APPENDIX C DUSTFALL SNOW SURVEY FIELD SHEETS AND ANALYTICAL RESULTS

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: DUST 1 **DATE (dd-mmm-yyyy):** 2018-04-06 **TIME (24:00):** 1753

SAMPLED BY: SS2 DR **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 538964 **E** 7154321 **N (Zone)** 12

DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 13.84 °C **Wind Direction:** 270.4 **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 2017-12-24

-visible dust

Total Volume of Water After Melting : 800 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.8	221.2	106.4	
2	114.7	229.4	114.7	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	229.5	450.6	221.1	

Rio Tinto

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GENERAL

LOCATION NAME: DUST 2A **DATE (dd-mmm-yyyy):** 2018-04-08 **TIME (24:00):** 1653

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 535678 **E** 7151339 **N (Zone)** 12

DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -16.63c **Wind Direction:** 30.39 **Wind Speed (knots):** 2

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 2018-01-06

- no visible dust

Total Volume of Water After Melting : 250 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.8	211.6	96.8	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	114.8	211.6	96.8	

Rio Tinto

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GENERAL

LOCATION NAME: DUST 3 **DATE (dd-mmm-yyyy):** 2018-04-08 **TIME (24:00):** 1702

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 535024 **E** 7151872 **N (Zone)** 12

DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -17.53 °C **Wind Direction:** 44.76 **Wind Speed (knots):** 4

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 2018-01-10

-visible dust

Total Volume of Water After Melting : 300 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.9	200.3	92.4	
2	117.8	209.5	91.7	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	234.7	409.8	175.1	

Rio Tinto

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GENERAL

LOCATION NAME: DUST 4 DATE (dd-mmm-yyyy): 05-APR-2018 TIME (24:00): 1321

SAMPLED BY: SS2, DB, DR TYPE OF SAMPLE: Dust Other

GPS COORDINATES (UTM): 531397 E 7152127 N (Zone) 12

DESCRIPTION: ~~Q2~~ Collection

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -13.9 °C Wind Direction: 35 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 2018-01-10

-visible dust in sample

Total Volume of Water After Melting: 300 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.9	149.7	34.8	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	114.9	149.7	34.8	

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 5 **DATE (dd-mmm-yyyy):** 2018-01-06 **TIME (24:00):** 1600

SAMPLED BY: SS2 DR **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 535696 **E** 7155138 **N (Zone)** 12

DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -14.12 °C **Wind Direction:** 278.4 **Wind Speed (knots):** 9.7

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 2018-01-06

plant material in sample
visible dust
tube was leaking

Total Volume of Water After Melting : 300 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.2	146.3	32.1	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	114.2	146.3	32.1	

Rio Tinto

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GENERAL

LOCATION NAME: DUST 6 **DATE (dd-mmm-yyyy):** 02-Apr-2018 **TIME (24:00):** 1430

SAMPLED BY: SS2 **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): _____ **E** _____ **N (Zone)** _____

DESCRIPTION: Q1 Collection

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -16.51 °C **Wind Direction:** 216.5 **Wind Speed (knots):** 2

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 2017-12-24

Total Volume of Water After Melting : 250 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.2	184.0		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	115.2	184.0		

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST7 **DATE (dd-mmm-yyyy):** 2018-01-06 **TIME (24:00):** 1651

SAMPLED BY: SSA DR **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 536819 **E** 7150510 **N (Zone)** 12

DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 16.63 °C **Wind Direction:** 30.39 **Wind Speed (knots):** 2

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 2018-01-06

-visible dust

Total Volume of Water After Melting : 950 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.8	155.6	39.8	
2	114.9	233.5	118.6	
3	115.2	364.9	249.7	
4	114.4	116.1	1.7	
5				
6				
7				
8				
9				
10				
11				
Totals	460.3	870.1	409.8	

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 8 DATE (dd-mmm-yyyy): 05-APR-2018 TIME (24:00): 0900

SAMPLED BY: DB, DR, SS2 TYPE OF SAMPLE: Dust Other

GPS COORDINATES (UTM): 531401 E 7154146 N (Zone) 12

DESCRIPTION: Q2 Collection

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -15.83 °C Wind Direction: 84.4 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 2018/01/06

- visible dust

Total Volume of Water After Melting : 400 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	~~114.9~~ 115.8	151.2	35.4	
2	~~114.9~~	~~156.1~~		
3	~~115.2~~			
4				
5				
6				
7				
8				
9				
10				
11				
Totals	115.8	151.2	35.4	

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 9 **DATE (dd-mmm-yyyy):** 2018/06/07 **TIME (24:00):** 0932

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 541204 **E** 7152154 **N (Zone)** 12

DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -19.92 °C **Wind Direction:** 263.9 **Wind Speed (knots):** 4

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 2018-01-06

-visible dust

Total Volume of Water After Melting : 300 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.9	148.9	34.0	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	114.9	148.9	34.0	

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 10 **DATE (dd-mmm-yyyy):** 2018-04-07 **TIME (24:00):** 1041

SAMPLED BY: SS2 DR **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 532908 **E** 7148924 **N (Zone)** 12

DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 18.89 °C **Wind Direction:** 263.5 **Wind Speed (knots):** 4

