

App E –
Sub-Area 2.1.COC Forms

Page: _____ of _____ Project #: GEL Quote #: COC Number (1): PO Number:	<h2 style="text-align: center;">GEL Chain of Custody and Analytical Request</h2> <p style="text-align: center;">**See www.gcl.com for GEL's Sample Acceptance SOP**</p> <p>GEL Work Order Number: _____</p>	GEL Laboratories, LLC 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178
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[illegible][illegible]

TAT Requested: Normal:	Rush:	Specify:	(Subject to Search/ryc)	Fax Results:	Yes	/	No	Circle Deliverable: C of A / OC Summary / Level 1 / Level 2 / Level 3 / Level 4
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Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards	Sample Collection Time Zone	
	Eastern	Pacific
	Central	Other _____
	Mountain	

Chain of Custody Signatures						Sample Shipping and Delivery Details	
Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time		
						GEL PM:	
1			1			Method of Shipment:	Date Shipped:
2			2			Airbill #:	
3			3			Airbill #:	

- | | | |
|---|----------------------------|---------------|
| 1. Chain of Custody Number = Client Determined | For Lab Receiving Use Only | |
| 2. QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spikes Duplicate Sample, G = Grab, C = Composite | | |
| 3. Field Filtered: For liquid matrices, Indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered. | Custody Seal Intact? | |
| 4. Matrix Code: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, ML=Misc Liquid, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Pipe, U=Urine, F=Fecal, N= | YES NO | |
| 5. Sample Analysis Request: Analytical method requested (i.e. 8260D, 6010B/7470A) and number of analytes provided for each (i.e. 8260B - 3, 6010B/7470A - 1). | Cooler Temp: | |
| 6. Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexam, ST = Sodium Thiosulfate, if no preservative is added = leave field blank | C | |
| WHITE = LABORATORY | YELLOW = FILE | PINK = CLIENT |

FIELD COPY

Page: _____ of _____ Project #: _____ GEL Quote #: _____ COC Number (1): _____ PO Number: _____		GEL Chain of Custody and Analytical Request **See www.gel.com for GEL's Sample Acceptance SOP** GEL Work Order Number: _____		GEL Laboratories, LLC 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178												
Client Name: _____		Phone #: _____		Sample Analysis Requested (5) (Fill in the number of containers for each test)												
Project/Site Name: _____		Fax #: _____		Should this sample be considered _____											Preservative Type (6)	
Address: _____																
Collected by: _____		Send Results To: _____		Radi oacti ve	TSC A Regu lated											Comments Note: extra sample is required for sample specific QC
Sample ID		*Date Collected (mm-dd-yy)	*Time Collected (Military) (hh:mm)			QC Code (3)	Field Filtered (4)	Sample Matrix (4)								
*For composites - indicate start and stop date/time																
✓ 1.1.C1	10/22/15															
✓ 1.1.C2	10/22/15															
✓ 1.1.C3	10/22/15															
✓ 1.2.C1	10/22/15															
✓ 1.2.C2	10/22/15															
✓ 1.2.C3	10/22/15															
1.1.R5	10/22/15			EB												
1.2.R5	10/22/15															
TAT Requested: Normal: _____ Rush: _____ Specify: _____ (Subject to Surcharge)		Fax Results: Yes / No		Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4												
Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards												Sample Collection Time Zone Eastern Pacific Central Other _____ Mountain				
Chain of Custody Signatures						Sample Shipping and Delivery Details										
Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time	GEL PM:										
1			1			Method of Shipment:			Date Shipped:							
2			2			Airbill #:										
3			3			Airbill #:										
1) Chain of Custody Number - Client Determined 2) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite 3) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered. 4) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, ML= Misc Liquid, SO=Soil, SD=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Feval, N=... 5) Sample Analysis Requested Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1) 6) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank WHITE = LABORATORY YELLOW = FILE PINK = CLIENT												For Lab Receiving Use Only Custody Seal Intact? YES NO Cooler Temp: C				

