

App E –
Sub-Area 5.2 - COC Forms

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 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) Comments Note: extra sample is required for sample specific QC									
Address:														
Collected by:		Send Results To:		TSC A Regulated Der of										
Sample ID	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hh:mm)	QC Code (7)		Field Filtered (8)	Sample Matrix (9)								
* For composites - indicate start and stop date/range														
5.2A.R.3.1	12-11-15													
5.2A.R.3.2	12-11-15													
5.2A.R.4.1	12-11-15													
5.2A.R.4.2	12-11-15													
5.2A.R.5.1	12-11-15													
5.2A.R.5.2	12-11-15													
5.2A.R.6.1	12-11-15													
5.2A.R.6.2	12-11-15													
5.2A.R.7.1	12-11-15													
5.2A.R.7.2	12-11-15													
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				
1						1								
2						2								
3						3								
						GEL PM: Method of Shipment: _____ Date Shipped: _____ Airbill #: _____ Airbill #: _____								
1) Chain of Custody Number - Client Determined 2) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, BB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, C = 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=Mix Liquid, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=NB 5) Sample Analysis Requested: Analytical method requested (i.e. 8160B, 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 = Sulfonic Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added - leave field blank WHITE = LABORATORY YEL.LOW = FILE PINK = CLIENT														
For Lab Receiving Use Only Custody Seal Intact? YES NO Cooler Temp. C														

Page: _____ of _____ Project #: _____ GEL Quote #: _____ COC Number (if): _____ 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 (S) (Fill in the number of containers for each test)																			
Project/Site Name: _____					Fax #: _____					<div style="float: right;"><- Preservative Type (6)</div> <div style="clear: both;"></div> <div style="margin-top: 20px;">Comments Note: extra sample is required for sample specific QC</div>																			
Address: _____					Should this sample be considered:																								
Collected by: _____					Send Results To: _____																								
Sample ID	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hh:mm)	QC Code (A)	Field Filtered (Y/N)	Sample Matrix (S)	Radiation (Y/N)	TSC A Regulated (Y/N)	Per (S)																					
S.2.B.R.3.1	12/11/15																												
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Page: _____ of _____ Project #: _____ GEL Quote #: _____ COC Number 01: _____ 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																																																									
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>*Date Collected (mm-dd-yy)</th> <th>*Time Collected (Military) (hhmm)</th> <th>QC Code 01</th> <th>Field Filtered 01</th> <th>Sample Matrix 01</th> </tr> </thead> <tbody> <tr><td>S.2.B.R.8.1</td><td>12/11/15</td><td></td><td></td><td></td><td></td></tr> <tr><td>S.2.B.R.8.2</td><td>12/11/15</td><td></td><td></td><td></td><td></td></tr> <tr><td>S.3.A.R.2.1</td><td>12/11/15</td><td></td><td></td><td></td><td></td></tr> <tr><td>S.3.A.R.2.2</td><td>12/11/15</td><td></td><td></td><td></td><td></td></tr> <tr><td>S.3.A.R.3.1</td><td>12/11/15</td><td></td><td></td><td></td><td></td></tr> <tr><td>S.3.A.R.3.2</td><td>12/11/15</td><td></td><td></td><td></td><td></td></tr> <tr><td>S.3.A.R.4.1</td><td>12/11/15</td><td></td><td></td><td></td><td></td></tr> <tr><td>S.3.A.R.4.2</td><td>12/11/15</td><td></td><td></td><td></td><td></td></tr> <tr><td>S.3.A.R.4.5</td><td>12/11/15</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		Sample ID	*Date Collected (mm-dd-yy)					*Time Collected (Military) (hhmm)	QC Code 01	Field Filtered 01	Sample Matrix 01	S.2.B.R.8.1	12/11/15					S.2.B.R.8.2	12/11/15					S.3.A.R.2.1	12/11/15					S.3.A.R.2.2	12/11/15					S.3.A.R.3.1	12/11/15					S.3.A.R.3.2	12/11/15					S.3.A.R.4.1	12/11/15					S.3.A.R.4.2	12/11/15					S.3.A.R.4.5	12/11/15		
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TAT Requested: Normal _____ Rush _____ Specify: (Subject to Surge Charge) _____		Fax Results: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4																																																											
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1 _____		1 _____		Method of Shipment: _____		Date Shipped: _____																																																									
2 _____		2 _____		Airbill #: _____																																																											
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Page: _____ of _____ Project #: _____ GEL Quote #: _____ COC Number (3): _____ PO Number: _____		GEL Chain of Custody and Analytical Request <i>**See www.gel.com for GEL's Sample Acceptance SOP**</i>				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) Comments Note: extra sample is required for sample specific QC			
Address:								
Collected by:		Send Results To:		Radi	TSC	A	Regu	
Sample ID		Date Collected (mm-dd-yy)	Time Collected (Military) (hh:mm)					QC Code (2)
*For composites - indicate start and stop date/time								
5. 5A.12.4.1A, 5.5A.12.4.1B		12-14-15						
5. 5A.12.4.2A, 5.5A.12.4.2B		12-14-15						
5. 1B.12.1.1A, 5.1B.12.1.1B		12-14-15						
5. 1B.12.1.2A, 5.1B.12.1.2B		12-14-15						
5. 1B.12.2.1A, 5.1B.12.2.1B		12-14-15						
5. 1B.12.2.2A, 5.1B.12.2.2B		12-14-15						
5. 1A.12.2.1A, 5.1A.12.2.1B		12-14-15						
5. 1A.12.2.2A, 5.1A.12.2.2B		12-14-15						
5. 1A.12.2.3		12-14-15						
5. 2A.12.2.7		12-14-15						
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		
* Each line is 1 sample - A 500ml, B 500ml						Eastern _____ Pacific _____ Central _____ Other _____ Mountain _____		
Chain of Custody Signatures				Sample Shipping and Delivery Details				
Relinquished By (Signed)		Date		Received by (signed)		Date		
1				2				
2				3				
				GEL PM:				
				Method of Shipment:				
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Page _____ of _____ Project #: GEL Quote #: COC Number (4): PO Number:	<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> <p>GEL Work Order Number:</p>	GEL Laboratories, I.I.C. 2040 Savage Road Charleston, SC 29407 Phone: (843) 556-8171 Fax: (843) 766-1178
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Client Name:		Phone #:		Sample Analysts Requested (5) (Fill in the number of containers for each test)																
Project/Site Name:		Fax #:		Should this sample be considered:	<div style="display: flex; justify-content: space-between;"> <-- Preservative Type (6) </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Comments Note: extra sample is required for sample specific QC </div>															
Address:																				
Collected by:	Send Results To:																			
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S.2.A.R.1.1.A / S.2.A.R.1.1.B	12/14/15																			
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S.2.A.R.1.4.A / S.2.A.R.1.4.B	12/14/15																			
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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
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Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards. * Each line is one sample - A is 500 mL, B is 500 mL	Sample Collection Time Zone Eastern Pacific Central Other Mountain
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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	
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App E-
Sub-Area 5.2 - Field Survey Checklists