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 2018-01-16

Total Volume of Water After Melting : 400 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	126.1	384.7	258.6	
2	119.8	253.5	133.7	
3	115.9	122.8	6.9	
4				
5				
6				
7				
8				
9				
10				
11				
Totals	361.8	761.0	399.2	

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 11 **DATE (dd-mmm-yyyy):** 2018-04-07 **TIME (24:00):** 1028

SAMPLED BY: SS2.DR **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 531493 **E** 7150156 **N (Zone)** 12

DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -18.89 °C **Wind Direction:** 263.5 **Wind Speed (knots):** 4

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 2018-01-06

- snow up to base of funnel (stand) see photo
- caribou tracks on lake near gauge

Total Volume of Water After Melting: 600 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.7	219.7		
2	119.1	123.3		
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	234.8	343.0		

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST 12 **DATE (dd-mmm-yyyy):** 2018-04-07 **TIME (24:00):** 1011

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 529323 **E** 7150191 **N (Zone)** 12

DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 18,89 °C **Wind Direction:** 263.5 **Wind Speed (knots):** 4

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 2018-01-06

Total Volume of Water After Melting: 400 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.1	149.9	34.8	
2	118.6	119.6	1.0	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	233.7	269.5	35.8	

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: C1 **DATE (dd-mmm-yyyy):** 2018-04-08 **TIME (24:00):** 1000

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 534979 **E** 7144270 **N (Zone)** 12

DESCRIPTION: Q1

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -19.99 °C **Wind Direction:** 148.5 **Wind Speed (knots):** 1

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 2018-01-06

- caribou nearby
- caribou digging + droppings nearby
- caribou hair in sample

Total Volume of Water After Melting : 950 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.0	143.3		
2	115.9	116.5		
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	230.9	259.8		

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: DUST C2 **DATE (dd-mmm-yyyy):** 05-APR-2018 **TIME (24:00):** 1000

SAMPLED BY: DB, DR, SS2 **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 528714 **E** 7153276 **N (Zone)** 12

DESCRIPTION: 22 Collection

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -15.29 °C **Wind Direction:** 34.31 **Wind Speed (knots):** 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 2018/01/06

- plant debris in sample

Total Volume of Water After Melting : 700 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.8	139.0	24.2	Some organics remained after oven
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	114.8	139.0	24.2	

Rio Tinto

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GENERAL

LOCATION NAME: DUSTWG 01 **DATE (dd-mmm-yyyy):** 26-JUN-2018 **TIME (24:00):** 1417

SAMPLED BY: MNSS2 **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 533964 E 7154321 N (Zone) 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 12.2 °C **Wind Direction:** SE **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 2018-04-16

- visible dust
- flies + leaves

Total Volume of Water After Melting : 50 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.6	216.0	99.4	
2	116.6	311.5	194.9	
3	116.1	138.2	22.1	
4				
5				
6				
7				
8				
9				
10				
11				
Totals	349.3	665.7	315.4	

Rio Tinto

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GENERAL

LOCATION NAME: DUST 2A **DATE (dd-mmm-yyyy):** 2018-Dec-25 **TIME (24:00):** 1207

SAMPLED BY: AH **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 535478 **E** 7151339 **N (Zone)** 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 7.5 °C **Wind Direction:** NE **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 2018-04- ?

Opaque liquid; dust visible; line bug present

Total Volume of Water After Melting : approx. 150 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.7	145.1	29.4	
2	114.8	146.3	31.5	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	230.5	281.4	60.9	

Rio Tinto

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GENERAL

LOCATION NAME: DUST 3 **DATE (dd-mmm-yyyy):** 26 Jun-2018 **TIME (24:00):** 1534

SAMPLED BY: MN 552 **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 535024 E 7151872 **N (Zone)** 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 12.3 °C **Wind Direction:** SE **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 2018/04/07

Total Volume of Water After Melting : 250 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.1	155.2	39.1	
2	112.2	165.0	52.8	
3	116.0	177.2	61.2	
4				
5				
6				
7				
8				
9				
10				
11				
Totals	344.3	497.4	153.1	

Rio Tinto

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GENERAL

LOCATION NAME: DUST 4 **DATE (dd-mmm-yyyy):** 27-Jun-2018 **TIME (24:00):** 1527

SAMPLED BY: SG, KG, JQ **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 531397 **E** 7152127 **N (Zone)** 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 11.6 °C **Wind Direction:** E **Wind Speed (knots):** 17

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 2018-04-05

-visible dust

Total Volume of Water After Melting : 225 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	113.1	196.6	83.5	
2	119.3	120.0	0.7	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	232.4	316.6	84.2	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: DUSTS DATE (dd-mmm-yyyy): 2018-06-25 TIME (24:00): 1525

SAMPLED BY: AH TYPE OF SAMPLE: Dust Other

GPS COORDINATES (UTM): 535696 E 7155138 N (Zone) 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 10.1 °C Wind Direction: E Wind Speed (knots): 9.5

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 2018-04-06 DR 552

Green liquid; bugs present; visible Dust.

