

APPENDIX C DUSTFALL SNOW SURVEY FIELD SHEETS AND ANALYTICAL RESULTS

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 01 DATE (dd-mmm-yyyy): 2019-04-08 TIME (24:00): 13:54
 SAMPLED BY: SS2 LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 533964 E 7154321 N (Zone) 12
 DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -11°C Wind Direction: SE S Wind Speed (knots): 12 14
 Precipitation: rain / mist / snow (N/A) Cloud Cover: 0%, 10%, 25%, 50%, 75%, (100)
 Snow Cover: 0%, 10%, 25%, 50%, 75%, (100%) Dust in area: (Visible) Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2018-12-28

Total Volume of Water After Melting : 325 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.3	166.6	44.3	
2	126.0	169.4	43.4	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	248.3	336.0	87.7	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 2A **DATE (dd-mmm-yyyy):** 07-04-2019 **TIME (24:00):** 1205
SAMPLED BY: LC 552 **TYPE OF SAMPLE:** Dust **Other** _____
GPS COORDINATES (UTM): 535678 **E** 7151339 **N (Zone)** 12
DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -12 °C **Wind Direction:** SE **Wind Speed (knots):** 12
Precipitation: rain / mist / snow / N/A **Cloud Cover:** 0%, 10%, 25%, 50%, 75%, 100
Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% **Dust in area:** Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-01-03

Total Volume of Water After Melting: 350 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	125.4	212.8	87.4	
2	125.6	196.7	71.1	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	251.0	409.5	158.5	

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GENERAL

LOCATION NAME: Dust 3 DATE (dd-mmm-yyyy): 03-04-2014 TIME (24:00): 14:53
 SAMPLED BY: SSZ TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 535024 E 7151872 N (Zone) ~~12~~ 12
 DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -23 °C Wind Direction: NW Wind Speed (knots): 9
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 29-12-2013

→ cloudy, visible dust

Total Volume of Water After Melting: 400 (mL)

Filter #	Weight of Filter + Crucible	Filter + Residue + Crucible	Residue Weight	Comments
1	126.1 + 27835.1	28070.7	109.5	
2	125.2 + 37394.8	37646.0	126.0	
3	121.6 + 38488.6	38740.0	129.8	
4				
5				
6				
7				
8				
9				
10				
11				
Totals	104091.4	104456.7	365.3	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 4 **DATE (dd-mmm-yyyy):** 06-04-2019 **TIME (24:00):** 1054
SAMPLED BY: MN 552 LC **TYPE OF SAMPLE:** Dust **Other** _____
GPS COORDINATES (UTM): 531397 E 7152127 N (Zone) 12
DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -22 °C **Wind Direction:** E **Wind Speed (knots):** 6
Precipitation: rain / mist / snow (N/A) **Cloud Cover:** 0%, 10%, 25%, 50%, 75%, 100
Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% **Dust in area:** Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2018-12-28
-hair in sample

Total Volume of Water After Melting: 400 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	125.7	155.2	29.5	
2	124.7	144.4	19.7	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	<u>250.4</u>	<u>299.6</u>	<u>49.2</u>	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 5 DATE (dd-mmm-yyyy): 06-04-2019 TIME (24:00): 1440
 SAMPLED BY: MN 552 LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 535696 E 7155138 N (Zone) 12
 DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -17 °C Wind Direction: E Wind Speed (knots): 6
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-01-02

Total Volume of Water After Melting : 350 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.1	135.4	13.3	
2	123.8	140.5	16.7	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	<u>245.9</u>	<u>275.9</u>	<u>30.0</u>	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 6 **DATE (dd-mmm-yyyy):** 07-04-2019 **TIME (24:00):** 13:57
SAMPLED BY: SS2 **TYPE OF SAMPLE:** Dust **Other** _____
GPS COORDINATES (UTM): 537502 **E** 7152934 **N (Zone)** 12
DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 25 °C **Wind Direction:** NW **Wind Speed (knots):** 7
Precipitation: rain / mist / snow / N/A **Cloud Cover:** 0%, 10%, 25%, 50%, 75%, 100
Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% **Dust in area:** Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 18-12-2018

→ Clear

→ layer of dust on bottom of beaker after settling occurred

Total Volume of Water After Melting : 250 (mL)

