TO see few PLASTIC SMALL PIECES. FEW PLASTIC, METAL, glass. Small pieces observed across pit ~ 2-3' bgs. ——— M
1703 SAMPLE MA2-ES4-3 collected
1704 BEGIN TO EXCAVATE TO 5' BGS
BELOW 3', BROKEN GLASS IS PRESENT. PHOTO #484 SHOWS SLIGHTLY DARKER LAYER 3-5' IN SE CORNER (VIEW SE)
OVEN/STOVE SCRAPPED, OTHER LARGE PIECES OF SCRAP METAL AS WELL
PHOTO # 485 SHOWS SCRAP METAL (VIEW S) PHOTO # 486 SHOWS SMALL GLASS + POURCELINE PIECES SIMILAR TO OTHER HOLES IN MA2
1719 SAMPLE MA2-ES4-5 collected ——— M

Scale: 1 square = _____

3/10/15 MINGUS G. ROUSSOS

1721 GPS # 1513-1516
PHOTO # 487 NORTH WALL
488 EAST WALL
489 SOUTH WALL
490 WEST WALL
1745 BEGIN TO DIG ES-5, LAST HOLE FOR THE DAY, ZACK (MP) HAS LIMITED HOURS TO WORK DUE TO DRIVING SEMI TRUCK. ——— ER
0-6" DRY BROWN POWDERY SOIL. NO SIGNS OF TRASH PRESENT (SHOWN IN PHOTO 491 FACING ~~EA~~ SOUTH) ——— ER
1754 SAMPLE MA2-ES5-1 collected
1756 BEGIN TO DIG TO 3' ——— ER
PHOTO 492 SHOWS EXCAVATION @ 1-2', no trash, red/brown DRY soil (facing south)
AT 3' BEGIN TO ~~TRANSFER~~ CHANGE TO ROCKY SOIL. NO TRASH.
1805 SAMPLE MA2-ES5-3 + DUP COLLECTED
1808 BEGIN TO DIG TO 5' BGS ——— MZ
ROCKY SOIL THROUGHOUT 3-5' BGS ——— M

Scale: 1 square = _____

Rite in the Rain

3/10/15 MINGUS G. ROUSSOS

REFUSAL @ 4' DUE TO SOLID ROCK

1816 SAMPLE MAZ-ES5-4 collected

1818 GPS ~~for~~ 1524 - 1524

Photo 493 West wall

494 North wall

495 East wall

496 South wall

1820 BEGIN TO BACKFILL

1845 MP PACKS UP + HEAD OFF SITE

1900 WESTON OFFSITE

3/10/15

Scale: 1 square = _____

3/11/15 MINGUS G. ROUSSOS

0650 G. ROUSSOS & M. LINK ONSITE, OPEN GATE TO AREA 3 W/ ANNE'S KEY & UNPACK. WILL FINISH ALL EXCAVATIONS TODAY & M. LINK WILL COMPLETE ALL AREA 3 SURFACE SOIL SAMPLES

0655 MP ARRIVES ON SITE + UNPACKS EXCAVATOR

0718 BEGIN TO EXCAVATE MAZ-ES6

PHOTO #497 SHOWS EXCAVATOR BEGINNING TO DIG, SG POINT VISABLE IN PHOTO (VIEW S). 0-1' BROWN DRY SOIL. NO SIGN OF TRASH

0729 SAMPLE MAZ-ES6-1 collected

0730 BEGIN TO EXCAVATE TO 3'

DRY SOIL LAYER ENCOUNTERED @ ~24". PHOTO 498 SHOWS EXCAVATOR @ 2-3', dark and light (wet/dry) soils (VIEWS).

0745 SAMPLE MAZ-ES6-3 collected

0747 BEGIN TO DIG TO 5' BGS

VERY DRY SOIL ~5' SEEM THERE IS A LARGE ROCK/BEDROCK. PHOTO 499 SHOWS ROCKY DRY SOIL (VIEWS)

Scale: 1 square = _____

Rite in the Rain

3/11/15 MINGUS G. ROUSSOS

0805 SAMPLE MA2-ES6-5 and DUP
0810 GPS # 1525 - 1528
PHOTO # 500 EAST WALL
501 NORTH WALL
502 WEST WALL
503 SOUTH WALL
0812 MP BACKFILLS EXCAVATION, G. ROUSSOS TO AREA 3 TO MARK OUT EXCAVATIONS
0900 MP ARRIVES AT MA3-ES-1 & BEGINS TO EXCAVATE
PHOTO # 0504 SHOWS 0-1' BGS (VIEW W) CLEAN, BROWN, MOIST SOIL. NO TRASH.
0912 SAMPLE MA3-ES1-1 COLLECTED
0913 BEGIN TO EXCAVATE TO 3'
PHOTO # 0505 SHOWS EXCAVATION @ 1-3' (VIEW N-) SAME AS ABOVE) MOIST, BROWN, ROCKY SOIL.
0936 SAMPLE MA3-ES1-3 COLLECTED
0938 PHOTO # 0506 SHOWS EXCAVATION @ ~4-5' (VIEW NW) SIMILAR SOIL TO ABOVE, BUT DRIER THE MOIST/DRY HORIZON IS VISABLE IN PHOTO ~2½-3' BGS

Scale: 1 square = _____

3/11/15 MINGUS G. ROUSSOS

0954 SAMPLE MA3-ES1-5 COLLECTED
0956 GPS # 1529 - 1532
PHOTO 0507 SOUTH WALL
0508 EAST WALL
0509 NORTH WALL
0510 WEST WALL
1000 MP TO BACKFILL EXCAVATION
1027 BACKFILL COMPLETE, MOVE TO ES-2 & BEGIN EXCAVATION.
PHOTO # 0511 SHOWS EXCAVATION @ 1', BROWN MOIST SOIL, CLEAN — NO TRASH
1037 SAMPLE MA3-ES2-1 COLLECTED
1038 BEGIN TO DIG TO 3'
PHOTO # 0512 SHOWS CLOSEUP OF EXCAVATION @ ~2-3'. (VIEW S) SHOWS DRY LAYER ~~AFTER~~ AROUND 1-1½' BGS.
1052 SAMPLE MA3-ES2-3 COLLECTED
1054 BEGIN TO EXCAVATE TO 5' BGS SAME MATERIAL AS ABOVE SMALL AMOUNT OF PLASTIC & A GLASS BOTTLE @ 5' WALL.
PHOTO # 0513 VIEW W
PHOTO # 0514 TRASH BAG & GLASS

Scale: 1 square = _____

Rite in the Rain

3/11/15 MINGUS G. ROUSSOS

1112 SAMPLE MA3-ES2-5 collected
1114 GPS # 1533 – 1536 outlines
PHOTO 0515 – North wall
0516 West wall
0517 South wall
0518 East wall
1155 ES-2 BACKFILLED, BEGIN TO EXCAVATE ES-3
PHOTO #0519 SHOWS START OF EXCAVATION (VIEW N) 0-1' BROWN MOIST SOIL, SOME ROCK, NO EVIDENCE OF TRASH.
1209 SAMPLE MA3-ES3-1 collected
1211 BEGIN TO DIG TO 3' BGS
SAME MATERIAL AS 0-1'
1223 SAMPLE MA3-ES3-5 collected
1225 BEGIN TO DIG TO 5'.
PHOTO #0520 SHOWS VERY DRY LAYER (VIEW S) around 4½' BGS
1238 SAMPLE MA3-ES3-5 collected
1240 GPS # 1537-1540 outlines hole
PHOTO # 521 South wall
522 West wall
523 North wall