The MJW Companies

GPS Field Survey Checklist

The following field survey checklist is used once the survey team has walked to the location that they will begin a GPS survey. This checklist is intended to verify none of the cables or settings changed or cables came loose between the initial setup location and the field survey location. Complete step 9 once the current walkover segment is complete

1. 3 Verify the Ludlum Meter is in Rate mode
2. JB Verify that the Ludlum Meter is alternating display of "DUP" and "Value"
3. JB Set Menu 1 to "Status" and Menu 2 to "Receiver"
4. JB Verify that Antenna states "External"
5. JB Set Menu 1 to "Data"
6. JB Name a file to start the current survey and start the data logger

Filename: D-14 GPS Log

7. JB Set Menu 1 to "Status" and Menu 2 to "Sensor"
8. JB Verify that the sensor field is reading the same as the display on the Ludlum
9. JB When finished, set Menu 1 to "Data" and close the current file.

Name: John H. Bo Date: 12/14/15

The MJW Companies
GPS Initial Setup Checklist

1. ☒ Complete source check of Ludlum Meter
2. ☒ Power off Ludlum Meter
3. ☒ Verify Trimble is shutdown (not in suspend mode)
4. ☒ Connect the Serial Interface Adapter (SIA) to the Trimble Unit
5. ☒ Connect the Serial cable to the Ludlum Meter
6. ☒ Connect the Serial cable to the Trimble SIA
7. ☒ Connect external GPS antenna cable to the Trimble
8. ☒ Power on Ludlum Meter to Rate mode
9. ☒ Verify that the Ludlum Meter is alternating display of "DUP" and "Value"
10. ☒ Power on the Trimble and wait for it to completely boot
11. ☒ Launch TerraSync and wait for it to load and acquire satellites
12. ☒ Set Menu 1 to "Status" and Menu 2 to "Receiver"
13. ☒ Verify that Antenna states "External"
14. ☒ Set Menu 1 to "Data"
15. ☒ Name a test file and start the data logger
16. ☒ Set Menu 1 to "Status" and Menu 2 to "Sensor"
17. ☒ Verify that the sensor field is reading the same as the display on the Ludlum
18. _____ Set Menu 1 to "Data" and close the current file.

SWITCH TO
TRIM #2 →

#1 will not power on!

Name: _____

Date: _____

5.14.15

5:53 AM

The MJW Companies

GPS Field Survey Checklist

The following field survey checklist is used once the survey team has walked to the location that they will begin a GPS survey. This checklist is intended to verify none of the cables or settings changed or cables came loose between the initial setup location and the field survey location. Complete step 9 once the current walkover segment is complete.