Filter #	Weight of Filter + Crucible	Filter + Residue + Crucible	Residue Weight	Comments
1	39421.0	3943.9.2	18.2	
2	38954.8	38974.7	19.9	
3	27114.7	27140.6	25.9	
4				
5				
6				
7				
8				
9				
10				
11				
Totals	105490.5	105555	64.0	

Dust Gauge Collection Field Sheet			
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GENERAL

LOCATION NAME: DUST 7 **DATE (dd-mmm-yyyy):** 05-04-2019 **TIME (24:00):** 1439
SAMPLED BY: MN 552 LC **TYPE OF SAMPLE:** Dust **Other** _____
GPS COORDINATES (UTM): 536819 E 7150510 N (Zone) 12
DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -17 °C **Wind Direction:** NE **Wind Speed (knots):** 7
Precipitation: rain / mist / snow / N/A **Cloud Cover:** 0%, 10%, 25%, 50%, 75%, 100
Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% **Dust in area:** Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-01-03

-vegetation in sample

Total Volume of Water After Melting: 600 (mL)

Filter #	Weight of Filter <small>+crucible</small>	Filter + Residue <small>+crucible</small>	Residue Weight	Comments
1	122.3 + 3894.7	39127.8	60.8	
2	125.4 + 33060.7	33263.6	77.5	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	72253.1	172391.4	138.3	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 8 DATE (dd-mmm-yyyy): 06-Apr-2019 TIME (24:00): 1317
 SAMPLED BY: MN SSR LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 531401 E 7154146 N (Zone) 12
 DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -22 °C Wind Direction: E Wind Speed (knots): 6
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-01-02

Total Volume of Water After Melting: 460 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.9	137.2	14.3	
2	122.6	130.4	7.8	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	245.5	267.6	22.1	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 9 DATE (dd-mmm-yyyy): 04-04-2019 TIME (24:00): 0930
 SAMPLED BY: MN 552 LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 541204 E 7152154 N (Zone) 12
 DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -22 °C Wind Direction: W Wind Speed (knots): 20
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0% 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-01-04
→ clear
→ new cylinder deployed was not sitting right in the bell shield

Total Volume of Water After Melting: 225 (mL)

Filter #	Weight of Filter + Crucible	Filter + Residue	Residue Weight	Comments
1	123.3 + 38424.83	38566.4	18.3	Only needed 1 filter
2	123.1 + 26361.9			
3	122.8 + 35479.8			
4				
5				
6				
7				
8				
9				
10				
11				
Totals	38548.1	38566.4	18.3	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUSTIO DATE (dd-mmm-yyyy): 05-Apr-2019 TIME (24:00): 1450
 SAMPLED BY: MN 552 LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 532908 E 7148924 N (Zone) 12
 DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -19 °C Wind Direction: W Wind Speed (knots): 36
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2018-12-28

Total Volume of Water After Melting: 375 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	124.3	171.5	47.2	
2	122.2	206.8	84.6	
3	122.1	173.2	51.1	
4				
5				
6				
7				
8				
9				
10				
11				
Totals	<u>368.6</u>	<u>551.5</u>	<u>182.9</u>	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 911 DATE (dd-mmm-yyyy): 05-Apr-2019 TIME (24:00): 1034
 SAMPLED BY: MN 552 LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 531493 E 7150156 N (Zone) 12
 DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -23 °C Wind Direction: W Wind Speed (knots): 23 33 (gusting)
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-01-03

filled in stand

Total Volume of Water After Melting: 475 (mL)

Filter #	Weight of Filter + Crucible	Filter + Residue + Crucible	Residue Weight	Comments
1	124.8 + 31222.7	1231402.6	55.1	
2	123.1 + 28985.3	29160.1	51.7	
3	123.3 + 39719.2	39903.9	61.4	
4	125.8 + 30864.7	31047.6	57.1	
5	122.5 + 40100.3	40224.8	0.0	Actual weight 40223.6
6				
7				
8				
9				
10				
11				
Totals	171513.7	171737.8	225.3	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 12 DATE (dd-mmm-yyyy): 2019-04-06 TIME (24:00): 10:30
 SAMPLED BY: GC NG MNLCS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 529323 E 7151191 N (Zone) 12
 DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -22 °C Wind Direction: E Wind Speed (knots): 6
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-01-03