Scale: 1 square = _____

3/11/15 MINGUS G. ROUSSOS

PHOTO 524 East wall
1245 BEGIN TO BACKFILL HOLE
1315 IMP MOVES TO ES-4 & BEGINS TO EXCAVATE.
0-1' CLEAR/DAMP BROWN SOIL SOMEWHAT ROCKY
1327 SAMPLE MA3-ES4-1 collected
1328 BEGIN TO EXCAVATE TO 3'
PHOTO #525 SHOWS 2-3' BGS (view E) SAME AS ABOVE, DAMP ROCKY MOIST BROWN SOIL. NO TRASH.
**PHOTO #526 SHOWS ES-3 POST FILL,
**ALL OTHER EXCAVATIONS ARE SIMILAR
1340 SAMPLE MA3-ES4-3 collected
1342 BEGIN TO DIG TO 5' BGS
PHOTO #526 SHOWS EXCAVATION @ ~3-4' BGS, SOIL SAME AS ABOVE, NO TRASH PRESENT
1353 SAMPLE MA3-ES4-5 collected
1355 GPS # 1541 – 1544 outlins excavation
photo # 527 – South wall
528 East wall
529 North wall
530 West wall

Scale: 1 square = _____

Rite in the Rain

3/11/15 MINGUS G. ROUSSOS

1400 MP BEGINS TO BACKFILL, THEN WILL DEPART SITE MR

1535 G. ROUSSOS & MLINK PACKED UP & MOVED TO AREA 1. G. ROUSSOS WILL SIEVE SAMPLES WHILE M. LINK COLLECTS MR

1542 SAMPLE MA3-S7-0 MR

1549 SAMPLE MA3-S7-1 MR

1557 SAMPLE MA3-S8-0 MR

1605 SAMPLE MA3-S8-1 MR

1612 SAMPLE MA3-S9-0 & MA3-S9-0D

1626 SAMPLE MA3-S9-1 MR

1636 SAMPLE MA3-S10-0 MR

1648 SAMPLE MA3-S16-1 MR

1658 SAMPLE MA3-S11-0 MR

1715 SAMPLE MA3-S11-1 MR

1745 ALL EQUIPMENT PACKED UP, WESTON DEPARTS SITE MR

3/11/14

Scale: 1 square = _____

3/12/15 MINGUS G. ROUSSOS

0710 M. LINK & G. ROUSSOS ON SITE, CHECK IN W/ USFS RANGER. WEATHER ~53°F, CALM, CLOUDY. HIGH OF 73°F TODAY. ANNE FISCHER SUPPOSED TO ARRIVE THIS MORNING AS WELL. PLAN FOR THE DAY IS FOR M. LINK TO CONTINUE SAMPLING ALL POINTS & G. ROUSSOS WILL SAVE AND ~~SAMPLE~~ & COLLECT INTO JARS. MR

*BACK NOTE FOR PREVIOUS DAYS OF WEEK: ALL PID READING FOR BZ AND HEAD SPACE WERE 0.0 ppm. SOIL IN BUCKETS WAS ALSO SCREENED AND SIFTED 0.0 ppm MR

0744 MA2-S4-1 AND DUP MR

0804 SAMPLE MA1-S5-0 MR

0813 SAMPLE MA1-S5-1 MR

0828 SAMPLE MA1-S6-0 MR

0837 SAMPLE MA1-S6-1 MR

0848 SAMPLE MA1-S21-0 MR

0900 SAMPLE MA1-S21-1 MR

0913 SAMPLE MA1-S7-0 MR

Scale: 1 square = _____

Rite in the Rain

3/12/15 MINGUS G. ROUSSOS

0923	SAMPLE MA1-S7-1 (MS/MSD)
0943	SAMPLE MA1-S17-0
0955	SAMPLE MA1-S17-1
1005	G. ROUSSOS OFFSITE FOR SUPPLIES
1010	ANNE FISCHER ARRIVES ONSITE
2	G. ROUSSOS RETURNS KEY FOR AREA 5 TO HEL
1055	G. ROUSSOS RETURS & RESUMES SEEING.
1100	SAMPLE MA1-S25-0
1110	SAMPLE MA1-S25-1
1122	SAMPLE MA1-S28-0
1132	SAMPLE MA1-S28-1 (MS/MSD)
1150	ANNE FISCHER OFFSITE.
1151	MA1-S29-0
1200	SAMPLE MA1-S29-1
1214	SAMPLE MA1-S24-0
1225	SAMPLE MA1-S24-1
1243	SAMPLE MA1-S15-0
1250	SAMPLE MA1-S15-1
1303	SAMPLE MA1-S16-0
1316	SAMPLE MA1-S16-1
1327	SAMPLE MA1-S27-0
1337	SAMPLE MA1-S27-1

Scale: 1 square = _____

3/12/15 MINGUS G. ROUSSOS

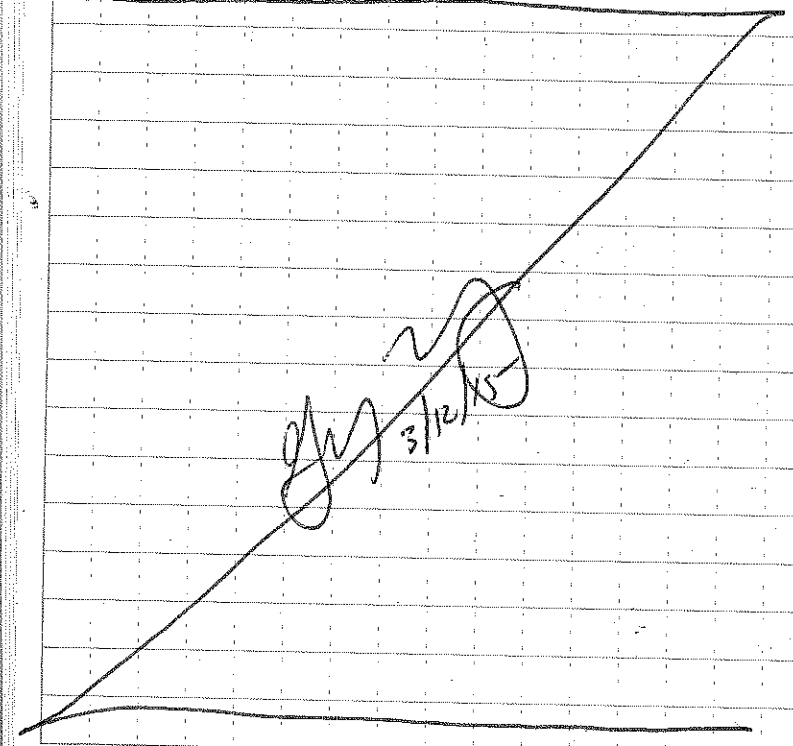
1352	SAMPLE MA1-S23-0
1402	SAMPLE MA1-S23-1 & DUP
1421	SAMPLE MA1-S14-0
1429	SAMPLE MA1-S14-1
1445	SAMPLE MA1-S22-0
1453	SAMPLE MA1-S22-1
1508	SAMPLE MA1-S13-0
1516	SAMPLE MA1-S13-1
1529	SAMPLE MA1-S26-0
1539	SAMPLE MA1-S26-1
1555	SAMPLE MA1-S12-0
1603	SAMPLE MA1-S12-1
1618	SAMPLE MA1-S11-0 & DUP
1628	SAMPLE MA1-S11-1
1647	SAMPLE MA1-S9-0
1654	SAMPLE MA1-S9-1
1704	SAMPLE MA1-S10-0
1713	SAMPLE MA1-S10-1 AND DUP
1727	SAMPLE MA1-S30-0 AND DUP
1738	SAMPLE MA1-S30-1
1758	SAMPLE MA1-S19-0
1805	SAMPLE MA1-S19-1
1812	SAMPLE MA1-S20-0 & DUP
1823	SAMPLE MA1-S20-1