1. 4/3 Verify the Ludlum Meter is in Rate mode
2. 4/3 Verify that the Ludlum Meter is alternating display of "DUP" and "Value"
3. 4/12 Set Menu 1 to "Status" and Menu 2 to "Receiver"
4. 4/13 Verify that Antenna states "External"
5. 5/13 Set Menu 1 to "Data"
6. 4/13 Name a file to start the current survey and start the data logger

Filename: 12 15 55-2 6

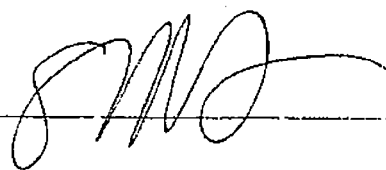
- 12 15 15 5 3 a 12 15 15 5 4 a
7. 4/13 Set Menu 1 to "Status" and Menu 2 to "Sensor"
 8. 4/13 Verify that the sensor field is reading the same as the display on the Ludlum
 9. 4/13 When finished, set Menu 1 to "Data" and close the current file.

Name: James H. Brown Date: 12/15/15

The MJW Companies
GPS Initial Setup Checklist

1. ☒ Complete source check of Ludlum Meter
2. ☒ Power off Ludlum Meter
3. ☒ Verify Trimble is shutdown (not in suspend mode)
4. ☒ Connect the Serial Interface Adapter (SIA) to the Trimble Unit
5. ☒ Connect the Serial cable to the Ludlum Meter
6. ☒ Connect the Serial cable to the Trimble SIA
7. ☒ Connect external GPS antenna cable to the Trimble
8. ☒ Power on Ludlum Meter to Rate mode
9. ☒ Verify that the Ludlum Meter is alternating display of "DUP" and "Value"
10. ☒ Power on the Trimble and wait for it to completely boot
11. ☒ Launch TerraSync and wait for it to load and acquire satellites
12. ☒ Set Menu 1 to "Status" and Menu 2 to "Receiver"
13. ☒ Verify that Antenna states "External"
14. ☒ Set Menu 1 to "Data"
15. ☒ Name a test file and start the data logger
16. ☒ Set Menu 1 to "Status" and Menu 2 to "Sensor"
17. ☒ Verify that the sensor field is reading the same as the display on the Ludlum
18. ☒ Set Menu 1 to "Data" and close the current file.

Name: _____



Date: _____

12.15.15
8:21am

**App E –
Sub-Area 5.2 - Instrument Field Sheets**

Instrument Field Response Check Log

1. Instrument Information:

RateMeter: Make/Model: Ludlum 224-2
 Detector 1: Make/Model: Ludlum 44-10
 Bicron MicroRem Meter:

Serial No. 206098
 Serial No. PR112642
 Serial No. 1487

Cal. Due Date: 09/01/16
 Cal. Due Date: 06/18/16

2. Check Source Information:

Source 1 Isotope: Th-232 Serial No.: 111
 Response Acceptance Range (+/-20%): uRem/hr +20% _____ uRem/hr -20% _____

Activity: 0.1 units: MC
 uRem/hr -20% _____

Assay Date: 12/30/15
 net cpm + 20% 53798 net cpm -20% 35866

Source 2 Isotope: Cs-137 Serial No.: 119E3-12
 Response Acceptance Range (+/-20%): uRem/hr +20% _____ uRem/hr -20% _____

Activity: 0.02 units: MC
 uRem/hr -20% _____

Assay Date: NA
 net cpm + 20% 13273 net cpm -20% 8849

3. Technician/Worker Performing Checks:

Name: J. Edwards

Title: PCT

Date: 12/11/15 Time: 0858

4. Site or Location:

Site/Job: SED / Area 5.2

Location Description: parking lot / woods

GPS Coordinates (when required): X-Coord: N 42° 32' 27.172" Y-Coord: W 78° 59' 50.352"

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	8844 cpm	1 min	45233 cpm	Y	Y	Y	0908	54.1°	Th-232 DE
RateMeter			1 min	10775 cpm	Y	Y	Y	0909	54.2°	Cs-137 DE
RateMeter	1 min	8435 cpm	1 min	42589 cpm	Y	Y	Y	1304	57.3°	Th-232 DE
RateMeter			1 min	10451 cpm	Y	Y	Y	1308	57.5°	Cs-137 DE
RateMeter	1 min	7749 cpm	1 min	45076 cpm	Y	Y	Y	1440	59.1°	Th-232 DE
RateMeter			1 min	9475 cpm	Y	Y	Y	1449	59.1°	Cs-137 DE
Bicron	NA	6 uRem/hr	NA	30 uRem/hr	Y	Y	Y	0905	54.2°	Th-232 DE
Bicron	NA	6 uRem/hr	NA	25 uRem/hr	Y	Y	Y	1357	57.3°	Th-232 DE
Bicron	NA	5 uRem/hr	NA	30 uRem/hr	Y	Y	Y	1445	59.0°	Th-232 DE