Total Volume of Water After Melting: 525 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	125.4	142.6	17.2	
2	124.5	139.9	15.4	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	249.9	282.5	32.6	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: C1 DATE (dd-mmm-yyyy): 05-Apr-2019 TIME (24:00): 1149
 SAMPLED BY: MN 552 LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 534979 E 7144270 N (Zone) 12
 DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -18 °C Wind Direction: NW Wind Speed (knots): 12
 Precipitation: rain / mist / snow N/A Cloud Cover: 0% 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-01-04

- leaking yellow liquid. discarded as we figure it might be from duct tape
- small amount (approx. 1 mL) lost from clamp not being on right
- hair in sample

Total Volume of Water After Melting: 575 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	123.1 + 26361.9	26505.8	20.8	
2	122.8 + 35479.8	35644.0	41.4	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	62087.6	62149.8	62.2	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: C2 DATE (dd-mmm-yyyy): 2019-04-06 TIME (24:00): 10:30
 SAMPLED BY: MN SS2 LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 528714 E 7153276 N (Zone) 12
 DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -26 °C Wind Direction: E Wind Speed (knots): 3
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-01-03

Total Volume of Water After Melting: 425 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	125.4	141.6	16.2	
2	122.4	132.5	10.1	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	247.8	274.1	26.3	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 01 DATE (dd-mmm-yyyy): 2014-06-26 TIME (24:00): 15:30
 SAMPLED BY: JH, SS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 533964 E 7154321 N (Zone) 12N
 DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 15 °C Wind Direction: 170° Wind Speed (knots): 7
 Precipitation: rain / mist / snow N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0% 10%, 25%, 50%, 75%, 100% Dust in area: Visible Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2014-04-08 @ 14:54

Total Volume of Water After Melting: 0 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.3	149.3		
2	124.8	157.8		
3	125.9	140.5		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	373	447.6	74.6	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 2A DATE (dd-mmm-yyyy): 2019-05-25 TIME (24:00): 12:40
 SAMPLED BY: JK, MN TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 535674 E 7151339 N (Zone) 12N
 DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 18 °C Wind Direction: ✓ Wind Speed (knots): 0
 Precipitation: rain / mist / snow N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-04-07 @ 12:05

Total Volume of Water After Melting: 75 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	126.8	160.4		
2	124.9	176.8		
3	125.6	129.5		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	377.3	466.7	89.4	

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GENERAL

LOCATION NAME: Dust 03 **DATE (dd-mmm-yyyy):** 2019-06-26 **TIME (24:00):** 16:30
SAMPLED BY: SSA, JN **TYPE OF SAMPLE:** Dust **Other:** _____
GPS COORDINATES (UTM): 535024 E 7151872 N (Zone) 12N
DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 16 °C **Wind Direction:** 150° **Wind Speed (knots):** 11
Precipitation: rain / mist / snow / (N/A) **Cloud Cover:** 0%, 10%, 25%, 50%, 75%, (100)
Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% **Dust in area:** Visible, (Not Visible)

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-04-03 @ 14:33

Total Volume of Water After Melting: 0 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	121.8	174.8		
2	125.3	463.2		
3	123.8	147.0		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	<u>370.9</u>	<u>785.0</u>	<u>414.1</u>	

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Duston DATE (dd-mmm-yyyy): 26-06-2019 TIME (24:00): 08:33
 SAMPLED BY: SS2 JK TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 531397 E 7152127 N (Zone) _____
 DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 12 °C Wind Direction: 180° Wind Speed (knots): 7
 Precipitation: rain / mist / snow (N/A) Cloud Cover: 0% 10%, 25%, 50%, 75%, 100
 Snow Cover: 0% 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2014-04-06 @ 10:54

Total Volume of Water After Melting: 225 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.2	293.5		
2	121.6	193.3		
3	121.6	230.0		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	365.4	716.8	351.4	

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GENERAL

LOCATION NAME: Dust 05 DATE (dd-mmm-yyyy): 2019-06-25 TIME (24:00): 13:35
 SAMPLED BY: JK, MN TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 535696 E 7155138 N (Zone) 12N
 DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 18 °C Wind Direction: 180° Wind Speed (knots): 5
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0% 10% 25% 50% 75% 100
 Snow Cover: 0% 10% 25% 50% 75% 100% Dust in area: Visible Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-04-06 @ 14:39
Blueberry bird poo on shield (see picture)