Scale: 1 square = _____

Rite in the Rain

3/12/15 MINGUS G. ROUSSOS

1831 SAMPLE MA1-S8-0 ——— esr
1837 SAMPLE MA1-S8-1 ——— esr
1848 SAMPLE MA1-S18-0 (MS/MSD)
1859 SAMPLE MA1-S18-1
1915 ALL EQUIPMENT PACKED, WESTON OFFSITE. TALKED W/ USFS RANGER, WILL NOT BE ONSITE TOMORROW. ——— m



Scale: 1 square = _____

3/13/15 MINGUS G. ROUSSOS

0630 G. ROUSSOS & M. LINIC REPACK
2 COOLERS W/ FRESH ICE &
2 PACK CAR FOR DEMOB.
0730 ONSITE TO TAKE A FEW
— PHOTOS & COLLECT PIN FLAGS

PHOTO #	DIRECTION	SUBJECT
0532	E	MA1-ES3 - BACKFILLED
0533	E	MA1-ES4 BACKFILLED
0534	E	MA1-ES9 BACKFILLED
0535	N	MA-1-ES10 BACKFILLED
0536	W	MA1-ES5 BACKFILLED
0537	N	MA1-ES1 BACKFILLED
0538	N	MA1-ES2 BACKFILLED
0539	N	MA1-ES6 BACKFILLED
0540	NE	MA1-ES11 BACK FILLED
0541	E	MA1-ES7 BACK FILLED
0542	NE	MA1-ES8 BACKFILLED
0543	NE	MA2-ES1 BACKFILLED
0544	W	AREA 2 OVERVIEW
0545	NW	"
0546	N	MA2-ES2 BACK FILLED
0547	N	MA2-ES3 BACKFILLED
0548	N	MA2-ES4 BACKFILLED
0549	N	AREA 2 OVERVIEW

Scale: 1 square = _____

Rite in the Rain

3/13/15 MINGUS GINOUSSOS

0550	N	MAZ-ES 5 backfilled
0551	N	MAZ-ES 6 BACKFILLED
0830	WESTON OFFSITE	

3/13/15

Scale: 1 square = _____

Scale: 1 square = _____

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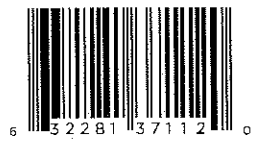

Rite in the Rain®
ALL-WEATHER
UNIVERSAL
№ 371

MINN US AREA
FIELD SAMPLING

INCH

Rite in the Rain®
ALL-WEATHER WRITING PAPER

1

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2

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3

Project MINGUS AREA
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6

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CONTENTS

PAGE	REFERENCE	DATE

MINGUS ~~MOUNTAIN~~ AREA 3/9/15

0650: ARRIVE ON SITE. M.LINK & G.ROSSOS.
* WEATHER: 50°F, SUNNY, WIND CALM
OBJECTIVE: MIKE LINK AND GREG ROSSOS WILL BEGIN SAMPLING ACTIVITIES AT MINGUS MOUNTAIN. M.LINK WILL CONDUCT BACKGROUND, SEDIMENT, SURFACE & NEAR SURFACE SOIL SAMPLING AND G. ROSSOS WILL CONDUCT OVERSIGHT OF EXCAVATION ACTIVITIES AS WELL AS SOIL SAMPLING OF EXCAVATION TEST PITS.
* MP ENVIRONMENTAL (EXCAVATION CREW) SET TO BE ON SITE @ 0900
* UPON ARRIVAL, A MAN IS SEEN ON SITE NEAR AREA 7, APPEARING TO BE SCRAPPING.

0730: TOM PALMER (USFS) AND ANDY (USFS LAW ENFORCEMENT) ON SITE. M.LINK AND G.ROSSOS INFORMS USFS LAW ENFORCEMENT OF THE MAN ON SITE.

0740: M.LINK AND G.ROSSOS BEGIN UNLOADING THE VEHICLE FOR THE DAYS ACTIVITIES.

0835: M.LINK ARRIVES AT BACKGROUND SAMPLE LOCATION MBG-S1. GPS # 099; 0402740, 3842285.
M.LINK TO COLLECT 5-POINT COMPOSITE

Scale: 1 square = _____

MINGUS ~~MOUNTAIN~~ AREA 3/9/15

SAMPLE, TO BE SIEVED LATER AT THE VEHICLE.

0845: PHOTO # 0004; LOOKING WEST AT SAMPLE LOCATION (BACKGROUND) MBG-S1. GPS # 100, 0402748, 3842285.

0848: PHOTO # 0005; LOOKING NE AT BACKGROUND SAMPLE LOCATION MBG-S1. GPS # 101, 0402742, 3842283.

0850: COLLECT MBG-S1

0900: M.LINK ARRIVES AT MBG-S2
GPS # 102, 0402713, 3842240

0908: PHOTO # 0006; LOOKING NW AT BACKGROUND SAMPLE LOCATION MBG-S2. GPS # 103 0402716, 3842239

0910: PHOTO # 0007; LOOKING SE AT BACKGROUND SAMPLE LOCATION MBG-S2. GPS # 104 0402715, 3842243

0914: COLLECT MBG-S2

0925: M. LINK ARRIVES AT MBG-S3.
GPS # 105, 0402722, 3842161

0934: PHOTO # 0008; LOOKING N AT BACKGROUND SAMPLE LOCATION MBG-S3. GPS # 106, 0402719, 3842157

3/9/15

Scale: 1 square = _____

Rite in the Rain

MINGUS AREA 3/9/15

0937: PHOTO # 0009, LOOKING S AT BACKGROUND SAMPLE LOCATION MBG-53. GPS # 107 0402719, 3842162

0944: COLLECT MBG-53

~~0952: ARRIVE AT~~ M. UNK IN WRONG LOCATION FOR MBG-54. DISREGARD GPS # 108

1002: ARRIVE AT MBG-54. GPS # 109 0402690, 3842026

1010: PHOTO # 0010, LOOKING NW AT BACKGROUND SAMPLE LOCATION MBG-54, GPS # 110 0402691, 3842026

1013: PHOTO # 0011, LOOKING SE AT BACKGROUND SAMPLE LOCATION MBG-54, GPS # 111 0402691, 3842026

1018: COLLECT MBG-54

1048: M. UNK ARRIVES AT MBG-55' GPS # 112, 0402886, 3841700

1100: PHOTO # 0012, LOOKING SE AT BACKGROUND SAMPLE LOCATION MBG-55', GPS # ~~112~~ 113, 0402883, 3841704

1103: PHOTO # 0013, LOOKING N AT BACKGROUND SAMPLE LOCATION MBG-55', GPS # 114 0402883, ~~3841704~~ 3841700

1108: COLLECT MBG-55'

Scale: 1 square = _____

MINGUS AREA 3/9/15

1120: M. UNK ARRIVES AT MBG-56, GPS # 115' 0403038, 3841637

1134: PHOTO # 0014, LOOKING S AT BACKGROUND SAMPLE LOCATION MBG-56, GPS # 116, 0403042, 3841640

1137: PHOTO # 0015, LOOKING N AT BACKGROUND SAMPLE LOCATION MBG-56, GPS # 117 0403037, 3841638

1200: M. UNK RETURNS TO VEHICLE. EXCAVATION OPERATIONS ARE UNDERWAY WITH G. PARSONS PROVIDING OVERSIGHT AND SAMPLING.