- 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



MST TECHNICAL SERVICES

Rev 110/18/15

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. PR 111127
 Bicon MicroRem Meter: Serial No. A224U Cal. Due Date: 8/4/16

2. Check Source Information:

Source 1 Isotope: Th-232 Serial No.: 116 Activity: <0.1 units: µCi Assay Date: 12/30/10
 Response Acceptance Range (+/-20%): uRem/hr +20% uRem/hr -20% net cpm + 20% 22926 net cpm -20% 15284
 Source 2 Isotope: Cs-137 Serial No.: 87E13-48 Activity: 0.02 units: µCi Assay Date: 1/20/10
 Response Acceptance Range (+/-20%): uRem/hr +20% uRem/hr -20% net cpm + 20% 13375 net cpm -20% 8919

3. Technician/Worker Performing Checks:

Name: STEVE KINSMAN Title: RET Date: 12/11/15 Time: 0900

4. Site or Location: Site/Job: S-2Location Description: WOODS

GPS Coordinates (when required): X-Coord. N 42° 32' 30.6" Y-Coord. W 79° 59' 74.9"

Instrument Field Response ⁴					Use Acceptance Criteria				Remarks	
Meter	Bkg Cnt Time (min)	Bkg Counts (cpm) or uRem/hr	Source Cnt Time (min)	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	1.0	7770	1	19788	Y	Y	Y	0900	53.0	Th 232 SK
Ratemeter	1	7770	1	11315	Y	Y	Y	0900	53.0	Cs 137 SK
Ratemeter	1	7874	1	20148	Y	Y	Y	1300	61.3	Th 232 SK
Ratemeter	1	7874	1	11267	Y	Y	Y	1300	61.3	Cs 137 SK
Ratemeter	1	6915	1	19544	Y	Y	Y	1500	59.0	Th 232 SK
Ratemeter	1	6915	1	10359	Y	Y	Y	1500	59.0	Cs 137 SK
Bicon	NA	6	NA	18	Y	Y	Y	0900	53.0	Th 232 SK
Bicon	NA	6	NA	17	Y	Y	Y	1300	61.3	Th 232 SK
Bicon	NA	5	NA	17	Y	Y	Y	1500	59.0	Th 232 SK

- 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: Ludlum 2241-2
Detector 1: Make/Model: Ludlum 44-10
Bicron MicroRem Meter:

Serial No. 200098
Serial No. PR112642
Serial No. _____

Cal. Due Date: 09/01/16
Cal. Due Date: _____

2. Check Source Information:

Source 1 Isotope: Th-232 Serial No.: 111
Response Acceptance Range (+/-20%): uRem/hr +20% _____

Activity: 40.1 units: uCi
uRem/hr -20% _____

Assay Date: 4/30/10
net cpm + 20% 53718 net cpm -20% 35866

Source 2 Isotope: Cs-137 Serial No.: 119523-12
Response Acceptance Range (+/-20%): uRem/hr +20% _____

Activity: 0.02 units: uCi
uRem/hr -20% _____

Assay Date: NA
net cpm + 20% 3273 net cpm -20% 5849

3. Technician/Worker Performing Checks:

Name: J. Edwards

Title: RCT

Date: 12/15/15 Time: 0804

4. Site or Location:

Site/Job: Area 5-2

Location Description: woods

GPS Coordinates (when required): X-Coord: N 42° 31' 8.683" Y-Coord: W 78° 58' 41.777"

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	8333cpm	1min	44189cpm	Y	Y	Y	0808	47.1°	Th-232 JG
Ratemeter			1min	10364cpm	Y	Y	Y	0812	47.3°	Cs-137 JG
Ratemeter	1min	8944cpm	1min	46517cpm	Y	Y	Y	1145	48.5°	Th-232 JG
Ratemeter			1min	10964cpm	Y	Y	Y	1150	48.5°	Cs-137 JG
Ratemeter	1min	11118cpm	1min	46862cpm	Y	Y	Y	1456	47.0°	Th-232 JG
Ratemeter			1min	13164cpm	Y	Y	Y	1449	47.6°	Cs-137 JG
Bicron	NA	8 uRem/hr	NA	40 uRem/hr	Y	Y	Y	1142	48.5°	Th-232 JG
Bicron	NA	8 uRem/hr	NA	30 uRem/hr	Y	Y	Y	1445	47.0°	Th-232 JG
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

**App E –
Sub-Area 5.2 - Sample Data Sheets**

SAMPLE LOCATION DATA SHEET

Date: 12/14/15 Project: MYSEKOA Name: J. Brown

Weather: cloudy, upper 60's

1. Sample Area (SA):

SA Designation: S.2A Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: S.2.A.R.1 Matrix: Soil