Field Copy

Page: _____ of _____	GEL Chain of Custody and Analytical Request **See www.gel.com for GEL's Sample Acceptance SOP** GEL Work Order Number:	GEL Laboratories, LLC 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178
Project #:		
GEL Quote #:		
COC Number (U):		
PO Number:		

Client Name:		Phone #:		Sample Analysis Requested (5) (Fill in the number of containers for each test)																		
Project/Site Name:		Fax #:		Should this sample be considered:	<-- Preservative Type (6) Comments Note: extra sample is required for sample specific QC																	
Address:																						
Collected by:		Send Results To:		Radiation	TSC A Regulated	Per of																
Sample ID	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hh:mm)	QC Code on				Field Filtered (F)	Sample Matrix (M)														
*For composites - indicate start and stop date/time																						
✓2.1.1.R.1	10-23-15	1320	N																			
✓2.1.1.R.2	10-23-15	1330	N																			
✓2.1.1.R.3	10-23-15	1420	N																			
✓2.1.1.R.5	10-23-15	1325	N																			
✓2.1.2.R.1	10-23-15	1350	N																			
✓2.1.2.R.2	10-23-15	14:00	N																			
✓2.1.3.R.1	10-23-15	14:15	N																			
✓2.1.3.R.2	10-23-15	14:25	N																			
✓2.1.3.R.5	10-23-15	14:25	FD																			
✓2.1.4.R.1	10-23-15	14:40	N																			

TAT Requested: Normal / Rush: Specify (Subject to Surcharges) / Fax Results: Yes / No / Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards

Sample Collection Time Zone
 Eastern Pacific
 Central Other
 Mountain

Chain of Custody Signatures				Sample Shipping and Delivery Details			
Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time	GEL PM:	
1			1			Method of Shipment:	
2			2			Date Shipped:	
3			3			Airbill #	

1) Chain of Custody Number - Client Determined

2) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered

4) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, ML=Misc Liquid, SO=Soil, SD=Settlement, SL=Sludge, SS=Solid Waste, Q=Oil, F=Fish, P=Plants, U=Urine, F=Feces, N=Not

5) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1)

6) Preservative Type: HA = Hydrochloric Acid, NA = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added - leave field blank

WHITE = LABORATORY

YELLOW = FILE

PINK = CLIENT

For Lab Receiving Use Only

Custody Seal Intact?

YES NO

Cooler Temp

C

Entered COC 10/23

Page: _____ of _____	<h2 style="text-align: center;">GEL Chain of Custody and Analytical Request</h2> <p style="text-align: center;">**See www.gel.com for GEL's Sample Acceptance SOP**</p>	GEL Laboratories, LLC
Project #: _____		2040 Savage Road
GEL Quote #: _____		Charleston, SC 29407
COC Number ⁽¹⁾ : _____		Phone: (843) 556-8171
PO Number: _____		Fax: (843) 766-1178
GEL Work Order Number: _____		

Client Name:	Phone #:	Sample Analysis Requested ⁽⁵⁾ (Fill in the number of containers for each test)
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[illegible][illegible]

						Comments						
Collected by:						Send Results To:						

[illegible]

TAT Requested: Normal	Rush:	Specify:	(Subject to S&H charges)	Fax Results	Yes	/	No	Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4
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Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards 	Sample Collection Time Zone	
	Eastern	Pacific
	Central	Other _____
	Mountain	

Chain of Custody Signatures						Sample Shipping and Delivery Details	
Relinquished By (Signed)	Date	Time	Received by (Signed)	Date	Time		
1			1			GEL PM:	
2			2			Method of Shipment:	Date Shipped
3			3			Airbill #:	