Total Volume of Water After Melting: 0 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.4	129.9		
2	117.4	131.5		
3	116.5	117.1		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	356.3	378.5	22.2	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 06 DATE (dd-mmm-yyyy): 2019-06-26 TIME (24:00): 16:08
 SAMPLED BY: JK, SS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 537502 E 7152934 N (Zone) 12N
 DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 16 °C Wind Direction: 150° Wind Speed (knots): 11
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-04-05 @ 13:50

Total Volume of Water After Melting: 10 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	125.1	181.5		
2	125.4	175.7		
3	122.1	130.9		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	372.6	488.1	115.5	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust07 DATE (dd-mmm-yyyy): 2019-06-25 TIME (24:00): 12:55
 SAMPLED BY: SK, MN TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 536819 E 7150510 N (Zone) 12N
 DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 18 °C Wind Direction: - Wind Speed (knots): 0
 Precipitation: rain / mist / snow N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-04-05 @ 16:40

Total Volume of Water After Melting: 0 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.2	140.5		
2	124.5	174.0		
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	246.7	314.5	67.8	

Dust Gauge Collection Field Sheet			
Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust08 DATE (dd-mmm-yyyy): 2014-06-25 TIME (24:00): 11:00
 SAMPLED BY: JA, MN TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 531401 E 7154146 N (Zone) 12N
 DESCRIPTION: G2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 17 °C Wind Direction: 160° Wind Speed (knots): 3
 Precipitation: rain / mist / snow N/A Cloud Cover: 0% 10% 25% 50% 75% 100
 Snow Cover: 0% 10% 25% 50% 75% 100% Dust in area: Visible Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2014-04-06 @ 13:11

Total Volume of Water After Melting : 100 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	126.3	167.9		
2	121.8	148.2		
3	125.0	125.2		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	373.1	441.3	68.2	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust09 DATE (dd-mmm-yyyy): 2014-06-25 TIME (24:00): 13:15
 SAMPLED BY: JR, MN TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 541204 E 7152154 N (Zone) 12N
 DESCRIPTION: G7

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 18 °C Wind Direction: ✓ Wind Speed (knots): 0
 Precipitation: rain / mist / snow N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2014-04-04 @ 09:30

lots of Bugs

Total Volume of Water After Melting : 0 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	124.8	126.9		
2	125.7	132.5		
3	122.5	134.3		
4	123.4	124.6		
5				
6				
7				
8				
9				
10				
11				
Totals	<u>496.4</u>	<u>518.3</u>	<u>21.9</u>	

Dust Gauge Collection Field Sheet			
Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust10 DATE (dd-mmm-yyyy): 27-06-2019 TIME (24:00): 15:55
 SAMPLED BY: JK, LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 532908 E 7148924 N (Zone) 12N
 DESCRIPTION: G2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 6 °C Wind Direction: 050° Wind Speed (knots): 7
 Precipitation: rain / mist / snow (N/A) Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-04-05 @ 14:15

→ Dust only visible when walking

Total Volume of Water After Melting: 25 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	123.7	263.7		
2	123.0	284.0		
3	122.3	249.4		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	<u>369.0</u>	<u>797.1</u>	<u>428.1</u>	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
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GENERAL

LOCATION NAME: Dust 11 DATE (dd-mmm-yyyy): 2019-06-25 TIME (24:00): 12:00
 SAMPLED BY: JK, MN TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 0531493 E 7150156 N (Zone) 12N
 DESCRIPTION: G2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 18 °C Wind Direction: 150° Wind Speed (knots): 3
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0% 10% 25%, 50%, 75%, 100
 Snow Cover: 0% 10%, 25%, 50%, 75%, 100% Dust in area: Visible Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2014-04-05 @ 14:39

Total Volume of Water After Melting: 525 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.3	270.1		
2	121.4	274.5		
3	115.3	172.6		
4	125.2	181.8		
5	122.9	196.1		
6	117.0	122.8		
7				
8				
9				
10				
11				
Totals	717.1	1217.9	500.8	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 12 DATE (dd-mmm-yyyy): 2014-05-25 TIME (24:00): 11:45
 SAMPLED BY: JK, MN TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 0529323 E 7151191 N (Zone) 12N
 DESCRIPTION: G2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 18 °C Wind Direction: 150° Wind Speed (knots): 3
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2014-04-06 2014-04-06 (no time)