Location Coord: 42° 31' 7.46" N 78° 58' 23.45" W

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

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

Site Sketch Attached (Yes) ☒ (NO) ☐

Sample Location Description: flat ground, some trees and ground brush, dead leaves
(clear-cut)

Canopy Type: partially open Land Use: hiking, etc. Soil Moisture (Wet, dry, etc.): dry/slightly damp

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	7692	7377	5	4	cal site
1	7668	7368			Beam Micrometers #1987 6/15/16
					Ludlum 2241-2 #226098
					With probe 44-10 #112642 cal site 9/1/16

4. Sample Information:

Sample Area ID: S.2.A.R.1.1-4

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	topsoil	dark brown	S.2.A.R.1.1	few roots
15-30	topsoil	brown	S.2.A.R.1.2	few roots
30-60	topsoil/sand	brown	S.2.A.R.1.3	few roots
60-100	topsoil/sand	brown	S.2.A.R.1.4	more roots

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

SAMPLE LOCATION DATA SHEET

Date: 12/14/15 Project: N4SERDA Name: J Brown

Weather: cloudy, upper 60's

1. Sample Area (SA):

SA Designation: S.2.A Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: S.2.A.R.2 Matrix: Soil

Location Coord: 42° 31' 7.53" N 78° 58' 22.60" W

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

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

Site Sketch Attached (Yes) (NO)

Sample Location Description: flat ground, some trees and ground brush, dead leaves (cleared)

Canopy Type: partially open Land Use: hiking, etc Soil Moisture (Wet, dry, etc.): slightly damp

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	7986	7390	7	6	Bicron Bicron #1487 cal date 6/18/15
1	7764	7444			Ludlum 2241-2 # 206098
					with probe 44-16 # 112642 cal date 9/1/15

4. Sample Information:

Sample Area ID: S.2.A.R.2.1-6

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	topsoil	dark brown	S.2.A.R.2.1	Few roots
15-30	topsoil	brown	S.2.A.R.2.2	Few roots
30-60	topsoil	light brown	S.2.A.R.2.3	more roots
60-100	topsoil, sand	light brown	S.2.A.R.2.4	more roots, some large
0-15	topsoil	dark brown	S.2.A.R.2.5	Few roots
15-30	topsoil	brown	S.2.A.R.2.6	Few roots

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

SAMPLE LOCATION DATA SHEET

Date: 12-11-15 Project: NYSERDA Name: Tori Brown

Weather: calm, sunny, 40-50°F

1. Sample Area (SA):

SA Designation: 5.2A Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 5.2A.2.3 Matrix: Soil

Location Coord: N 42° 31' 56.9" W 78° 58' 23.9"

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: woods, large trees, fallen trees, leaves

Canopy Type: Open 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	6693	4414	5	4	Bicron - LUDLUM 2241-2 Serial # 262787 Cal due 9/2/16
1	6835	4285			2x2 - LUDLUM 44-10 Serial # PR111127 #A2240 Cal due 8/4/16

4. Sample Information:

Sample Area ID: 5.2A.R.3.1-2

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)
0-15	soil	Brown	5.2A.R.3.1	N/A
15-30	soil	light brown	5.2A.R.3.2	rocks, sand

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

10/20/15

SAMPLE LOCATION DATA SHEET

Date: 12-11-15 Project: NYSERDA Name: Tori Brown

Weather: Calin, sunny, 50°

1. Sample Area (SA):

SA Designation: S.2A Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: S.2A.R.4 Matrix: Soil

Location Coord: N42° 31' 06.41" W78° 58' 22.40"

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: Woods, very light brush, large trees, leaves

Canopy Type: Open Land Use: Hiking Soil Moisture (Wet, dry, etc.): _____

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	6635	6474	6	5	Bicron - LUDLUM 2241-2 Serial # 262737 cal due 9/2/16
1	6693	6418			2x2 - LUDLUM 44-10 Serial # PR111127 #A2240 cal due 8/4/16

4. Sample Information:

Sample Area ID: S.2A.R.4.1-2

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)
0-15	soil	Brown	S.2A.R.4.1	lany 5cm then light brown and rocky
15-30	soil/rocks	light brown	S.2A.R.4.2	small + medium rocks

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

10/20/15

SAMPLE LOCATION DATA SHEET

 Date: 12-11-15 Project: NYSERDA Name: Tori Brown

 Weather: Calm, sunny, 50°F

1. Sample Area (SA):

 SA Designation: 5.2A Description: Woods
 SA Origin Location: _____ Coord. System: _____
 SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

 Sample Area ID: 5.2A.R.5 Matrix: Soil

 Location Coord: N 72° 31' 06.55" W 78° 58' 23.8"

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: Saplings, large trees, leaves

 Canopy Type: Open 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	7021	6738	6	4	Bicron - LUDLUM 2241-2 Serial # 262737 Cal due 9/2/16
1	6822	6573			2x2 - LUDLUM 44-10 Serial # PR111127 #A2240 Cal due 8/4/16