* USFS OSC ANNE FISHER ON-SITE
* M. UNK MEETS MP ENVIRONMENTAL TECHNICIANS CHAD & ZACK

1220: M. UNK TO SIEVE ALL 6 BACKGROUND SOIL SAMPLES. EACH BACKGROUND SAMPLE TO BE COLLECTED IN AN UNPRESERVED 4 OZ GLASS JAR FOR TAL METAL ANALYSIS EPA METHOD 6010 B/7471 A.

1232: COLLECT SAMPLE ~~MBG~~ MBG-S1-030915

1255: COLLECT SAMPLE ~~MBG~~ MBG-S2-030915

1315: COLLECT SAMPLE ~~MBG~~ MBG-S3-030915

1330: COLLECT SAMPLE MBG-S4-030915

Scale: 1 square = _____

Rite in the Rain

MINGUS AREA 3/9/15

1344: COLLECT SAMPLE MBG-SS-030915'
1354: COLLECT SAMPLE MBG-SG-030915'
1430: M. LINK ARRIVES AT BACKGROUND SEDIMENT SAMPLE MBG-SED 1.
GPS # 118, 0402752, 3842394
ALL SEDIMENT SAMPLES WILL BE 5-POINT COMPOSITE SAMPLES. ALL SEDIMENT SAMPLES WILL BE SIEVED AT THE VEHICLE. SAMPLES WILL BE COLLECTED IN AN UNPRESERVED 4-OZ GLASS JAR TO BE ANALYZED FOR TAL METALS.
1440: PHOTO # 0016, LOOKING NW AT BACKGROUND SEDIMENT SAMPLE MBG-Sed 1, GPS # 119, 0402749, 3842397
1443: PHOTO # 0017, LOOKING NE AT BACKGROUND SEDIMENT SAMPLE MBG-Sed 1, GPS # 120, 0402749, 3842401
1445: COLLECT MBG-Sed 1
1455: M. LINK ARRIVES AT MBG-Sed 2
GPS # 121, 0402848, 3842391
1503: PHOTO # 0018, LOOKING NE AT BACKGROUND SEDIMENT LOCATION MBG-Sed 2
GPS # 122, 0402846, 3842391

Scale: 1 square = _____

MINGUS AREA 3/9/15

1505: PHOTO # 0019, LOOKING NW AT BACKGROUND SAMPLE (SEDIMENT) LOCATION MBG-Sed 2
GPS # 123, 0402850, 3842389
1510: COLLECT MBG-Sed 2
1530: M. LINK ARRIVES AT MBG-Sed 3
GPS # 124, 0403215, 3841623
1559: PHOTO 0020, LOOKING E AT BACKGROUND SEDIMENT SAMPLE LOCATION MBG-Sed 3.
GPS # 125, 0403215, 3841625
1602: PHOTO 0021, LOOKING N AT BACKGROUND SEDIMENT SAMPLE LOCATION MBG-Sed 3
GPS # 126, 0403216, 3841620
1605: COLLECT MBG-Sed 3
1615: M. LINK ARRIVES AT MBG-Sed 4
GPS # 127, 0403257, 3841745
1622: PHOTO # 0022, LOOKING S AT BACKGROUND SEDIMENT SAMPLE LOCATION MBG-Sed 4
GPS # 128 0403258, 3841748
1624: PHOTO # 0023, LOOKING N AT BACKGROUND SEDIMENT SAMPLE LOCATION MBG-Sed 4
GPS # 129, 0403257 3841743
1628: COLLECT MBG-Sed 4

5/9/15

Scale: 1 square = _____

Rite in the Rain

MINGUS AREA 3/9/15

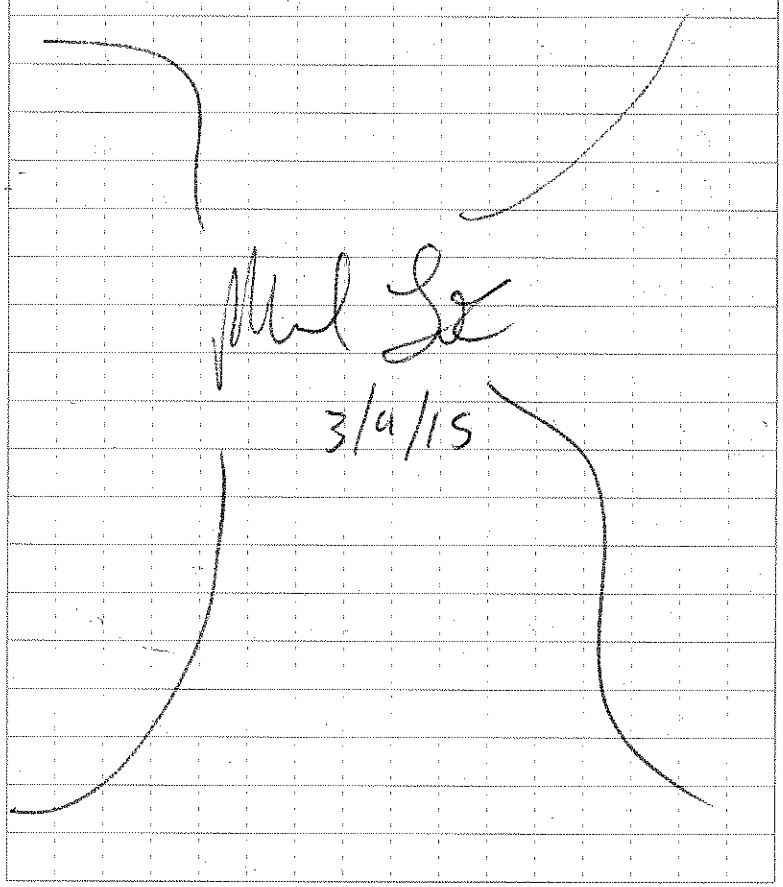
1658: COLLECT SAMPLE MBG-SED2-030915'
1705: COLLECT SAMPLE MBG-SED2-030915'
1710: COLLECT SAMPLE MBG-SED3-030915'
1718: COLLECT SAMPLE MBG-SED4-030915'
1755: M. LINK TO SAMPLE MA1-ES67
1759: PHOTO# 0024, LOOKING SE AT EXCAVATION PIT OF MA1-ES67 @ 0-1 FT BGS GPS# 130 0403251, 3842218 —
0-1 FT BGS APPEARS FREE OF TRASH/DEBRIS —
1802: SAMPLE MA1-ES67-1-030915'
1818: PHOTO# 0025, LOOKING INTO PIT OF MA1-ES67 @ 2-3 FT BGS. NO TRASH/DEBRIS VISIBLE AT 2-3 FT BGS
1820: SAMPLE MA1-ES67-3-030915'
1832: PHOTO# 0026, LOOKING INTO PIT OF MA1-ES7 @ 4-5 FT BGS.
1833: PHOTO# 0027, LOOKING INTO PIT OF MA1-ES7 @ 4-5' FT BGS, SOME SMALL TRASH VISIBLE, SUCH AS A SINGLE SODA CAN. PHOTO # 0028 REFLECTS THIS. *GPS# 131-134 ARE OF THE PERIMETER OF MA1-ES7

MWL SL 3/9/15

Scale: 1 square = _____

MINGUS AREA 3/9/15

1836: COLLECT SAMPLE MA1-ES7-5'-030915
1840: CREW BACKFILLS MA1-ES7 USING MINI EXCAVATOR —
1900: WESTON CREW, MP CREW OFF SITE, EN ROUTE TO HOTEL —



MWL SL
3/9/15

Scale: 1 square = _____

Rite in the Rain

MINNUS AREA 3/10/15

0645: M. LINK + G. ROUSSOS (WESTON) ON SITE

*WEATHER: CLEAR, 37°F, WIND CALM

OBJECTIVE: CONTINUE COLLECTING COMPOSITE SAMPLES FOR SEDIMENT AND SURFACE AND NEAR SURFACE SOIL AROUND THE SITE AND AREA 2.