1) Chain of Custody Number - Client Determined	<p><i>For Lab Receiving Use Only</i></p> <p><i>Custody Seal intact?</i></p> <p><i>YES NO</i></p> <p><i>Cooler Temp</i></p> <p><i>C</i></p>
2) QC Codes: N = Nominal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite	
3) Field Filtered: For liquid matrices, indicate with a -Y- for yes the sample was field filtered or -N- for sample was not field filtered.	
4) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, ML=Misc Liquid, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Not	
5) Sample Analysis Requested: Analytical method requested (i.e. 8260-B, 6010B/7474A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7474A - 1).	
6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfamic Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank	
<div> <div>WHITE = LABORATORY</div> <div>YELLOW = FILE</div> <div>PINK = CLIENT</div> </div>	

For Lab Receiving Use Only	
Custody Seal Intact?	
YES	NO
Cooler Temp	
C	

Entered
NOV 10-27

App E –

Sub-Area 2.1. Instrument Field Sheets

Instrument Field Response Check Log

1. Instrument Information¹

Ratemeter: Make/Model: LUDLUM 2241-2 Serial No. 262737 Cal. Due Date: 9/2/16
 Detector 1: Make/Model: LUDLUM 44-10 Serial No. PR11127
 Bicron MicroRem Meter: Serial No. A2244 Cal. Due Date: 8/4/16

2. Check Source Information:

Source 1 Isotope: Th232 Serial No.: 116 Activity: 40.1 units: uCi Assay Date: 12/30/10
 Response Acceptance Range (+/-20%): uRem/hr +20% _____ uRem/hr -20% _____ net cpm +20% _____ net cpm -20% _____

Source 2 Isotope: Cs137 Serial No.: 87E13-48 Activity: 0.2 units: uCi Assay Date: 1/20/10
 Response Acceptance Range (+/-20%): uRem/hr +20% _____ uRem/hr -20% _____ net cpm +20% _____ net cpm -20% _____

3. Technician/Worker Performing Checks:

Name: STEVE KINSMAN Title: _____ Date: 10/23/15 Time: 0900

4. Site or Location: Site/Job: 2-1

Location Description: _____

GPS Coordinates (when required): X-Coord: N42.48316 Y-Coord: W78.70142

Instrument Field Response ²					Use Acceptance Criteria				Remarks	
Meter	Bkg Cnt Time	Bkg Counts (cpm) or uRem/hr	Source Cnt Time	Source Response (gross cpm or uRem/hr)	+/- 20% source gross cpm or uRem/hr (Y/N)	Inst. Calib. current (Y/N)	Battery Check (Y/N)	Time Of check	Ambient Temp. (°F)	Initials and Comments (add'l info: inst. Condition, etc.)
Ratemeter	1 MIN	7407	1 MIN	18526		Y	Y	0900	37.9	Th232
Ratemeter	1 MIN	7407	1 MIN	10965		Y	Y	0900	37.9	Cs137
Ratemeter	1 MIN	8606	1 MIN	19166		Y	Y	1230	49.4	Th232
Ratemeter	1 MIN	8606	1 MIN	12192		Y	Y	1230	49.4	Cs137
Ratemeter	1 MIN	7523	1 MIN	11171		Y	Y	1510	52.8	Th232/Cs137
Ratemeter	1 MIN	7523	1 MIN	19582		Y	Y	1510	52.8	Cs137/Th232
Bicron	NA	6	NA	16		Y	Y	0900	37.9	
Bicron	NA	7	NA	18		Y	Y	1230	49.4	
Bicron	NA	6	NA	18		Y	Y	1510	52.8	

- Instrument designated check source is listed on calibration sticker. Record check source response (net cpm) prior to field deployment for all check sources being used.
- Source and Background count rate should be determined from the average of three static counts at the same location. Repeat counts should be within 20%. If count rate diverges significantly, perform additional counts to evaluate instrument stability

Instrument Field Response Check Log

1. Instrument Information¹

Ratemeter: Make/Model: Liutron 2241-2 Serial No. 206898 Cal. Due Date: 09/01/16
 Detector 1: Make/Model: Liutron 44-16 Serial No. PR112642 Cal. Due Date: _____
 Bicron MicroRem Meter: Serial No. _____