4. Sample Information:

 Sample Area ID: 5.2A.R.5.1-2

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)
0-15	Soil	Brown	5.2A.R.5.1	N/A
15-30	Soil	Brown/light	5.2A.R.5.2	Small roots

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

10/20/15

SAMPLE LOCATION DATA SHEET

Date: 12-11-15 Project: NYSERDA Name: Toni Brown

Weather: calm, sunny, 50°f

1. Sample Area (SA):

SA Designation: 5.2A Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 5.2A.R.6 Matrix: Soil

Location Coord: N42°31'00.4" W78°58'24.8"

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: dead trees, very light brush, leaves

Canopy Type: Open 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	6851	6337	7	0	Bicron - LUDLUM 2241-2 Serial # 262737 cal due 9/2/16
1	6928	6428			2x2 - LUDLUM 44-10 Serial # PR11127 #A2240 cal due 8/4/16

4. Sample Information:

Sample Area ID: 5.2A.R.6.1-2

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)
0-15	Soil/rock	brown/light	5.2A.R.6.1	loosey → light brown and rocky
15-30	Soil/rock	light brown	5.2A.R.6.2	small roots, rocky

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

10/20/15

SAMPLE LOCATION DATA SHEET

Date: 12-11-15 Project: NYSERDA Name: Ton Brown

Weather: _____

1. Sample Area (SA):

SA Designation: 5.2A Description: Woods
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: 5.2A.R.7 Matrix: Soil

Location Coord: N 42° 31' 05" 9" W 78° 58' 23" 3"

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: Woods, down trees, along logging trail, leaves

Canopy Type: Open 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	7052	6303	5	4	Bicron - LUDLUM 2241-2 Serial # 262737 cal due 9/2/16
1	6804	6342			2x2 - LUDLUM 44-10 Serial # PR111127 #A2240 cal due 8/4/16

4. Sample Information:

Sample Area ID: 5.2A.R.7.1-2

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)
0-15	Soil	Brown	5.2A.R.7.1	N/A
15-30	Soil/rocks	Brown	5.2A.R.7.2	N/A

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

10/20/15

SAMPLE LOCATION DATA SHEET

Date: 12/15/15 Project: NISERDA Name: J Brown

Weather: wind, upper 40's

1. Sample Area (SA):

SA Designation: S.2.B Description: wooded lot
 SA Origin Location: _____ Coord. System: _____
 SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: S.2.B.R.1 Matrix: Soil

Location Coord: 42° 31' 5.00" N 78° 58' 24.42" W

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

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

Site Sketch Attached (Yes) ☒ (NO)

Sample Location Description: flat ground, many trees, dead leaves (cleared)

Canopy Type: slightly open Land Use: hiking etc 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	9119	8477	6	5	Bicron Micro Rad # 1487 cal due 6/18/16 Ludlum 2241-2 # 200098 Ludlum probe 44-10 # PR 112642 cal due 9/1/16
1	9076	8261			

4. Sample Information:

Sample Area ID: S.2.B.R.1.1-4

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	topsoil	dark brown	S.2.B.R.1.1	
15-30	topsoil	dark brown	S.2.B.R.1.2	
30-60	topsoil, sand	brown	S.2.B.R.1.3	
60-100	topsoil, sand	brown	S.2.B.R.1.4	

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

SAMPLE LOCATION DATA SHEET

Date: 12/15/15 Project: MUSERDA Name: J. Brown

Weather: windy, rainy, upper 40's

1. Sample Area (SA):

SA Designation: S.2.B Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: S.2.B.R.2 Matrix: Soil

Location Coord: 42° 31' 4.69" N 78° 58' 25.24" W

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

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

Site Sketch Attached (Yes) (NO)

Sample Location Description: flat ground some trees, dead leaves (cleared)

Canopy Type: partial open Land Use: hiking, etc. 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	9364	8993	7	6	Bicron Micro Rem #1487 cal date 8/13/16 Ludlum 2241-2 #206098 with probe 44-10 # PR112642 cal date 9/1/16
1	9544	8974			

4. Sample Information:

Sample Area ID: S.2.B.R.2.1-6

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	top soil	dark brown	S.2.B.R.2.1	few roots
15-30	top soil	light brown	S.2.B.R.2.2	few roots
30-60	top soil / some sand	light brown	S.2.B.R.2.3	few roots
60-100	top soil / sand	light brown	S.2.B.R.2.4	more roots / few rocks
0-15	top soil	lt. brown	S.2.B.R.2.5	few roots
30-60	top soil / sand	lt. brown	S.2.B.R.2.6	few roots

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

SAMPLE LOCATION DATA SHEET

Date: 12/11/15 Project: NYSERDA Name: J. Brown

Weather: sunny, low 50's

1. Sample Area (SA):

SA Designation: S.2.B Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: S.2.B.R.3 Matrix: Soil