*G. ROUSSOS TO CONTINUE OVERSIGHT AND SAMPLING OF EXCAVATION CREW.

0715: MP CREW ON SITE, CHAD & ZACK.

*HEALTH + SAFETY BRIEFING: USE CAUTION AROUND EXCAVATOR AND EXCAVATION AREA. EXCAVATION WILL CONTINUE IN AREA 2

0754: M. LINK ARRIVES AT MBO-SED 1 GPS# 135, 0403069, 3842466

0803: PHOTO # 0029, LOOKING N AT SEDIMENT SAMPLE MBO-SED 1. GPS# 136, 0403066, 3842466

0805: PHOTO # 0030, LOOKING SW AT SEDIMENT SAMPLE MBO-SED 1. GPS# 137 0403074, 3842469

*NOTE: FOR ALL SEDIMENT SAMPLES, THE 40 mL VOA VIAL WITH MEOH

MINNUS AREA 3/10/15

PRESERVATIVE WILL BE SAMPLED DIRECTLY AT THE CENTER ALIQUOT USING A DEDICATED TERRACORE SAMPLING PLUNGER. ALL OTHER SAMPLE JARS WILL BE FILLED AFTER SIGNING AT THE VEHICLE

0814: COLLECT MBO-SED 1

0824: M. LINK ARRIVES AT MBO-SED 2 GPS# 138, 0403300, 3842515

0829: PHOTO # 0031, LOOKING E AT SEDIMENT SAMPLE MBO-SED 2, GPS# 139 0403299, 3842511

0831: PHOTO # 0032, LOOKING SW AT SEDIMENT SAMPLE MBO-SED 2. GPS# 140 0403305, 3842517

0835: COLLECT MBO-SED2. DUPLICATE AT THIS LOCATION

0850: M. LINK ARRIVES AT MBO-SED 3 GPS# 141, 0403522, 3842636

0856: PHOTO # 0033, LOOKING E AT SEDIMENT SAMPLE MBO-SED 3. GPS# 142 0403520 3842637

0858: PHOTO # 0034, LOOKING W AT SEDIMENT SAMPLE MBO-SED 3. GPS# 143 0403525, 3842636

Rite in the Rain

MINAS AREA 3/10/15

0901: COLLECT MBO-SED 3
0911: M.LINK ARRIVES AT MBO-SED4
GPS # 144, 0403623, 3842709
0917: PHOTO # 0035, LOOKING W AT MBO-SED4
GPS # 145, 0403627, 3842709
0919: PHOTO # 0036, LOOKING E AT SEDIMENT
SAMPLE LOCATION MBO-SED4
GPS # 146, 0403620, 3842711
0924: COLLECT MBO-SED4
0957: M.LINK ARRIVES AT MUN-SED8
GPS # 147 0403613, 3842289
1005: PHOTO # 0037, LOOKING NE AT
SEDIMENT SAMPLE LOCATION MUN-SED8
GPS # 148, 0403610, 3842287
1007: PHOTO # 0038, LOOKING SW AT SEDIMENT
SAMPLE LOCATION MUN-SED8. GPS # 149
0403615, 3842290
1011: COLLECT MUN-SED8
1023: M.LINK ARRIVES AT MUN-SED7. GPS #
150, 0403443, 3842227
1032: PHOTO # 0039, LOOKING SW AT SEDIMENT
SAMPLE LOCATION MUN-SED7
GPS # 151, 0403438, 3842228

3/10/15

Scale: 1 square = _____

MINAS AREA 3/10/15

1034: PHOTO # 0040, LOOKING NE AT SEDIMENT
SAMPLE LOCATION MUN-SED7
GPS # 152, 0403437, 3842227
1037: COLLECT MUN-SED7
1050: M.LINK ARRIVES AT MUN-SED6
GPS # 153 0403442, 3842164
1057: PHOTO # 0041, LOOKING NE AT SEDIMENT
SAMPLE LOCATION MUN-SED6. GPS # 154
0403441, 3842165
1059: PHOTO # 0042, LOOKING SW AT SEDIMENT
SAMPLE LOCATION MUN-SED6. GPS # 155
0403444, 3842166
1104: COLLECT MUN-SED6
1119: M.LINK ARRIVES AT MUN-SED5
GPS # 156, 0403277. 3841974
1128: PHOTO # 0043, LOOKING N AT SEDIMENT
SAMPLE LOCATION MUN-SED5. GPS # 157
0403277, 3841968
1131: PHOTO # 0044, LOOKING S AT SEDIMENT
SAMPLE LOCATION MUN-SED5. GPS # 158
0403277, 3841974
1135: COLLECT MUN-SED5

3/10/15

Scale: 1 square = _____

Rite in the Rain

MINNUS AREA 3/10/15

1155: M. LINK TO BEGIN SIEVING ALL 8 SEDIMENT SAMPLES
1216: SAMPLE MBO-SED 1-031015'
1233: SAMPLE MBO-SED 2-031015' + DUPLICATE
1249: SAMPLE MBO-SED3-031015'
1303: SAMPLE MBO-SED4-031015'
1315: SAMPLE MUN-SED5-031015'
1331: SAMPLE MUN-SED6-031015'
1345: SAMPLE MUN-SED7-031015'
1409: SAMPLE MUN-SED8-031015'
1445: M. LINK ARRIVES AT MA1-S1
GPS #159, 0402988, 3842126
1455: COLLECT MA1-S1-0
1509: COLLECT MA1-S1-1
1517: M. LINK ARRIVES AT MA1-S2
GPS # 160 0402988 3842163
1528: COLLECT MA1-S2-0
1540: COLLECT MA1-S2-5'
1548: M. LINK ARRIVES AT MA1-S3
GPS # 161 0403030, 3842168
1559: COLLECT MA1-S3-0
1605: COLLECT MA1-S3-5'

Scale: 1 square = _____

MINNUS AREA 3/10/15

1635: M. LINK TO BEGIN SIEVING SAMPLES COLLECTED AT MA1-S1, S2, + S3.
1645: COLLECT SAMPLE MA1-S1-0-031015'
1659: SAMPLE MA1-S1-1-031015'
1713: SAMPLE MA1-S2-0-031015'
1725: SAMPLE MA1-S2-1-031015'
1737: SAMPLE MA1-S3-0-031015'
1750: SAMPLE MA1-S3-1-031015'
1811: M. LINK ARRIVES AT MA1-S4
GPS # 162, 0403073, 3842212
1814: COLLECT MA1-S4-0
1830: M. LINK TO SIEVE MA1-S4-0
1832: SAMPLED MA1-S4-0-031015'
1832
1850: PACK-UP VEHICLE. CREW DONE FOR THE DAY

3/10/15

Scale: 1 square = _____

Rite in the Rain

MINGUS AREA 3/11/15

0645: M. LINK, C. ROSSOS (WESTON) ARRIVE ON SITE.

* WEATHER 42 F, P. CLOUDY, WIND CALM

* OBJECTIVE: CONTINUE EXCAVATIONS AT AREA 2 + 3. M. LINK TO SAMPLE ALL OF AREA 3 (11 SAMPLE LOCATIONS)

0647: MP ENVIRONMENTAL CREW (CHAD + ZACK) ON-SITE

0650: M. LINK UNLOADS SAMPLING SUPPLIES FROM VEHICLE, SETS UP SAMPLING STATION.