Total Volume of Water After Melting : approx 200 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.1	134.7	18.6	
2	114.8	133.6	18.8	
3	115.7	115.7	0	
4				
5				
6				
7				
8				
9				
10				
11				
Totals	346.6	384.0	37.4	

Rio Tinto

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):** 26-Jun-2018 **TIME (24:00):** 1454

SAMPLED BY: SS2 MN **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 537502 **E** 7152934 **N (Zone)** 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 12.2 °C **Wind Direction:** SE **Wind Speed (knots):** 20.2

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 2018/04/12

- visible dust
- leaf in sample
- flies

Total Volume of Water After Melting : 225 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.1	138.6		
2	114.9	117.2		
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	229.0	255.8		

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust 7 **DATE (dd-mmm-yyyy):** 208-06-25 **TIME (24:00):** 1228

SAMPLED BY: AH **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 536819 **E** 7150510 **N (Zone)** 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 7.5 °C **Wind Direction:** NE **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 2018-04-07 552/DR

Opaque liquid ; visible dust

Total Volume of Water After Melting : approx. 210 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.8	151.6	35.8	
2	114.8	~~140.9~~ 141.1	26.3	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	230.6	292.7	62.1	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: DUST8 DATE (dd-mmm-yyyy): 2018-06-25 TIME (24:00): 1542

SAMPLED BY: AH TYPE OF SAMPLE: Dust Other

GPS COORDINATES (UTM): 531401 E 7154146 N (Zone) 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 10.14 °C Wind Direction: E 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 2018-04-09

opaque liquid ; lots of bugs ; visible dust.

Total Volume of Water After Melting : approx. 300 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	120.6	149.8	29.2	
2	118.0	138.8	20.8	
3	116.1	116.1	0.0	
4				
5				
6				
7				
8				
9				
10				
11				
Totals	354.7	404.4	40.0	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust 9 DATE (dd-mmm-yyyy): 25 06 2018 TIME (24:00): 14:48

SAMPLED BY: KG MN TYPE OF SAMPLE: (Dust) Other ____

GPS COORDINATES (UTM): 541204 E 7152154 N (Zone) 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 9.9 °C Wind Direction: E Wind Speed (knots): 10.0

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 2018-04-07 SS Z, DR

Dark Brown colour; some bugs present in liquid.

lots of organic material removed

Total Volume of Water After Melting : approx 40 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	113.4	118.6	5.2	
2	115.2	131.1	15.9	
3	117.9	125.5	7.6	
4	115.8	153.2	37.4	
5	112.7	114.7	2.0	
6	114.4	115.3	0.9	
7	115.8	118.5	2.7	
8	115.5	117.2	1.7	
9	116.2	116.3	0.1	
10				
11				
Totals	1032.1	1107.4	73.5	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: DUST 10 **DATE (dd-mmm-yyyy):** 26-Jun-2018 **TIME (24:00):** 1557

SAMPLED BY: SS2 JQ **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 532908 **E** 7148924 **N (Zone)** 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 12.3 °C **Wind Direction:** SE **Wind Speed (knots):** 20.4

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 2018/04/07

Total Volume of Water After Melting: 400 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.1	263.4	149.3	
2	115.2	115.6	0.4	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	229.3	379.0	149.7	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: DUST 11 DATE (dd-mmm-yyyy): 2018-Ap-25 TIME (24:00): 1303

SAMPLED BY: AH TYPE OF SAMPLE: (Dust) Other

GPS COORDINATES (UTM): 531493 E 7150156 N (Zone)

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 8.8 °C Wind Direction: E 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 2018-04-07 SS2 DR

Opaque liquid ; bugs present ; Dust visible.

Total Volume of Water After Melting : Approx. 450 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.2	214.6	99.4	course material, see photos
2	116.4	220.6	104.2	course material, see photos
3	113.7	115.6	1.8	
4				
5				
6				
7				
8				
9				
10				
11				
Totals	~~231~~ 6345.3	550.8	115.4	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: DUST12 **DATE (dd-mmm-yyyy):** 2018-Apr-25 **TIME (24:00):** 1617

SAMPLED BY: AH **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 529323 **E** 7151141 **N (Zone)** 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 10.9 °C **Wind Direction:** E **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 2018-04-07 552 DR.

Opaque liquid; couple bugs present; dust visible

Total Volume of Water After Melting : approx. 200 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.0	137.2	21.2	small bug on filter
2	119.8	144.8	28.8	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	235.8	282.0	50.0	

Rio Tinto

Dust Gauge Collection Field Sheet

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Area:	8000	**Revision:**	R0
Effective Date:	26-Mar-2012	**By:**	Dianne Dul
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GENERAL

LOCATION NAME: DUSTC1 **DATE (dd-mmm-yyyy):** 2018-06-25 **TIME (24:00):** 12:45

SAMPLED BY: AH **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 534979 **E** 7144270 **N (Zone)** 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 5.6 °C **Wind Direction:** NE **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

Sample holder leans, sample tube sitting crooked in holder.
Opaque liquid; bugs present; dust visible

Total Volume of Water After Melting : approx. 40 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.3	147.0	31.7	- remove 4 bugs - green dust
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	115.3	147.0	31.7	

Rio Tinto

Dust Gauge Collection Field Sheet

		No:	ENVI-178-0312
Area:	8000	**Revision:**	R0
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GENERAL

LOCATION NAME: DUSTC2 **DATE (dd-mmm-yyyy):** 2018-06-25 **TIME (24:00):** 1405

SAMPLED BY: AH **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 528714 **E** 7153276 **N (Zone)** 12

DESCRIPTION: Q2

CLIMATE CONDITIONS (if sampling outside)

Air Temp: 9.9 °C **Wind Direction:** E **Wind Speed (knots):** 10.8

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 2018-04-05. DB155/DR

slightly opaque; visible dust.