2. Check Source Information:

Source 1 Isotope: Th-232 Serial No.: 111 Activity: 40.1 units: uCi Assay Date: 12/30/10
 Response Acceptance Range (+/-20%): uRem/hr +20% _____ uRem/hr -20% _____ net cpm + 20% 53798 net cpm -20% 35866
 Source 2 Isotope: Cs-137 Serial No.: 119E23-12 Activity: 0.02 units: uCi Assay Date: NA
 Response Acceptance Range (+/-20%): uRem/hr +20% _____ uRem/hr -20% _____ net cpm + 20% 5273 net cpm -20% 8049

3. Technician/Worker Performing Checks:

Name: J. Edwards Title: RCT Date: 10/25/15 Time: 0902

4. Site or Location:

Site/Job: Area 2.1 Location Description: Soby Dam
 GPS Coordinates (when required): X-Coord: N 42.48212° Y-Coord: W 078.70197°

Instrument Field Response ²					Use Acceptance Criteria					Remarks
Meter	Bkg Cnt Time	Bkg Counts (cpm) or uRem/hr	Source Cnt Time	Source Response (gross cpm or uRem/hr)	+/- 20% source gross cpm or uRem/hr (Y/N)	Inst. Calib. current (Y/N)	Battery Check (Y/N)	Time Of check	Ambient Temp. (°F)	Initials and Comments (add'l info: Inst. Condition, etc.)
Ratemeter	1 min	87.28 cpm	1 min	41841 cpm	Y	Y	Y	0907	34.7	Th-232 J.E.
Ratemeter			1 min	105491 cpm	Y	Y	Y	0912	34.9	Cs-137 J.E.
Ratemeter										
Ratemeter										
Bicron	NA		NA							
Bicron	NA		NA							
Bicron	NA		NA							
Bicron	NA		NA							

- Instrument designated check source is listed on calibration sticker. Record check source response (net cpm) prior to field deployment for all check sources being used.
- Source and Background count rate should be determined from the average of three static counts at the same location. Repeat counts should be within 20%. If count rate diverges significantly, perform additional counts to evaluate instrument stability



Rev 1 10/18/15

Instrument Field Response Check Log

1. Instrument Information¹

Ratemeter: Make/Model: Ludlum 2241-2 Serial No. 206098 Cal. Due Date: 09/01/16
 Detector 1: Make/Model: Ludlum 44-10 Serial No. PE112642
 Bicron MicroRem Meter: Serial No. _____ Cal. Due Date: _____

2. Check Source Information:

Source 1 Isotope: Th-232 Serial No.: 111 Activity: 40.1 units: uCi Assay Date: 12/30/10
 Response Acceptance Range (+/-20%): uRem/hr +20% _____ uRem/hr -20% _____ net cpm + 20% 53798 net cpm -20% 35840
 Source 2 Isotope: Cs-137 Serial No.: V9E23-12 Activity: 0.02 units: uCi Assay Date: NA
 Response Acceptance Range (+/-20%): uRem/hr +20% _____ uRem/hr -20% _____ net cpm + 20% 13273 net cpm -20% 8849

3. Technician/Worker Performing Checks:

Name: J. Edwards Title: RCT Date: 10/23/15 Time: 1229

4. Site or Location:

Site/Job: Area 2.1 Location Description: Scoby Dam
 GPS Coordinates (when required): X-Coord: N42.48217° Y-Coord: W078.70197°

Instrument Field Response ²					Use Acceptance Criteria					Remarks
Meter	Bkg Cnt Time	Bkg Counts (cpm) or uRem/hr	Source Cnt Time	Source Response (gross cpm or uRem/hr)	+/- 20% source gross cpm or uRem/hr (Y/N)	Inst. Calib. current (Y/N)	Battery Check (Y/N)	Time Of check	Ambient Temp. (°F)	Initials and Comments (add'l info: inst. Condition, etc.)
Ratemeter	1min	9314 cpm	1min	46913 cpm	Y	Y	Y	1234	50.1	Th-232 JE
Ratemeter			1min	11552 cpm	Y	Y	Y	1239	50.3	Cs-137 JE
Ratemeter										
Ratemeter										
Bicron	NA		NA							
Bicron	NA		NA							
Bicron	NA		NA							
Bicron	NA		NA							

