

REDACTED

"Outdoor writing products for outdoor writing people."



RECYCLABLE

"Rite in the Rain" - A unique All-Weather Writing 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.

Available in a variety of standard and custom printed case-bound field books, loose leaf, spiral and stapled notebooks, multi-copy sets and copier paper.

For best results, use a pencil or an all-weather pen.

a product of

J. L. DARLING CORPORATION

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www.RiteintheRain.com

Item No. 351

ISBN 1-932149-27-9

US PAT NO: 6,863,940



6 32281 35111 5

ROUND 3

Mills Gap

10-0014

Log Book 1 of 1



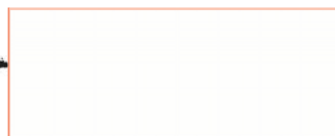
"Rite in the Rain"

ALL-WEATHER

FIELD

No. 351

SITE: Mills Gap Rd
BREAK: 2.12
OTHER: 13



INCH

"Rite in the Rain"

Project name Mills GAP
 1 Project location Asheville, NC
 Project number 10-0014
 Project leader Marty Allen
 Sample team leader MARTY Allen
 2 Sample team members ART MASTERS

Sample station / number ID
 Sampling procedure
 Sample collection equipment (ID, if applicable)
 3 Description of sample
 Time
 Preservation (including ice)
 Team members duties
 Conditions during sampling
 GPS coordinates
 Monitoring - ice
 4 Other pertinent info.

Sample station
 Equipment (SESD #, manufacturer, model)
 Manufacturer, lot #, exp date of standards
 Calibrations before/after readings
 Who calibrated
 5 Calibration acceptability.
 Time
 Sample/media description
 Who performed measurement / took notes
 GPS coordinates
 Site conditions / air temp
 Maintenance / malfunctions

Marty Allen

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Marty Allen

10/13/09

Arrive in Asheville, NC approx 1215.
Weather: partly cloudy, Temp approx 75°F.

Meter Calibrations GPS SED ID # 073108-11

Hach Turbidity meter

SED ID 073008-01 Next calibration due

11/5/09. Standard lot # 48178

4.43 reads 4.50

57 reads 57.1

534 reads 538

Next Thermometer SED ID 031407-05

Crim 4 star sed 100907-08

with probe 8/probe 8

Standard 4.01 reads 4.01

7 reads 7.01

Slope = 103

Conductivity meter standard 1413 reads 1413

cell constant = 0.478

Temperature on instrument 26.8°C

Temperature on NIST 25.8°C

Ambient Temperature 28.6°C on probe

Buffer = Cation 4.01 lot 2809523 exp 09/2010

pH single cation 7 lot 2810392 exp 10/2010

Conductivity Thermo 1413 lot MRC exp 09/10

10/13/09

Arrive @

Station ID MGPV 137 sample

ID MG 137,009.

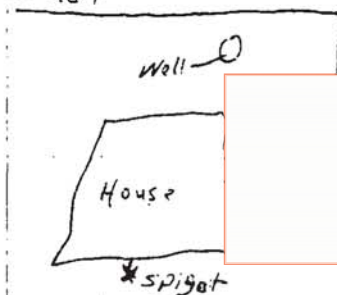
Resident

N 35.48876

N 080.49086

± 17 ft

Walsh



3 photos, 100-418

100-419

100-420

sample/purge point is at spigot, there is not a faucet on well. Start pump @ 1305.

Sample station will be in MS/MSD sample.

Time	Temperature	pH	Conductivity (cond)	Turbidity (NTU)
1305	18.2	5.70	172.5	1.34
1310	16.0	5.90	157.7	0.61
1315	15.9	5.94	176.7	0.27
1320	16.2	5.92	177.8	0.34