Total Volume of Water After Melting : approx. 190 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.6	141.0	26.4	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	114.6	141.0	26.4	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust 1 **DATE (dd-mmm-yyyy):** 2018-10-12 **TIME (24:00):** 1423

SAMPLED BY: AH MN **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 533964 **E** 7154321 **N (Zone)** 12

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -6 °C **Wind Direction:** NE **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 2018-06-25 by MN SS2

clear liquid

Bugs present

visible dust - shiny dust

Analyzed 2018-10-14 @ 0730 by AH

Total Volume of Water After Melting: 650 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.1	243.2	121.1	lots of shiny dust particles
2	123.1	191.6	68.5	lots of shiny dust particles
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	245.2	434.8	189.6	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust 2A DATE (dd-mmm-yyyy): 2018-10-10 TIME (24:00): 1210

SAMPLED BY: AH TYPE OF SAMPLE: (Dust) Other

GPS COORDINATES (UTM): 535678 E 7151339 N (Zone) 12

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -5 °C Wind Direction: S 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 2018-06-25 by AH

clear liquid (2 beakers used - 600mL and 250mL)

Bugs present

Dust visible

Analyzed 2018-10-14 @ 0730 by AH

Total Volume of Water After Melting: 600 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.4	198.3	75.9	
2	122.1	167.6	45.5	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	244.5	365.9	121.4	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust 3 **DATE (dd-mmm-yyyy):** 2018-10-12 **TIME (24:00):** 1346

SAMPLED BY: AH MN **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 535024 **E** 7151872 **N (Zone)** 12

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -6 °C **Wind Direction:** NE **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 2018-06-26 by MN552

Opaque liquid

Lots of Dust visible - brown in colour

Bugs present

Analyzed 2018-10-14 at 0730 by AH

Total Volume of Water After Melting : 890 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	124.4	276.1	151.7	
2	122.3	244.5	122.2	
3	111.1	235.6	124.5	
4	122.8	260.3	137.5	
5				
6				
7				
8				
9				
10				
11				
Totals	480.6	1016.5	535.9	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust 4 DATE (dd-mmm-yyyy): 2018-10-13 TIME (24:00): 1349

SAMPLED BY: AH MN TYPE OF SAMPLE: (Dust) Other

GPS COORDINATES (UTM): 531397 E 7152127 N (Zone) 12

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -9 °C Wind Direction: NW 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 2018-06-27 by DB, MN, SS

- Clear liquid
- Bugs present
- Dust particles visible - green in colour

Analyzed 2018-10-14 @ 0730 by AH

Total Volume of Water After Melting: 600 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	110.5	123.1	12.6	Brown in colour after heated
2	110.4	119.6	9.2	Brown in colour after heated
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	220.9	242.7	21.8	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust 5 **DATE (dd-mmm-yyyy):** 2018-10-10 **TIME (24:00):** 0956

SAMPLED BY: AH **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 535696 **E** 7155138 **N (Zone)** 12

DESCRIPTION: Quarter 3.

CLIMATE CONDITIONS (if sampling outside)

Air Temp: −5 °C **Wind Direction:** S **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 2018-06-25 by AH

clear liquid – some bugs present

Dust visible.

Analyzed 2018-10-13 @ 0730 by AH

Total Volume of Water After Melting : 500 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	120.2	142.1	21.9	
2	124.0	155.2	31.2	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	244.2	297.3	53.1	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust 6 **DATE (dd-mmm-yyyy):** 2018-10-12 **TIME (24:00):** 1047

SAMPLED BY: AH **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 537502 **E** 7152934 **N (Zone)**

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -5 °C **Wind Direction:** S **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 2018-06-26 by SS2 MN
Clear liquid - 2 beakers water (400mL x 2)
Dust visible - greenish/yellow colour
Bugs present.
Analyzed 2018-10-14 @ 0730 by AH

Total Volume of Water After Melting: 620 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	123.0	155.0	32.0	
2	121.8	163.4	41.6	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	244.8	318.4	73.6	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust 7 DATE (dd-mmm-yyyy): 2018-10-10 TIME (24:00): 1156.

SAMPLED BY: AH TYPE OF SAMPLE: (Dust) Other

GPS COORDINATES (UTM): 536819 E 7150510 N (Zone) 12

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -5 °C Wind Direction: S 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 2018-06-25 by AH
Gauge sitting crooked in holder
Rocks placed to level new gauge in place.
clear liquid 14 beaker used - 600 mL, 250mL x 3)
Bugs present
Dust visible
Analyzed 2018-10-13 @ 0730 by AH

Total Volume of Water After Melting: 1160 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.1	177.6	55.5	
2	122.9	201.6	78.7	
3	122.7	197.0	74.3	
4	121.5	218.2	96.7	
5				
6				
7				
8				
9				
10				
11				
Totals	489.2	794.4	305.2	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust 8 DATE (dd-mmm-yyyy): 2018-10-10 TIME (24:00): 1017

SAMPLED BY: AH TYPE OF SAMPLE: (Dust) Other

GPS COORDINATES (UTM): 531401 E 7154146 N (Zone) 12

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: ~5 °C Wind Direction: S 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 2018-06-25 by AH
Clear liquid (2 beakers used ~600mL x2)
Bugs present
Dust visible.