0725: ~~M. LINK ARRIVES AT~~ M. LINK AT WRONG LOCATION. DISREGARD GPS# 163

0736: M. LINK ARRIVES AT MA3-S1
GPS# 164, 0403232, 3842574

0744: COLLECT MA3-S1-0

0753: COLLECT MA3-S1-1

0758: M. LINK ARRIVES AT MA3-S2
GPS# 165 0403257, 3842585

0804: COLLECT MA3-S2-0

0810: COLLECT MA3-S2-1

0822: ARRIVE AT MA3-S3
GPS# 166 0403285, 3842593

0829: COLLECT MA3-S3-0

Scale: 1 square = _____

0859: M. LINK ARRIVES AT MA3-S4
GPS# 167, 0403315, 3842606

0903: COLLECT MA3-S4-0

0911: COLLECT MA3-S4-1

0919: M. LINK ARRIVES AT MA3-S5
GPS# 168, 0403343, 3842617

0925: COLLECT MA3-S5-0

0934: COLLECT MA3-S5-1

0941: M. LINK ARRIVES AT MA3-S6
GPS# 169, 0403378, 3842619

* LOCATION MOVED 15-20 FT TO THE EAST ORIGINAL LOCATION UNDER LARGE BUSH *

0946: COLLECT MA3-S6-0

0954: COLLECT MA3-S6-1

1014: M. LINK ARRIVES AT MA3-S7
GPS# 170, 0403268, 3842560

1019: COLLECT MA3-S7-0

1028: COLLECT MA3-S7-1

1035: ARRIVE AT MA3-S8
GPS# 171, 0403295, 3842569

1041: COLLECT MA3-S8-0

1050: COLLECT MA3-S8-1

Scale: 1 square = _____

Rite in the Rain

MINGUS AREA 3/11/15

1058: M.LINK ARRIVES AT MA3-S9
GPS#172, 0403324, 3842581
1104: COLLECT MA3-S9-0
1110: COLLECT MA3-S9-1
1125: M.LINK ARRIVES AT MA3-S10
GPS#173 0403277, 3842536
1130: COLLECT MA3-S10-0
1137: COLLECT MA3-S10-1
1144: M.LINK ARRIVES AT MA3-S11
GPS#174, 0403301, 3842548
1151: COLLECT MA3-S11-0
1157: COLLECT MA3-S11-1
1215: M.LINK TO BEGIN SIEVING ALL SOIL SAMPLES COLLECTED AT AREA 3.
1217: COLLECT SAMPLE MA3-S0-0-031115
1230: COLLECT SAMPLE MA3-S1-0-1-031115
1242: SAMPLE MA3-S2-0-031115
1257: SAMPLE MA3-S2-1-031115
1309: SAMPLE MA3-S3-0-031115
1322: SAMPLE MA3-S3-1-031115 +
DUPLICATE MA3-S3-1-031115-DP
1338: SAMPLE MA3-S4-0-031115
1350: SAMPLE MA3-S4-1-031115 +
MS/MSD
4 JARS

Scale: 1 square = _____

MINGUS AREA 3/11/15

1406: SAMPLE MA3-S5-0-031115
1418: SAMPLE MA3-S5-1-031115
1429: SAMPLE MA3-S6-0-031115
1439: SAMPLE MA3-S6-1-031115
1539: M. LINK TO RESUME COLLECTING SURFACE AND NEAR SURFACE SOIL SAMPLES AT AREA 1. G. ROSSOS WILL TAKE THE ROLE OF SIEVING SAMPLES.
1540: M.LINK AT MA1-S4-1
1549: COLLECTED MA1-S4-1
1557: M.LINK ARRIVES AT MA1-S5
GPS#175 0403094, 3842232
1604: COLLECT MA1-S5-0-031115
1616: COLLECT MA1-S5-1-031115
1624: M.LINK ARRIVES AT MA1-S6
GPS#176, 0403116, 3842257
1635: COLLECT MA1-S6-0-031115
1642: COLLECT MA1-S6-1-031115
1712: M.LINK ARRIVES AT MA1-S21
GPS#177, 0403096, 3842146
1717: COLLECT MA1-S21-0
1729: COLLECT MA1-S21-1

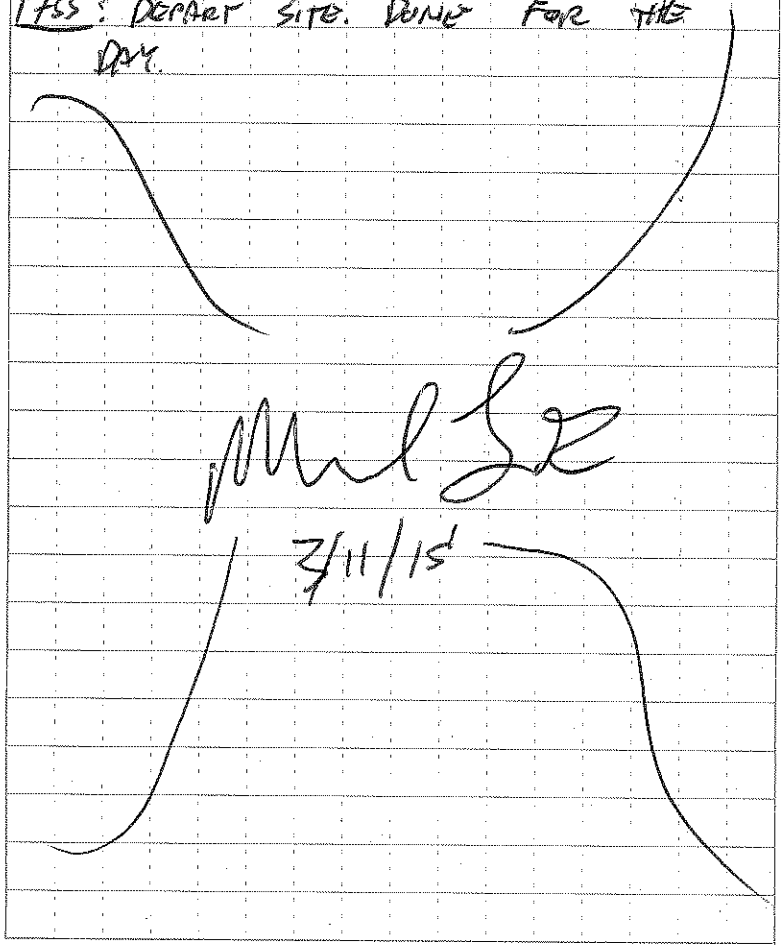
Scale: 1 square = _____

Rite in the Rain

MINGUS AREA 3/11/15

1745: RETURN TO VEHICLE. EXCAVATIONS COMPLETE AT JOB SITE. TOMORROW WILL BE SIEVING AND SOIL COLLECTION AT AREA 1.

1755: DEPART SITE. DONE FOR THE DAY.



3/11/15

Scale: 1 square = _____

MINGUS AREA 3/12/15

0710: M. LINK + G. ROSSOS ARRIVE ON SITE, MEET WITH USFS LAW ENFORCEMENT AT FRONT GATE ENTRANCE.
* WEATHER: 53°F, CLOUDY, WIND CALM.
* OBJECTIVE: M. LINK WILL CONTINUE COLLECTING SURFACE AND NEAR SURFACE SOIL SAMPLES AT AREA 1. 14 SAMPLE LOCATIONS LEFT.
G. ROSSOS WILL CONTINUE SIEVING OPERATIONS AT THE VEHICLE.
* ANNE FISCHER TO BE ON SITE LATER THIS MORNING.