2 Bugs in Sample

Total Volume of Water After Melting: 25 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	123.5	124.9		
2	122.3	136.6		
3	122.7	157.3		
4	125.0	171.5		
5	124.9	164.1		
6	117.9	164.3		
7				
8				
9				
10				
11				
Totals	736.3	918.7	182.4	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
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GENERAL

LOCATION NAME: Dust C1 DATE (dd-mmm-yyyy): 2014-05-25 TIME (24:00): 12:15
 SAMPLED BY: JR, MN TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 0534979 E 7144270 N (Zone) 12N
 DESCRIPTION: G2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 18 °C Wind Direction: 150° Wind Speed (knots): 3
 Precipitation: rain / mist / snow (N/A) Cloud Cover: 0% (10%), 25%, 50%, 75%, 100
 Snow Cover: (0%), 10%, 25%, 50%, 75%, 100% Dust in area: Visible, (Not Visible)

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed ~~2014-04-05 @ 11:44~~
2014-04-05 @ 11:44

- large fly present 2x
- = visible dust
- leaves
- after filtering, filters were green

Total Volume of Water After Melting: 225 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	124.9	132.6		
2	126.0	140.1		
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	250.9	272.7	21.8	

Dust Gauge Collection Field Sheet			
Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
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GENERAL

LOCATION NAME: Dust C2 DATE (dd-mmm-yyyy): 25-06-25 TIME (24:00): 11:25
 SAMPLED BY: JK, MN TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 0526714 E 7153276 N (Zone) 12N
 DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 17 °C Wind Direction: 160° Wind Speed (knots): 3
 Precipitation: rain / mist / snow N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-04-06 @ 09:40

- Dust visible
- some vegetation
- after filtering, filters were green

Total Volume of Water After Melting: 75 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	126.2	132.0		
2	126.2	159.5		
3	115.4	116.0		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	367.8	407.6	39.8	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 01 DATE (dd-mmm-yyyy): 2019-09-30 TIME (24:00): 1417
 SAMPLED BY: NG, LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 533964 E 7154321 N (Zone) 12W
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: SW 225° Wind Speed (knots): 8
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-26 by JK, SS2

Some bugs present
Dust visible - light brown

Total Volume of Water After Melting: 1740 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.2	119.4		
2	114.2	137.1		
3	114.2	161.1		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	342.6	417.6	75.0	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 2A DATE (dd-mmm-yyyy): 2019-07-29 TIME (24:00): 1655
 SAMPLED BY: SS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 535698 E 7151339 N (Zone) 12W
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: SW 225° Wind Speed (knots): 6
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-25 by JK, MN.

- dust visible - greenish colour (Cu tube?)
- some bugs present

Total Volume of Water After Melting: 1600 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.9	174.9		
2	116.1	148.6		
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	231.0	323.5	92.5	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 3 DATE (dd-mmm-yyyy): 2019-09-30 TIME (24:00): 1450
 SAMPLED BY: NG, LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 535024 E 7157872 N (Zone) 12W
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: SW 225° Wind Speed (knots): 8
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-26 by JK, SS2
 - Some bugs present
 ~ visible dust - greenish in colour.

Total Volume of Water After Melting: 1700 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.3	321.8		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	116.3	321.8	205.5	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: DUST 4 **DATE (dd-mmm-yyyy):** 28-Sep-2019 **TIME (24:00):** 1440
SAMPLED BY: SS2 NG LCDP **TYPE OF SAMPLE:** Dust **Other** _____
GPS COORDINATES (UTM): 531397 **E** 7152127 **N (Zone)** 12W
DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -1 °C **Wind Direction:** NW 315 **Wind Speed (knots):** 15
Precipitation: rain / mist / snow N/A **Cloud Cover:** 0%, 10%, 25%, 50%, 75%, 100
Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% **Dust in area:** Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-27 **by** SS2, JK
 - bugs in sample
 - visible dust
 - green "fluff" in sample (dust?)