Sample Time @ 1325

9 40 ml containers filled

10/13/09

Arrive in Ashville, NC approx 1215;
 weather, partly cloudy, Temp approx 75°F

Meter Calibration GPS SED ID # 073108-11

Hach Turbidity meter

SED ID 073008-01 next calibration due

11/5/09. Standard lot # 48178

4.43 reads 4.50

57 reads 57.1

534 reads 538

Next Thermometer SED ID 031407-05

Orion 4 Star SED 100907-08

with probe & probe

Standard 4.01 reads 4.01

7 reads 7.01

Slope = 103

Conductivity meter Standard 1413 reads 1413

Cell constant = 0.478

Temperature on instrument 26.8°C

Temperature on Wist 25.8°C

Ambient Temperature 28.0°C on probe

Buffer = Calton 4.01 lot 2809523 exp 09/2010

pH singles calton 7 lot 2810392 exp 10/2010

Conductivity Thermo 1413 lot MRIC exp 09/10

10/13/09

Arrive @

Station ID MGN 137 5.2 miles

ID MG 1371009.

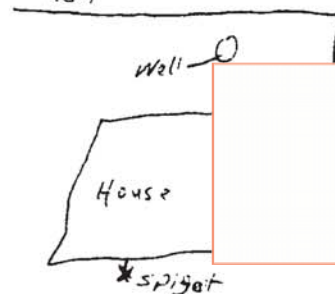
resident

N 35.48876

N 082.49086

±17 ft

Walsh



3 photos, 100-418

100-419

100-420

- sample/purge point is the spigot, there is not a faucet on well. Start pump @ 1305.

- Sample station will be for MS/MSD samples.

Time	Temperature	pH	Conductivity (cond)	Turbidity (NTU)
1305	18.2	5.70	172.5	1.34
1310	16.0	5.90	157.7	0.61
1315	15.9	5.94	176.7	0.27
1320	16.2	5.92	177.8	0.34

Sample Time @ 1325

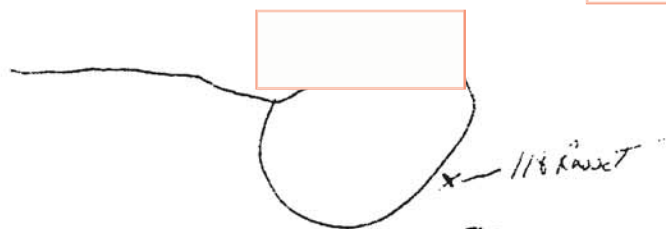
9 40 ml containers Filled

10/13/09

Arrive @ [redacted] @ 1258.

STATION ID MG PN 135

Sample ID MG 135 1009 [redacted]



GPS N 35.48840
W 082.49203
± 26 FT

- Start pump @ 1352

Time	Temp	pH	Con	Turb
1352	14.3	6.03	134.5	65.9
1357	14.6	6.09	134.9	101
1402	15.1	6.11	133.5	78.4
1407	15.6	6.26	132.9	41.8

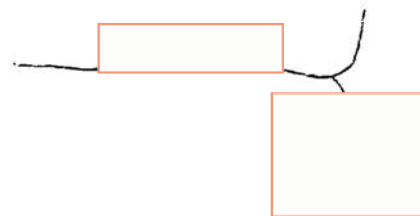
Sample Time @ 1410. Sample collected from faucet @ well w/ strainer. Steel scoop due to concerns of electrical wiring in & around Sample Area / faucet. 3, 40ml containers Filled. 2 photos taken 100-421, 100-422

10/13/09

Arrive @ [redacted] @ 1750

STATION ID MG PN 136

Sample ID MG 136 1009



GPS N 35.48343
W 082.50001
± 16 FT
1 photo taken,
100-423

Start pump @ 1800

Time	Temp	pH	Con	Turb
1800	19.4	6.35	141.3	0.92
1805	19.1	6.40	141	0.85
1810	19.5	6.43	140.7	0.84

Sample Time @ 1815. Duplicate Sample Time @ 1815. 3, 40ml containers collected per Sample. Sample was collected from faucet @ well. None due to the ALL NO Faucets out s.l.

10/13/09

Meter Post Check

Conductivity meter

standard 1413 = 1445

pH meter 4 = 4.20
7 = 7.14

Turbidity meter

standard 4.43 = 4.81

57 = 57.5

534 = 53.7

All samples were placed on ice as
a preservative. All samples were collected
by Dr. Masters.

END