0742: M. LINK ARRIVES AT MA1-57
GPS# 178, 0403162, 3842298

0745: COLLECT MA1-57-0

0756: COLLECT MA1-57-1 + MS/MSD
2 ADDITIONAL VOAS, 1 40Z, 1 80Z COLLECTED.

0807: M. LINK ARRIVES AT MA1-517
GPS# 179, 0403247, 3842342

0813: COLLECT MA1-517-0

0818: COLLECT MA1-517-1

0829: M. LINK ARRIVES AT MA1-529
GPS# 180, 0403291, 3842296

Scale: 1 square = _____

Rite in the Rain

MINGUS AREA 3/12/15

0835: COLLECT MA1-S24-0
0842: COLLECT MA1-S24-1
0903: M.LINK ARRIVES AT MA1-S25
GPS# 181, 0403247, 3842294
LOCATION MOVED 10-15 FT SOUTH OF ORIGINAL LOCATION DUE TO A LARGE SHRUB AT ORIGINAL LOCATION
0909: COLLECT MA1-S25-0
0916: COLLECT MA1-S25-1
0924: M.LINK ARRIVES AT MA1-S28
GPS# 182, 0403246, 3842254
0930: COLLECT MA1-S28-0
0936: COLLECT MA1-S28-1 + MS/MSD
2 ADDITIONAL VOAS, 1 40Z, 1 80Z
1002: M.LINK ARRIVES AT MA1-S16
GPS# 183 0403205, 3842295 LOCATION MOVED SOUTH 5-10 FT DUE TO OBSTRUCTIONS AT ORIGINAL LOCATION
1009: COLLECT MA1-S16-0
1015: COLLECT MA1-S16-1
1025: M.LINK ARRIVES AT MA1-S15
GPS# 184, 0403182, 3842274
1031: COLLECT MA1-S15-0
1036: COLLECT MA1-S15-1

Scale: 1 square = _____

MINGUS AREA 3/12/15

1043: M.LINK ARRIVES AT MA1-S24
GPS# 185, 0403203, 3842254
1051: COLLECT MA1-S24-0
1059: COLLECT MA1-S24-1
1115: M.LINK ARRIVES AT MA1-S27
GPS# 186, 0403205, 3842212
1121: COLLECT MA1-S27-0
1129: COLLECT MA1-S27-1
1135: PHOTO 0045, LOOKING N AT MA1-S27 + MA1-S24 GPS# 187, 0403202, 3842208
1139: M.LINK ARRIVES AT MA1-S23
GPS# 188, 0403183, 3842233
1146: COLLECT MA1-S23-0
1154: COLLECT MA1-S23-1 + DUPLICATE
1200: PHOTO 0046, LOOKING NE AT MA1-S23 + MA1-S24, GPS# 189, 0403183, 3842233
1215: M.LINK ARRIVES AT MA1-S14
GPS# 190, 0403160, 3842253
1221: COLLECT MA1-S14-0
1227: COLLECT MA1-S14-1
1232: PHOTO 0047, LOOKING EAST AT MA1-S14, MA1-S23, MA1-S24

Scale: 1 square = _____

Rite in the Rain

MINICUS AREA 3/12/15

1239: M.LINK ARRIVES AT MAI-S13
GPS#191, 0403139, 3842230
1247: COLLECT MAI-S13-Ø
1254: COLLECT MAI-S13-I
1300: PHOTO 0048, LOOKING E AT MAI-S13
1302: PHOTO 0049, LOOKING S AT MAI-S13
GPS# 192, 0403139, 3842231 FOR PHOTO 0049
GPS#193, 0403138, 3842234 FOR PHOTO 0049
1307: M.LINK ARRIVES AT MAI-S22
GPS#194, 0403160, 3842212
1317: COLLECT MAI-S22-Ø
1324: COLLECT MAI-S22-I
1329: PHOTO #0050, LOOKING NE AT MAI-S22 & MAI-S23 GPS#195
0403164, 3842206
1341: M.LINK ARRIVES AT MAI-S26
GPS#196, 0403161, 3842165
1346: COLLECT MAI-S26-Ø
1352: COLLECT MAI-S26-I
1359: PHOTO 0051, LOOKING NORTH AT MAI-S26, GPS#197 0403162, 3842163
1401: PHOTO 0052, LOOKING SW AT MAI-S26. MAI-S4 IN BACKGROUND
GPS# 198, 0403165, 3842163

Scale: 1 square = _____

MINICUS AREA 3/12/15

1405: M.LINK ARRIVES AT MAI-S12
GPS#199, 0403117, 3842211
1409: COLLECT MAI-S12-Ø
1418: COLLECT MAI-S12-I
1424: PHOTO 0053, LOOKING SW AT MAI-S12 S5 & S4
GPS# 200, 0403112, 3842212
1426: PHOTO 0054, LOOKING S AT MAI-S12 & S21
GPS# 201, 0403115, 3842214
1430: M.LINK ARRIVES AT MAI-S11
GPS# 202, 0403096, 3842189
1440: COLLECT MAI-S11-Ø & DUPE
1447: COLLECT MAI-S11-I
1451: PHOTO 0055, LOOKING W AT MAI-S11 & S4. GPS#203, 0403096, 3842185
1503: M.LINK ARRIVES AT MAI-S10
GPS# 204, 0403073, 3842168
1507: COLLECT MAI-S10-Ø
1511: COLLECT MAI-S10-I & DUPE
1517: PHOTO #0056, LOOKING N AT MAI-S10 & S5 IN DISTANCE
GPS# 205, 0403075, 3842165
1519: PHOTO #0057, LOOKING E AT MAI-S10

Scale: 1 square = _____

Rite in the Rain

MINGUS AREA 3/12/15

1531Z: M.LINK ARRIVES AT MA1-59
GPS# 206, 0403053, 3842142
1532: COLLECT MA1-59-0 ———
1538: COLLECT MA1-59-1 ———
1542: PHOTO #0058, LOOKING NE AT
MA1-59. GPS# 207, 0403058, 3842139
1544: PHOTO #0059 LOOKING S AT MA1-
59. GPS# 208, 0403065, 3842141
1555: M.LINK ARRIVES AT MA1-58
GPS # 209, 0403026, 3842123.
LOCATION MOVED 10-15 FT SW DUE
TO HEAVY BRUSH IN THE VICINITY.
1600: COLLECT MA1-58-0 ———
1605: COLLECT MA1-58-1 ———
1609: PHOTO #0060 LOOKING NE AT
MA1-58. GPS# 210, 0403025, 3842121
1611: PHOTO # 0061, LOOKING SW AT MA1-
58 + S1. GPS# 211, 0403030, 3842121
1613: M.LINK ARRIVES AT MA1-518 —
GPS# 212, 0403030, 3842083
1618: COLLECT MA1-518-0 + MS/MSD
1624: COLLECT MA1-518-1 ———
1628: PHOTO 0062, LOOKING NW AT MA1-518
+ S3. GPS# 213, 0403033, 3842081

Scale: 1 square = _____

MINGUS AREA 3/12/15

1636: PHOTO 0063, LOOKING NE AT MA1-
518. GPS# 214, 0403029, 3842081
1635: M.LINK ARRIVES AT MA1-530
GPS# 215, 0403076, 3842039 ———
: COLLECT MA1-530-0 + DUPE ———
——: COLLECT MA1-530-1 ———
1650: PHOTO 0064, LOOKING NW AT MA1-
30. GPS# 216, 0403080, 3842036
1652: PHOTO 0065, LOOKING N AT MA1-
30. GPS# 217, 0403077, 3842036 ———
1701: ARRIVE AT MA1-519 ———
GPS# 218 0403052, 3842102 ———
1707: COLLECT MA1-519-0 ———
1712: COLLECT MA 1-519-1 ———
1716: PHOTO 0066, LOOKING SW AT MA1-
519, 518 + S1. GPS# 219, 0403060,
3842101 ———
1717: PHOTO 0067, LOOKING NE AT MA1-519
+ S21, GPS# 220, 0403047, 3842097
1720: M.LINK ARRIVES AT MA1-520
GPS# 221, 0403074, 3842123 ———
1724: COLLECT MA1-520-0 + DUPE ———
1731: COLLECT MA1-520-1 ———

Scale: 1 square = _____

Rite in the Rain

MINGUS AREA 3/12/15

1735: PHOTO 0068, LOOKING S AT MA1-S20, S19 + S18 GPS# 222 0403079, 3842127

1736: PHOTO 0069, LOOKING NE AT MA1-S20 + S21, GPS# 223 0403072, 3842120

1749: PHOTO 0070, LOOKING NE AT MA1-S16 S17 IN BACKGROUND. GPS# 224 0403200 3842294.