Total Volume of Water After Melting: 1900 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	113.3	131.2		
2	114.4	117.7		
3	114.0	139.4		
4	114.5	120.4		
5				
6				
7				
8				
9				
10				
11				
Totals	<u>456.2</u>	<u>508.7</u>	<u>52.5</u>	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 5 DATE (dd-mmm-yyyy): 2019-09-29 TIME (24:00): 1512
 SAMPLED BY: SS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 535696 E 7155138 N (Zone) 12W
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: SW 225 Wind Speed (knots): 6
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-25 by JK, MN

- Some bugs present
- dust visible - greenish colour (cu pipe?)

Total Volume of Water After Melting : 1500 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	121.1	168.5		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	121.1	168.5	47.4	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 6 DATE (dd-mmm-yyyy): 2019-09-30 TIME (24:00): 1436
 SAMPLED BY: SS2 NG, LC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 539502 E 7152934 N (Zone) 12W
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: SW 225° Wind Speed (knots): 8
 Precipitation: rain / mist / snow N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-26 by SS2 JK
 - Dust visible, bugs present
 - fine dust - took long time (>1hr) to filter 3 filters

900 + 850

Total Volume of Water After Melting: _____ (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.8	144.5		
2	118.4	130.8		
3	121.0	196.4		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	356.2	471.7	115.5	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 7 DATE (dd-mmm-yyyy): 2019-09-29 TIME (24:00): 1644
 SAMPLED BY: SS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 536819 E 7150510 N (Zone) 12W
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: ^{SW} 225° Wind Speed (knots): 6
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-25 by JK, MN

- clear liquid - dust visible - light brown
 - some bugs present

Total Volume of Water After Melting: 1900 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	113.6	144.8		
2	114.9	126.9		
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	228.5	271.7	43.2	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 8 DATE (dd-mmm-yyyy): 2019-09-29 TIME (24:00): 1404
 SAMPLED BY: SS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 531401 E 7154146 N (Zone) 12W
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: SW 225° Wind Speed (knots): 6
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-25 @ 11:00 by JK, MN.

→ Bugs in sample
 → visible dust
 → green fluff

Total Volume of Water After Melting: 1900 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.6	136.4		
2	115.2	120.3		
3	113.7	123.4		
4	113.7	119.0		
5				
6				
7				
8				
9				
10				
11				
Totals	457.2	499.1	41.9	

Dust Gauge Collection Field Sheet

Area: 8000		No: ENVI-178-0312
Effective Date: 26-Mar-2012		Revision: R0
Task: Dust Gauge Collection Field Sheet		By: Dianne Dul
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GENERAL

LOCATION NAME: Dust 09 DATE (dd-mmm-yyyy): 2019-09-29 TIME (24:00): 1633
 SAMPLED BY: SS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 541204 E 7152154 N (Zone) 12W.
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: SW 225° Wind Speed (knots): 6
 Precipitation: rain / mist / snow (N/A) Cloud Cover: 0%, 10%, 25%, 50%, (75%), 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-25 @ 1:31:15 by JK, MN

→ Bird poop
 - dust visible - brownish colour

Total Volume of Water After Melting: 1200 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	113.8	123.8		
2	113.6	124.2		
3	115.0	126.4		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	342.4	374.4	32	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 10 **DATE (dd-mmm-yyyy):** 2019-09-30 **TIME (24:00):** 1518
SAMPLED BY: NG, LC **TYPE OF SAMPLE:** Dust **Other** _____
GPS COORDINATES (UTM): 532908 E 7148924 N (Zone) 12W
DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C **Wind Direction:** SW 225° **Wind Speed (knots):** 8
Precipitation: rain / mist / snow / N/A **Cloud Cover:** 0%, 10%, 25%, 50%, 75%, 100
Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% **Dust in area:** Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-27 by LC, JK.