Analyzed 2018-10-13 @ 0930 by AH

Total Volume of Water After Melting: 890 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.2	134.8	12.6	
2	122.2	140.0	17.8	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	244.4	274.8	30.4	

Rio Tinto

Dust Gauge Collection Field Sheet

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Area:	8000	**Revision:**	R0
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Task:	Dust Gauge Collection Field Sheet		
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GENERAL

LOCATION NAME: Dust 9 DATE (dd-mmm-yyyy): 2018-10-10 TIME (24:00): 1139.

SAMPLED BY: AH TYPE OF SAMPLE: (Dust) Other

GPS COORDINATES (UTM): 541204 E 7152154 N (Zone) 12

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -5 °C Wind Direction: S 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 2018-06-25 by KG MN
clear liquid
Dust visible
Bugs present.
Analyzed 2018-10-13 @ 0730 by AH

Total Volume of Water After Melting: 390 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.3	157.5	35.2	
2	117.16	144.3	26.7	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	239.9	301.8	61.9	

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust 10. **DATE (dd-mmm-yyyy):** 2018-10-12 **TIME (24:00):** 0854

SAMPLED BY: AH MN **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 532908 E 7148924 **N (Zone)**

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -5 °C **Wind Direction:** S **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 2018-06-26 by MNSS2
Clear liquid - 3 beakers weighed - 400mL x 3
Bugs present
Dust visible - Brown/yellow tint
Analyzed 2018-10-14 @ 0730 by AH

Total Volume of Water After Melting: 910 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	123.1	141.2	18.1	Took long to filter
2	115.2	162.9	47.7	
3	122.3	178.5	56.2	
4				
5				
6				
7				
8				
9				
10				
11				
Totals	360.6	482.6	122.0	

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 11 DATE (dd-mmm-yyyy): 2018-10-10 TIME (24:00): 1106.

SAMPLED BY: AH TYPE OF SAMPLE: (Dust) Other

GPS COORDINATES (UTM): 531493 E 7150156 N (Zone) 12

DESCRIPTION: Quarter 3.

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -5 °C Wind Direction: S 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 2018-06-25 by AH.
clear liquid - placed in 2 beakers (1000 mL and 200 mL)
Dust visible
Bugs present.

Analyzed 2018-10-13 @ 0730 by AH

Total Volume of Water After Melting: 1025 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	117.8	135.7	17.9	
2	122.9	183.5	~~78.5~~ 60.6	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	240.7	319.2	~~96.4~~ 78.5	

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 12 **DATE (dd-mmm-yyyy):** 2018-10-10 **TIME (24:00):** 1054

SAMPLED BY: AH **TYPE OF SAMPLE:** (Dust) **Other** _____

GPS COORDINATES (UTM): 529323 **E** 7151191 **N (Zone)** 12

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -5 °C **Wind Direction:** S **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 2018-06-25 by AH.
clear liquid - Dust particles visible
Bugs present.
Analyzed 2018-10-13 @ 0730 by AH

Total Volume of Water After Melting: 975 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	122.8	134.8	12.0	
2	121.8	136.0	14.2	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	244.6	270.8	26.2	

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust C1 DATE (dd-mmm-yyyy): 2018-10-10 TIME (24:00): 1122

SAMPLED BY: AH TYPE OF SAMPLE: Dust Other

GPS COORDINATES (UTM): 534979 E 7144270 N (Zone) 12

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -5 °C Wind Direction: S 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 2018-06-25 by MH

Clear liquid (2 beakers used - 1000 mL and 250 mL)

Dust visible

Bugs present.

Analyzed 2018-10-13 @ 0730 by AH

Total Volume of Water After Melting: 1000 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	123.4	137.2	13.8	
2	121.8	139.2	17.4	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	245.2	276.4	31.2	

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust C2 DATE (dd-mmm-yyyy): 2018-10-10 TIME (24:00): 1040

SAMPLED BY: AH TYPE OF SAMPLE: Dust Other

GPS COORDINATES (UTM): 528714 E 7153296 N (Zone) 12

DESCRIPTION: Quarter 3

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -5 °C Wind Direction: S 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 2018-06-25 by AH

Clear liquid (2 beakers used - 600 mL and 250 mL)

Bugs present

Dust visible.

Analyzed 2018-10-13 @ 0730 by MH

Total Volume of Water After Melting: 630 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	123.6	133.7	10.1	
2	122.2	134.2	12.0	
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	245.8	267.9	22.1	

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 01 **DATE (dd-mmm-yyyy):** 2018-12-28 **TIME (24:00):** 1527

SAMPLED BY: AH GG **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 533964 E 7154321 N (Zone) 12 W

DESCRIPTION: Quarter 4 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -37 °C **Wind Direction:** W **Wind Speed (knots):** 4

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 2018-10-12 by MH/MN.
Snow complete to top of gauge.
- clear liquid, dust visible, no bugs

Total Volume of Water After Melting: 290 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.6.	185.0	68.4	Pre-weighed crucible, then weighed w filter to obtain accurate mass
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 2A **DATE (dd-mmm-yyyy):** 2019-01-03 **TIME (24:00):** 13:48

SAMPLED BY: GC NG **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 535678 **E** 7151340 **N (Zone)** 12

DESCRIPTION: Overcast, Windy, poor visibility

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -19 °C **Wind Direction:** 030° **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 2018-10-10

pale grey, lot of sandy particles on bottom, one large, (>1cm long) piece of debris.