- Instrument designated check source is listed on calibration sticker. Record check source response (net cpm) prior to field deployment for all check sources being used.
- Source and Background count rate should be determined from the average of three static counts at the same location. Repeat counts should be within 20%. If count rate diverges significantly, perform additional counts to evaluate instrument stability

← Seoby Dam

10/23/15

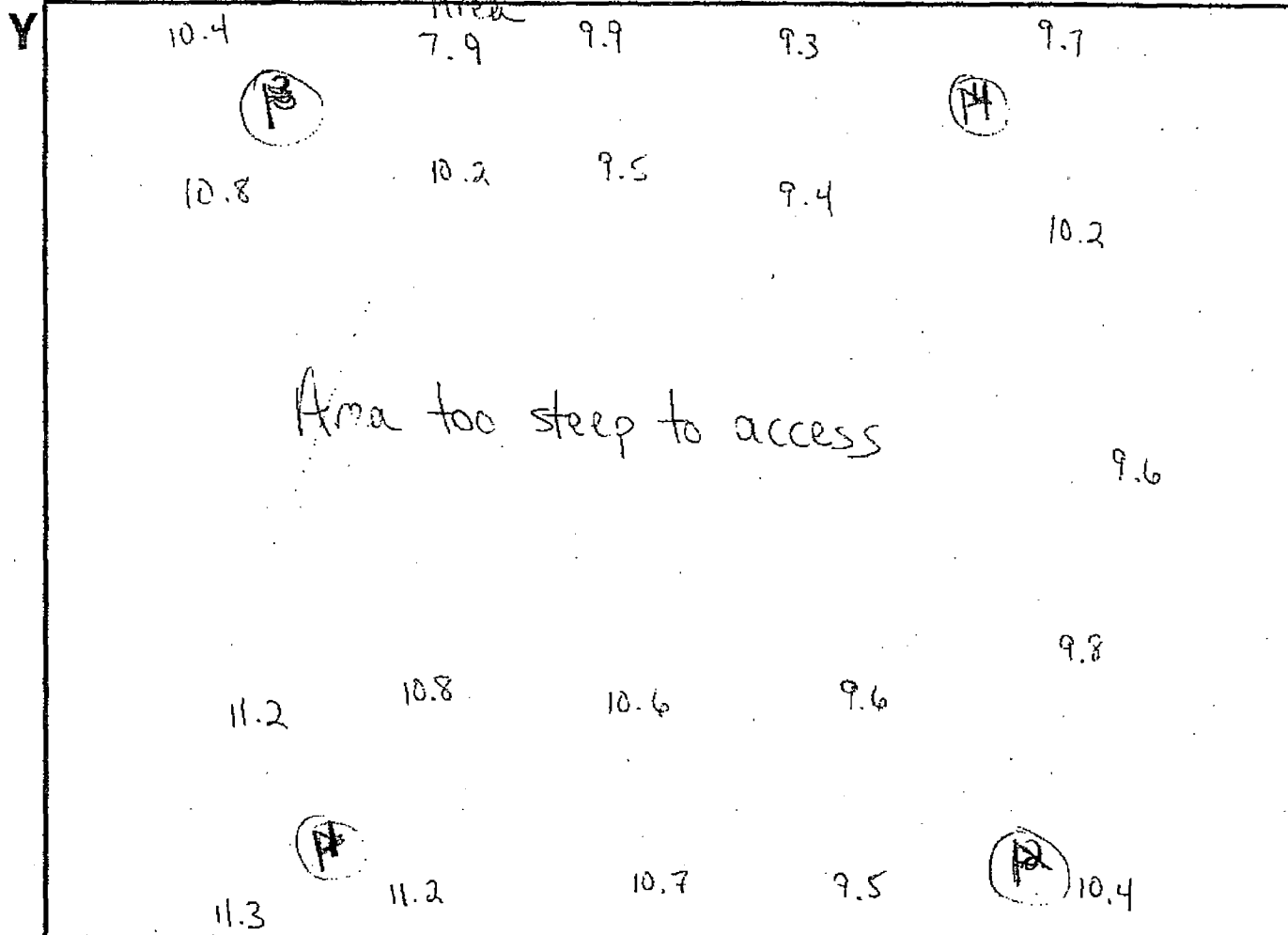
Grid Pattern Manual Data Collection Form