- Bugs present
- Dust visible, greenish colour

Total Volume of Water After Melting: 1650. (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	117.0	175.8		
2	121.7	175.0		
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	238.7	350.8	112.1	

Dust Gauge Collection Field Sheet

Area: 8000		No: ENVI-178-0312
Effective Date: 26-Mar-2012		Revision: R0
Task: Dust Gauge Collection Field Sheet		By: Dianne Dul
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GENERAL

LOCATION NAME: Dust 11 DATE (dd-mmm-yyyy): 2019-09-29 TIME (24:00): 1556.
 SAMPLED BY: SS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 531493 E 7150156. N (Zone) 12W.
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: SW 225° Wind Speed (knots): 6.
 Precipitation: rain / mist / snow (N/A) Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-25 by JK, MN.
 - clear liquid
 - some dust visible, light/white coloured. - some greenish from can tube
 - some bugs present

Total Volume of Water After Melting: 2250 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.8	153.1		
2	115.4	125.9		
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	230.2	279.0	48.8	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
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GENERAL

LOCATION NAME: Dust 12 DATE (dd-mmm-yyyy): 2019-09-29 TIME (24:00): 15:44
 SAMPLED BY: SS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 529323 E 7151191 N (Zone) 12W
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: SW 225° Wind Speed (knots): 6
 Precipitation: rain / mist / snow N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-25 @ 11:45 by JK, HN

- Bugs in Sample
- visible Dust
- green fluff

Total Volume of Water After Melting: 2000 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.8	124.8		
2	114.6	124.9		
3	114.4	114.8		
4	113.7	119.0		
5				
6				
7				
8				
9				
10				
11				
Totals	457.5	483.5	26.0	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
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GENERAL

LOCATION NAME: Dust C1 DATE (dd-mmm-yyyy): 2019-09-29 TIME (24:00): 1416
 SAMPLED BY: SS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 534979 E 7144290 N (Zone) 12W
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: SW 225° Wind Speed (knots): 6
 Precipitation: rain / mist / snow N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-25 by JK, MN

- clear liquid
- some visible dust - blueish-green colour (from Cu pipe?)
- some bugs present

Total Volume of Water After Melting: 1950 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.9	144.2		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	114.9	144.2	29.3	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
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GENERAL

LOCATION NAME: Dust C2 DATE (dd-mmm-yyyy): 2019-09-29 TIME (24:00): 1706
 SAMPLED BY: SS2 TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 528714 E 7153276 N (Zone) 12W
 DESCRIPTION: Q3 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 0 °C Wind Direction: SW 225° Wind Speed (knots): 6
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-06-25 by JK, MN

- Some dust visible - slight green hue (on tube)
- Some bugs present

Total Volume of Water After Melting: 1800 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.5	134.5		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	115.5	134.5	19.0	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
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GENERAL

LOCATION NAME: Dust 01 DATE (dd-mmm-yyyy): 2019-Dec-26 TIME (24:00): 1033
 SAMPLED BY: AH NG TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 533964 E 7154321 N (Zone) 12W
 DESCRIPTION: Q4 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -12 °C Wind Direction: SE Wind Speed (knots): 10
 Precipitation: rain / mist / snow / N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-09-30 by LC, NG

- clear liquid - white colour
 - some dust visible

Samples analyzed 2019-Dec-29

Total Volume of Water After Melting: 525 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	118.2	198.0	79.8	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	118.2	198.0	79.8	

Dust Gauge Collection Field Sheet

Area:	8000	No:	ENVI-178-0312
Effective Date:	26-Mar-2012	Revision:	R0
Task:	Dust Gauge Collection Field Sheet	By:	Dianne Dul
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GENERAL

LOCATION NAME: Dust 2A DATE (dd-mmm-yyyy): 2019-Dec-28 TIME (24:00): 1239
 SAMPLED BY: AH GC TYPE OF SAMPLE: Dust Other _____
 GPS COORDINATES (UTM): 535678 E 7151339 N (Zone) 12W
 DESCRIPTION: Q4 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -20 °C Wind Direction: W Wind Speed (knots): 12
 Precipitation: rain / mist / snow N/A Cloud Cover: 0%, 10%, 25%, 50%, 75%, 100
 Snow Cover: 0%, 10%, 25%, 50%, 75%, 100% Dust in area: Visible, Not Visible

COLLECTION COMMENTS: (i.e. damage to station, bugs - twigs in sample, hole in vestibule, etc.)

Date Sample Collected was Deployed 2019-09-29 by SS2

- clear liquid
 - some dust visible - white in colour.

Samples analyzed 2019-12-29

Total Volume of Water After Melting: 650 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	118.9	207.2	88.3	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	118.9	207.2	88.3	