1751: PHOTO 0071, LOOKING ~~NW~~ NE AT MA1-S28 S16 + S24. GPS# 225, 0403250, 3842250 PINK FLAG

1806: PHOTO 0072, LOOKING NE AT ~~MA3-S1~~ MA3-S1. WINDSOCK IN BACKGROUND GPS# 226 0403227, 3842575

1808: PHOTO 0073, LOOKING E AT MA3-S2 WINDSOCK FRONT GATE, IN BACKGROUND GPS# 227, 0403250, 3842596

1810: PHOTO 0074, LOOKING E AT MA3-S3 WINDSOCK TO THE LEFT. GPS# 228 0403276, 3842597

1811: PHOTO 0075, LOOKING S AT MA3-S3 AND MA3- + GPS# 229, 0403279, 3842598

Scale: 1 square = _____

MINGUS AREA 3/12/15

1812: PHOTO 0076, LOOKING N AT MA3-S4 GPS# 230, 0403316, 3842599

1813: PHOTO 0077 LOOKING W AT MA3-S6 GPS# 231, 0403378, 3842614

1814: PHOTO 0078, LOOKING AT W AT MA3-S5 GPS# 232, 0403354, 3842614

1815: PHOTO 0079, LOOKING SW AT MA3-S9, S8, S11. GPS# 233, 0403329, 3842580

1816: PHOTO 0080, LOOKING N1 AT MA3-S8 GPS# 0403264, 3842566

~~1817~~ 1820: PHOTO 0081 LOOKING S AT MA3-S7 + MA-S10. GPS# 235, 0403267, 3842565

1823: PHOTO ~~0082~~ 0083, LOOKING N AT MA3-S11 GPS# 236, 0403300, 3842545

GPS# 237, 0403309, 3842626 IS WINDSOCK

1827: LOOKING SW AT OVERALL AREA 3 PHOTO #3 GPS# 238, 0403318, 3842655

1830: PHOTO 0084, LOOKING S OVER AREA 3 GPS 239, 0403353, 3842774

1833: PHOTO 0085 LOOKING SW OVER AREA 3 GPS 240, 0403384, 3842722

1850: RETURN TO VEHICLE TO ASSIST WITH SIGNING AND CLEAN UP

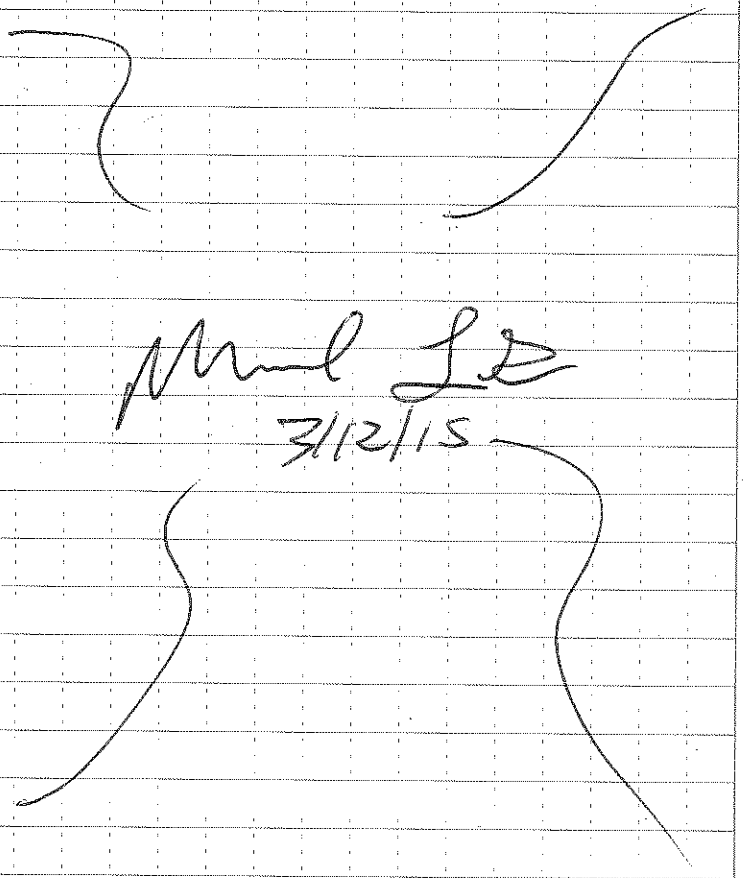
3/12/15

Scale: 1 square = _____

Rite in the Rain

MINERS AREA 3/12/15

1900: M. LINK + G. REUSS PACK UP VEHICLE AND DEPART SITE, ENROUTE TO GAS STATION TO ICE DOWN SAMPLES



M Link LR
3/12/15

Scale: 1 square = _____

MINERS AREA 3/13/15

0630: M.LINK + G.REUSS BEGIN FINAL ICING OF ALL SAMPLE COOLERS TO ENSURE PROPER TEMPERATURE OF SAMPLES AT SAMPLE DELIVERY.

0730 ARRIVE ON-SITE FOR FINAL PICTURES.

* WEATHER: 55°F, SUNNY, WIND CALM.

0740: PHOTO 0086, LOOKING SE AT MA1-S1 + S18 + S19. GPS # 241, 0403989, 3942129.

0743: PHOTO 0087, LOOKING E AT MA1-S2 + S3. GPS 242 0402984, 3942161

0746: PHOTO 0088, LOOKING S AT MA1-~~S3~~ S2 + S18. GPS # 243 ~~0402~~ 0403052, 3942174

0750: PHOTO 0089, LOOKING NE AT MA1-S4 + S5. GPS # 244, 0403070, 3942206

0754: PHOTO 0090, LOOKING NE AT MA1-S6 + S7. GPS # 245, 0403113, 3942250

0756: PHOTO 0091, LOOKING N AT MA1-S7 + AREA 3. GPS # 246, 0403162, 3942295

0801: PHOTO 0092, LOOKING S AT MA1-S29. GPS 0403289, 3942302 # 247

0805: PHOTO 0093, LOOKING S AT MA1-S25 + S28, GPS # 248, 0403248, 3942298

Scale: 1 square = _____

Rite in the Rain

MINGUS AREA 3/13/15

0815: PHOTO 0094, LOOKING S AT MAT-515. GPS # 249, 0403182, 3942277

0823: PHOTO 0095, LOOKING SW AT MAT-521, 519, 518. GPS # 250, 0403098, 3942151 –

0835: M. UNK + C. ROWSEY DEPART SITE, EN ROUTE TO ORANGE COAST LABORATORY FOR SAMPLE DROP OFF.

Mark Lz

3/13/15

Scale: 1 square = _____

Scale: 1 square = _____

Rite in the Rain