Location Coord: 42° 31' 4.36" N 78° 58' 24.35" W

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

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

Site Sketch Attached (Yes) (NO)

Sample Location Description: flat, some trees, dead leaves (cleared)

Canopy Type: partially open Land Use: hiking, etc Soil Moisture (Wet, dry, etc.): damp

3. Location Radiation Readings:

2x2 NaI (cpm)			Bieron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	7805	7680	5	5	Bieron Microdium # 1487 cal due 6/15/16 Ludlum 2241-Z # 206095 with probe 44-10 # 112642 cal due 7/1/16
1	7948	7412			

4. Sample Information:

Sample Area ID: S.2.B.R.3.1.2

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)
0-15	topsoil	dark brown	S.2.B.R.3.1	few roots
15-30	topsoil	dark brown	S.2.B.R.3.2	few roots

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

SAMPLE LOCATION DATA SHEET

Date: 12/11/15 Project: ANSEL R.D.4 Name: J. R. [unclear]

Weather: Sunny, low 50's

1. Sample Area (SA):

SA Designation: S.2.B Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: S.2.B.R.4 Matrix: Soil

Location Coord: 42° 51' 4.14" N 78° 58' 25.32" W

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

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

Site Sketch Attached (Yes) (NO)

Sample Location Description: flat, some trees, dead (overgrown)

Canopy Type: partially open Land Use: hiking, etc. 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	7672	7394	6	5	Bicron Bicron #1487 cal dtd. 6/15/10 Ludlum 2241-2 #20600? with gage 44-45 #117042, cal dtd. 9/1/10
1	7781	7549			

4. Sample Information:

Sample Area ID: S.2.B.R.4.1-2

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)
0-15	topsoil	dark brown	S.2.B.R.4.1	Few roots
15-30	topsoil	dark brown	S.2.B.R.4.2	Few roots

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

SAMPLE LOCATION DATA SHEET

Date: 12/1/15 Project: NASERLA Name: J. Brown

Weather: Sunny 50's

1. Sample Area (SA):

SA Designation: S 2 B Description: Wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: S 2 B R. 5 Matrix: Sci.

Location Coord: 42° 51' 35.5" N 78° 58' 25.23" W

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

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

Site Sketch Attached (Yes) ☒ (NO) ☐

Sample Location Description: Flat ground, some trees, dead leaves (cleared)

Canopy Type: partially open Land Use: hiking, etc. Soil Moisture (Wet, dry, etc.): slightly damp

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	7825	7225	5	5	Bicron Micro Rem #1987 cal'd 6/13/16 Licellum 2241-2 #206098 with probe 44-10 #112642 cal'd 9/1/16
1	7730	7148			

4. Sample Information:

Sample Area ID: S 2 B R. 5.1-2

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)
0-15	top soil	dark brown	S 2 B R. 5.1	few roots
15-30	top soil	dark brown	S 2 B R. 5.2	few roots

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

SAMPLE LOCATION DATA SHEET

Date: 12/11/15 Project: WYSEROF Name: J. B. B. B.

Weather: Sunny, upper 50's

1. Sample Area (SA):

SA Designation: S-2-B Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: S-2-B-R-6 Matrix: Soil

Location Coord: 42° 31' 3.52" N 78° 58' 24.23" W

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

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

Site Sketch Attached (Yes) ☒ (NO)

Sample Location Description: flat ground, few trees, dead leaves (cleared)

Canopy Type: partially open Land Use: hiking, etc Soil Moisture (Wet, dry, etc.): slightly damp

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	8173	7246	5	4	Bicron Model 1000 #1087 cal date 6/2/15
1	8095	7371			Bicron 220 #201098
					with probe 44-1 #107042 cal date 9/1/15

4. Sample Information:

Sample Area ID: S-2-B-R-6-1-2

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)
0-15	topsoil	dark brown	S-2-B-R-6-1	few roots
15-30	topsoil	dark brown	S-2-B-R-6-2	few roots

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

SAMPLE LOCATION DATA SHEET

Date: 12/11/15 Project: NISLRDA Name: J. Brown

Weather: Sunny and 50's

1. Sample Area (SA):

SA Designation: S.2.B. Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: S.2.B.R.7 Matrix: Soil

Location Coord: 42° 51' 30.5" N 78° 58' 24.90" W

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

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

Site Sketch Attached (Yes) (NO)

Sample Location Description: Lint ground, some trees, dead leaves (cleared)

Canopy Type: partially open Land Use: hiking, etc. Soil Moisture (Wet, dry, etc.): slightly damp

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	8074	7754	6	5	Brown Micro Ring #1457 #1458 6/15/16
1	7934	7531			(15' from 2241-2 #266095
					with picks 44-10 #112142 10/1/16

4. Sample Information:

Sample Area ID: S.2.B.R.7.1-2

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)
0-15	topsoil	brown	S.2.B.R.7.1	few roots
15-30	topsoil	brown	S.2.B.R.7.2	more roots