Total Volume of Water After Melting : 480 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	4021.6	4025.7.0	45.4 mg	Filter + Crucible
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 3. **DATE (dd-mmm-yyyy):** 2018-12-28 **TIME (24:00):** 1610

SAMPLED BY: AH GC **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 535024 E 7151872 N (Zone) 12W.

DESCRIPTION: Quarter 4 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -37 °C **Wind Direction:** W **Wind Speed (knots):** 4

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 2018-10-12 by AH MN

Snow full to top of gauge.
- clear liquid, dust visible, no bugs.

Total Volume of Water After Melting: 400 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.7	192.7	77.0	Pre-weighed filter, then weighed filter to obtain accurate mass
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 4 **DATE (dd-mmm-yyyy):** 2018-12-28 **TIME (24:00):** 13:54

SAMPLED BY: AHGC **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 531397 E 7152127 N (Zone) 12W

DESCRIPTION: Quarter 4 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -37 °C **Wind Direction:** W **Wind Speed (knots):** 4

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 2018-10-13 by AH MN

Snow fuel to top of gauge
- clear liquid, some dust visible, no bugs

Total Volume of Water After Melting: 475 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.0	152.6	38.6	Pre-weighed Crucible, then weighed filter to obtain accurate mass
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 5 **DATE (dd-mmm-yyyy):** 2019-01-02 **TIME (24:00):** 11:05

SAMPLED BY: GC MN **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): _____ E _____ N (Zone) _____

DESCRIPTION: Very Windy, Snowing, Low visibility

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -15 °C **Wind Direction:** 140° **Wind Speed (knots):** 27

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 Dec 4 2018 10-10

Very Windy

After Melting:

grey, slightly cloudy, no bugs, Sandy particles at the bottom

& Miscommunication during TSS lead to filter being left in oven for 3 hours. Filter was then removed from crucible and put into metal tin instead of being weighed in crucible

Total Volume of Water After Melting: 310 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	~~27.077.9~~			~~Weight of Crucible + Filter~~
2	114.4	180.8	66.4	Visible particles in tray from removing filter from crucible
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

Area:	8000	**No:**	ENVI-178-0312
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GENERAL

LOCATION NAME: Dust 6. **DATE (dd-mmm-yyyy):** 2018-12-28 **TIME (24:00):** 1550

SAMPLED BY: AHGL **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 537502 E 7152934 N (Zone) 12 W

DESCRIPTION: Quarter 4 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -37 °C **Wind Direction:** W **Wind Speed (knots):** 4

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 2018-10-12 by AH MAR

Snow full to top of gauge.
- clear liquid, some dust visible, no bugs.

Total Volume of Water After Melting : 200 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.7	148.5	33.8	Pre-weighed crucible, then weighed in filter to obtain accurate mass
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 7 DATE (dd-mmm-yyyy): 2019-01-07 TIME (24:00): 13:27

SAMPLED BY: GC NG TYPE OF SAMPLE: Dust Other

GPS COORDINATES (UTM): 536816 E 7150512 N (Zone) 12

DESCRIPTION: Overcast, Snowing, Windy, poor visibility

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -19 °C Wind Direction: 030° 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 2019-10-10

Pale Grey, Some Sandy particles at bottom, slightly cloudy

Total Volume of Water After Melting: 330 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	34112.9	34146.8	33.9 mg	Crucible + filter
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 8. **DATE (dd-mmm-yyyy):** 02 JAN 2019 **TIME (24:00):** 11:45

SAMPLED BY: GC MN **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 0531403 **E** 7154147 **N (Zone)** 12W

DESCRIPTION: v. windy blowing snow.

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -15 °C **Wind Direction:** E 140° **Wind Speed (knots):** 27

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 2018-01-02.

V. windy.

gloves broke in the lab overnight, tube covered with bags.

Miscommunication during TSS lead to filter being in oven for 3 hours. Filter was then removed from crucible and put into metal tin instead of being weighed in crucible.

after melting;

grey colour, clear, no bugs, some debris on bottom sandy

Total Volume of Water After Melting: 490 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	~~39403.7~~			
2	12.7	151.5	38.8	visible particles left in tray from removing filter from crucible
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 9 **DATE (dd-mmm-yyyy):** 2019-01-04 **TIME (24:00):** 12:30

SAMPLED BY: GC NG **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 541203 **E** 7152155 **N (Zone)** 12

DESCRIPTION: Sunny, clear no wind

CLIMATE CONDITIONS (if sampling outside)

Air Temp: ~30 °C **Wind Direction:** 3 Km/hr **Wind Speed (knots):** 3 E

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 2018-10-10

light grey colour, slightly cloudy, 1 small visible piece of vegetation (< 1cm)

Total Volume of Water After Melting: 215 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	29107.7	29119.7	12.0 mg	Crucible + filter
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

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GENERAL

LOCATION NAME: Dust 10 **DATE (dd-mmm-yyyy):** 2018-12-28 **TIME (24:00):** 1445

SAMPLED BY: AHGC **TYPE OF SAMPLE:** (Dust) **Other**

GPS COORDINATES (UTM): 532908 **E** 7148924 **N (Zone)** 12W

DESCRIPTION: Quarter 4 Dust

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -37 °C **Wind Direction:** W **Wind Speed (knots):** 4

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 2018-10-12 by AH MN

Snow funnel to top of gauge.
- clear liquid, dust visible, small leaf present

Total Volume of Water After Melting: 380 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	115.4	194.9	79.5	Pre-weighed Crucible, then weighed filter to obtain accurate mass.
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

* Weigh filter + Crucibles together

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Duk 11 **DATE (dd-mmm-yyyy):** 2019-01-03 **TIME (24:00):** 12:15

SAMPLED BY: GC NG **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 531495 **E** 7150160 **N (Zone)** 12

DESCRIPTION: Sunny, breezy.