10/19/15

Three

Swampy AREA 2.1

Four



(X,0)

All readings in Kcpm and at 2cm from ground → X

One

Two

(P) - flags marking

One Lat. $N 42^{\circ} 28' 48.05''$ Lon. $W 78^{\circ} 42' 03.12''$ Lat. corners of 2.1

Up = N S (E) W

Two Lat. $N 42^{\circ} 28' 47.53''$ Lon. $W 78^{\circ} 42' 03.12''$

(circle)

Three Lat. $N 42^{\circ} 28' 48.05''$ Lon. $W 78^{\circ} 42' 02.35''$

Dimension (1 to 2) 12 Meters

Four Lat. $N 42^{\circ} 28' 47.53''$ Lon. $W 78^{\circ} 42' 02.35''$

Dimensions (1 to 3) 15 Meters

App E-
Sub-Area 2.1.Sample Data Sheets



MSTV TECHNICAL SERVICES

SAMPLE LOCATION DATA SHEET

Date: 10-23-15Project: NYSERDAName: Tori BrownWeather: sunny, cold

1. Sample Area (SA):

SA Designation: 2.1Description: WoodsSA Origin Location: N 42.47994° W 78.70075°Coord. System: N/WSA Land Mark Description: end scoby roadCoord: N 42.48310° W 78.70142°

2. Sample Location Data:

Sample Area ID: 2.1.1 Matrix: SoilLocation Coord: W 78.70070° N 42.47993°

Alternate Location Measurements (distance from SA origin and Local Coord.)

TB
10/23X-Dist. from Origin (0,0): N 42.47991°Y-Dist. from Origin: W 78.70023°

TB 10/23

Tree in clearing by river
50 yds E from 2.1.1Site Sketch Attached (Yes) (NO)Sample Location Description: under trees, on slope, covered in leaves, 8y W tree lineCanopy Type: Wooded Land Use: Hiking Soil Moisture (Wet, dry, etc.): Dry

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	10375	9625	7	7	N/A
1	10358	9821			N/A

4. Sample Information:

Sample Area ID: 2.1.1.R.1-3,5

Description by Depth:

Depth Interval (cm)	Soil Type (Org; clay; sand, etc.)	Soil Color	Sample ID	Sampling Description (Surface litter type/depth, sample depth retention, refusal, stone or rock, topography, erosion features)
0-15	soil	brown	2.1.1.R.1	some roots
5-15	soil	brown	2.1.1.R.2	rocks & roots
15-100	(compact soil)	tan	2.1.1.R.3	so compacted it was like concrete
0-15	soil		2.1.1.R.5	TB 10/23
0-15	soil	brown	2.1.1.R.5	some roots

Sample Recorded on Laboratory COC form and Container Labeled: (Y) (N)

10/20/15

SAMPLE LOCATION DATA SHEET

Date: 10-23-15 Project: NYSEDA Name: Tori Brown

Weather: Sunny, Warm

1. Sample Area (SA):

SA Designation: 2.1 Description: Woods
SA Origin Location: N 42.47994° W 78.70075° Coord. System: NW
SA Land Mark Description: Scooby road end Coord: N 42.48316° W 78.70142°

2. Sample Location Data:

Sample Area ID: 2.1.2 Matrix: Soil

Location Coord: W 78.70066° N 42.47995°

Alternate Location Measurements (distance from SA origin and Local Coord.)
X Dist. from Origin (0,0) N/A Y Dist. from Origin: N/A On east side of box along N5 line, middle of side

Site Sketch Attached (Yes) (NO)