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

SAMPLE LOCATION DATA SHEET

Date: 12/11/15 Project: NYSERDA Name: T. Brown

Weather: Sunny, upper 50's

1. Sample Area (SA):

SA Designation: S.2.B Description: wooded lot
SA Origin Location: _____ Coord. System: _____
SA Land Mark Description: _____ Coord: _____

2. Sample Location Data:

Sample Area ID: S.2.B.R.8 Matrix: Soil

Location Coord: 42° 31' 3.05" N 78° 58' 23.93" W

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

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

Site Sketch Attached (Yes) ☒ (NO) ☐

Sample Location Description: flat ground, some trees, dead leaves (cleared)

Canopy Type: partially open Land Use: hiking, etc. Soil Moisture (Wet, dry, etc.): slightly damp

3. Location Radiation Readings:

2x2 NaI (cpm)			Bicron (uRem/hr)		Notes
Count time (min)	1 cm	1m	1 cm	1m	
1	8324	7510	5	4	Bicron Micro Rem # 1437 cal date 6/15/14 Ludlum 2241-Z # 266098 with probe 44-16 # 112642 cal date 9/1/14
1	8250	7431			

4. Sample Information:

Sample Area ID: S.2.B.R.8.1-2

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)
0-15	topsoil	dk.bro	S.2.B.R.8.1	roots
15-30	topsoil	dk.bro	S.2.B.R.8.2	roots

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

App E-
Sub-Area 5.2- Static Survey Sheets

AREA 5.2A

[illegible]

AREA 5.2A

Date						Elevation				Coordinates	
Collected	Sample					0-15 cm	15-30 cm	30-60 cm	60-100c cm		
12-14-15	5.2A	R	1	1		X				42°31'7.46"N	78°58'23.45"W
12-14-15	5.2A	R	1	2			X				
12-14-15	5.2A	R	1	3				X			
12-14-15	5.2A	R	1	4					X		
12-14-15	5.2A	R	2	1		X				42°31'7.33"N	78°58'22.60"W
12-14-15	5.2A	R	2	2			X				
12-14-15	5.2A	R	2	3				X			
12-14-15	5.2A	R	2	4					X		
12-14-15	5.2A	R	2	5		X					
12-14-15	5.2A	R	2	6			X				
12-11-15	5.2A	R	3	1		X				42°31'6.91"N	78°58'23.91"W
12-11-15	5.2A	R	3	2			X				
12-11-15	5.2A	R	4	1		X				42°31'6.91"N	78°58'22.46"W
12-11-15	5.2A	R	4	2			X				
12-11-15	5.2A	R	5	1		X				42°31'6.55"N	78°58'23.18"W
12-11-15	5.2A	R	5	2			X				
12-11-15	5.2A	R	6	1		X				42°31'6.40"N	78°58'24.01"W
12-11-15	5.2A	R	6	2			X				
12-11-15	5.2A	R	7	1		X				42°31'6.16"N	78°58'23.19"W
12-11-15	5.2A	R	7	2			X				

42°31'06.4"N 78°58'24.8"W

42°31'05.9"N 78°58'23.3"W

AREA 5.2B

[illegible]

AREA 5.2B

Date						Elevation				Coordinates	
Collected	Sample					0-15 cm	15-30 cm	30-60 cm	60-100c cm		
12-15-15	5.2B	R	1	1		X				42°31'5.00"N	78°58'24.42"W
12-15-15	5.2B	R	1	2			X				
12-15-15	5.2B	R	1	3				X			
12-15-15	5.2B	R	1	4					X		
12-15-15	5.2B	R	2	1		X				42°31'4.69"N	78°58'25.24"W
12-15-15	5.2B	R	2	2			X				
12-15-15	5.2B	R	2	3				X			
12-15-15	5.2B	R	2	4					X		
12-15-15	5.2B	R	2	5		X					
12-15-15	5.2B	R	2	6				X			
12-11-15	5.2B	R	3	1		X				42°31'4.36"N	78°58'24.35"W
12-11-15	5.2B	R	3	2			X				
12-11-15	5.2B	R	4	1		X				42°31'4.14"N	78°58'25.32"W
12-11-15	5.2B	R	4	2			X				
12-11-15	5.2B	R	5	1		X				42°31'3.57"N	78°58'25.23"W
12-11-15	5.2B	R	5	2			X				
12-11-15	5.2B	R	6	1		X				42°31'3.52"N	78°58'24.28"W
12-11-15	5.2B	R	6	2			X				
12-11-15	5.2B	R	7	1		X				42°31'3.05"N	78°58'24.90"W
12-11-15	5.2B	R	7	2			X				
12-11-15	5.2B	R	8	1		X				42°31'3.03"N	78°58'23.93"W
12-11-15	5.2B	R	8	2			X				