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -19 °C **Wind Direction:** 030° **Wind Speed (knots):** 11

Precipitation: rain / mist / snow / N/A

Snow Cover: 0%, 10%, 25%, 50%, 75%, (100%)

Cloud 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 2018-10-10

Grey, fairly cloudy, fluffy leaf particles on filter.

Total Volume of Water After Melting: 475 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	38952.5	39035.5	83.0mg	Crucible + filter
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

		No:	ENVI-178-0312
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GENERAL

LOCATION NAME: Dust 12 **DATE (dd-mmm-yyyy):** 03 Jan 2019 **TIME (24:00):** 1148

SAMPLED BY: NG DC **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 529650 **E** 7149141 **N (Zone)** 12

DESCRIPTION: clear sunny/windy

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -19 °C **Wind Direction:** 030° **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 2018-10-10

filled w snow to ~5cm from top

filter fairly clean, can see white through the dust.

Total Volume of Water After Melting : 490 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	39838.7	39858.6	19.9 mg	Crucible + filter
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: C1 **DATE (dd-mmm-yyyy):** 2019-01-04 **TIME (24:00):** 11:35

SAMPLED BY: GC NG **TYPE OF SAMPLE:** Dust **Other**

GPS COORDINATES (UTM): 534978 **E** 7144269 **N (Zone)** 12

DESCRIPTION: Clear Day, Very Sunny, no wind

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -28 °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 2018-10-10

Sample tower is tilted ~ 10-15°

Colour: Yellow, quite cloudy

On filter: quite a few fluffy pieces of debris, dust has a greenish-yellow tint to it

* Cylinder leaked into bag ~70mL. Was captured in bag and ran

Total Volume of Water After Melting: 300 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	30986.2	30998.1	11.9 mg.	Crucible + filter
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Rio Tinto

Dust Gauge Collection Field Sheet

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

LOCATION NAME: Dust C2 **DATE (dd-mmm-yyyy):** 03-May-2019 **TIME (24:00):** 11:27

SAMPLED BY: GC NG **TYPE OF SAMPLE:** (Dust) **Other** 12

GPS COORDINATES (UTM): 528714 **E** 7153276 **N (Zone)** _____

DESCRIPTION: clear, breezy

CLIMATE CONDITIONS (if sampling outside)

Air Temp: -19 °C **Wind Direction:** 030° **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 2018-10-10

slightly grey, mostly clear, minimal visible particles at bottom, no bugs

Total Volume of Water After Melting: 490 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	31343.9	31366.1	22.2 mg	Crucible + filter
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals				

Snow Sampling Field Sheet

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Area:	8000	**Revision:**	R7
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GENERAL

LOCATION NAME: ~~2018~~ SSI-1 **DATE (yyyy-mm-dd):** 2018-04-06 **TIME (24:00):** 1734

SAMPLED BY: SS2 DR **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:** NA

GPS COORDINATES (UTM): 533912 **E** 7154298 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0 km & Direction NA On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14 °C **WIND DIRECTION:** N **WIND SPEED (knots):** 10

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / (10%) / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	30.0	20.0	46.0	39.0	7.0	Y (N)	
	2	28.0	25.0	46.5	39.0	7.5	Y (N)	moss removed
	3	35.0	30.0	48.0	39.0	9.0	Y (N)	plant material present
	4	33.0	22.0	47.0	39.0	8.0	Y (N)	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1						Y N	
	2						Y N	
	3						Y N	
	4						Y N	
	5						Y N	
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

hard pack crust, powder underneath

Snow Sampling Field Sheet

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Area:	8000	**Revision:**	R7
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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1060 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.9	218.4	103.5	
2	115.0	245.6	130.6	
3	114.3	444.4	330.1	
4	115.3	458.0	342.7	
Totals	~~459.5~~ 459.5	~~1366.4~~ 1366.4	~~906.9~~	

Water Quality Bottles

Total Volume of Melted Snow : _____ (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type *	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	Y	N	☐	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	Y	☐	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	Y	☐	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☐	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	Y	N	☐	☐	☐	N/A	

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

5	114.7	1163.3	1048.6
6	114.0	899.0	785.0
7	115.2	116.8	1.6
	803.4	3545.5	2742.1

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS1-2-4 **DATE (yyyy-mm-dd):** 2018-04-06 **TIME (24:00):** 1714

SAMPLED BY: SS2 DR **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:** DUP

GPS COORDINATES (UTM): 533909 **E** 7154382 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0 km & Direction NA On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14 °C **WIND DIRECTION:** N **WIND SPEED (knots):** 10