Sample Location Description: under trees, by fallen tree, covered in leaves

Canopy Type: Wooded Land Use: Hiking Soil Moisture (Wet, dry, etc.): Damp

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	9680	9791	9	9	N/A
1	9848	9559			N/A

4. Sample Information:

Sample Area ID: 2.1.2, R. 1-3

Description by Depth:

Depth Interval (cm)	Soil Type (Org; clay; sand, etc.)	Soil Color	Sample ID	Sampling Description (Surface litter type/depth, sample depth retention, refusal, stone or rock, topography, erosion features)
0-5	Soil	brown	2.1.2.R.1	roots & rocks
5-15	Soil	Dark	2.1.2.R.2	roots & rocks
15-25				

Sample Recorded on Laboratory COC form and Container Labeled: (Y) (N)

SAMPLE LOCATION DATA SHEET

Date: 10-23-15 Project: NYSERDA Name: Tom Brown

Weather: Sunny, warm

1. Sample Area (SA):

SA Designation: 2.1 Description: Woods
SA Origin Location: N 42.47982° W 78.70086° ^{TB} _{11/23} Coord. System: N/W
SA Land Mark Description: slimy road end Coord: N 42.47954° W 78.70075°
N 42.47954° W 78.70075°

2. Sample Location Data:

Sample Area ID: 2.1.3 Matrix: Soil
Location Coord: N 42.47982° W 78.70086°

Alternate Location Measurements (distance from SA origin and Local Coord.)

X Dist. from Origin (0,0) N/A Y Dist. from Origin: N/A

Site Sketch Attached (Yes) (NO)

Sample Location Description: under trees, flat plateau by SW corner, leaves

Canopy Type: wooded Land Use: hiking Soil Moisture (Wet, dry, etc.): Dry

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	9704	10185	9	8	N/A
1	9528	10048			N/A

4. Sample Information:

Sample Area ID: 2.1.3, R.1-2

Description by Depth:

Depth Interval (cm)	Soil Type (Org; clay; sand, etc.)	Soil Color	Sample ID	Sampling Description (Surface litter type/depth, sample depth retention, refusal, stone or rock, topography, erosion features)
0-5	Soil	brown	2.1.3.R.1	some small roots
5-15	Soil	brown	2.1.3.R.2	small roots
5-15	Soil	brow	2.1.3.R.5	small roots

Sample Recorded on Laboratory COC form and Container Labeled: (Y) (N)



SAMPLE LOCATION DATA SHEET

Date: 10-23-15 Project: NYSEDA Name: Toni Brown

Weather: Sunny, warm

1. Sample Area (SA):

SA Designation: 2.1 Description: Woods
 SA Origin Location: N 42.47994° W 78.70075° Coord. System: NW
 SA Land Mark Description: scout rd end Coord: N 42.48316° W 78.70142°

2. Sample Location Data:

Sample Area ID: 2.1.4 Matrix: soil

Location Coord: N 42.47992° W 78.70078°

Alternate Location Measurements (distance from SA origin and Local Coord.)

X Dist. from Origin (0,0) NA Y Dist. from Origin: NA

Site Sketch Attached (Yes) (NO)

Sample Location Description: Wooded, leaves, between trees

Canopy Type: wooded Land Use: Hiking Soil Moisture (Wet, dry, etc.): Dry

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	9411	9474	7	7	N/A
1	9351	9377			N/A

4. Sample Information:

Sample Area ID: 2.1.4.2.1-2

Description by Depth:

Depth Interval (cm)	Soil Type (Org; clay; sand, etc.)	Soil Color	Sample ID	Sampling Description (Surface litter type/depth, sample depth retention, refusal, stone or rock, topography, erosion features)
0-5	soil	brown	2.1.4.2.1	Lomy
5-15	soil	brown	2.1.4.2.2	roots
Rinset	—	—	2.1.4.2.6	—
DI 460	pure	—	2.1.4.2.7	—

Sample Recorded on Laboratory COC form and Container Labeled: (Y) (N)