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / (10%) / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	56.0	40.0	52 ~~56.0~~	39.0	13.0	Y (N)	
	2	56.0	42.0	52.0	39.0	13.0	Y (N)	
	3	55.0	40.0	50.5	39.0	11.5	Y (N)	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1						Y N	
	2						Y N	
	3						Y N	
	4						Y N	
	5						Y N	
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

Snow Sampling Field Sheet

Area:	8000	**No:**	ENVI-177-0312
Effective Date:	26-MAR-2012	**Revision:**	R7
Task:	Snow Sampling Field Sheet	**By:**	D. Dul
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DUST IN AREA ~~Visible~~ / Not Visible **SNOW CONDITION:** Crystallized / (Packed) Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1230 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	115.1	236.5	121.4	
2	115.2	160.6	45.4	
3	114.5	177.6	63.1	lost some dust while transfering, weighed empty cup + cup containing leftovers
4				
Totals	344.8	574.7	229.9	

40018

Water Quality Bottles

Total Volume of Melted Snow :_____(mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type *	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	Y	N	☐	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	Y	☐	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	Y	☐	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☐	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	Y	N	☐	☐	☐	N/A	

***Sample Type**: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS1-2-5 **DATE (yyyy-mm-dd):** 2018-01-06 **TIME (24:00):** 1720

SAMPLED BY: SS2 DR **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:** DUP

GPS COORDINATES (UTM): 533909 **E** 7154382 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0 km & Direction NA On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14 °C **WIND DIRECTION:** N **WIND SPEED (knots):** 10

PRECIPITATION: Rain / Mist / Snow / Ice (none) **CLOUD COVER:** 0% (10%) 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	55.0	30.0	49.0	39.0	10	Y (N)	Reweigh
	2	50.0	36.0	51.0	39.0	12	Y (N)	
	3	58.0	35.0	50.0	39.0	11	Y (N)	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1						Y N	
	2						Y N	
	3						Y N	
	4						Y N	
	5						Y N	
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

43

measured on drift, hard packed w crystal powder

Snow Sampling Field Sheet

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DUST IN AREA Visible / Not Visible

SNOW CONDITION: Crystallized / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1055 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	120.8	233.4	112.6	
2	115.2	120.0	4.8	
3				
4				
Totals	236.0	353.4	117.4	

Water Quality Bottles

Total Volume of Melted Snow :_____(mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type *	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	Y	N	☐	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	Y	☐	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	Y	☐	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☐	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	Y	N	☐	☐	☐	N/A	

***Sample Type**: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

Area: 8000
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GENERAL

LOCATION NAME: SS1-3 DATE (yyyy-mm-dd): 2018-04-06 TIME (24:00): 1652

SAMPLED BY: SS2 DR TYPE OF SAMPLE: (Dust) Water Quality QA/QC:

GPS COORDINATES (UTM): 533975 E 7154514 N (Zone) 12 NAD 83

DESCRIPTION: Distance to Diavik 0 km & Direction N/A On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14 °C WIND DIRECTION: NE WIND SPEED (knots): ~~26~~ 11

PRECIPITATION: Rain / Mist / Snow / Ice / (none)

CLOUD COVER: 0% / (10%) / 25% / 50% / ~~75%~~ / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	37.0	25.0	47.0	39.0	8.0	Y (N)	Reweighed
	2	36.0	20.0	45.0	39.0	6.0	Y (N)	
	3	36.0	29.0	47.0	39.0	8.0	Y (N)	
	4	36.0	26.0	47.0	39.0	8.0	Y (N)	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1						Y N	
	2						Y N	
	3						Y N	
	4						Y N	
	5						Y N	
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

hard packed crust, crystalline powder bottom

Snow Sampling Field Sheet

Area: 8000
Effective Date: 26-MAR-2012
Task: Snow Sampling Field Sheet

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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: (Crystallized) / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1000 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.9	229.0	114.1	
2				
3				
4				
Totals	114.9	229.0	114.1	

Water Quality Bottles

Total Volume of Melted Snow :_____(mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type *	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	Y	N	☐	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	Y	☐	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	Y	☐	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☐	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	Y	N	☐	☐	☐	N/A	

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS1-4 **DATE (yyyy-mm-dd):** 2018-04-06 **TIME (24:00):** 1616

SAMPLED BY: SS2 DR **TYPE OF SAMPLE:** (Dust) (Water Quality) **QA/QC:** NA

GPS COORDINATES (UTM): 534489 **E** 7155083 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0.77 km & Direction N On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14 °C **WIND DIRECTION:** N/ **WIND SPEED (knots):** 11

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / 10% / 25% / 50% (75%) / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	53.0	50.0	56.0	39.0	17.0	Y (N)	
	2	53.0	51.0	56.0	39.0	17.0	Y (N)	
	3	53.0	40.0	52.0	39.0	13.0	Y (N)	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	53.0	51.0	56.0	39.0	17.0	Y (N)	Reweighed, Bag 1
	2	53.0	51.0	56.0	39.0	17.0	Y (N)	Bag 1
	3	52.0	51.0	56.0	39.0	17.0	Y (N)	Bag 1
	4	53.0	52.0	56.0	39.0	17.0	Y (N)	Bag 2
	5	53.0	51.0	56.0	39.0	17.0	Y (N)	Bag 2
	6	52.5	42.0	53.0	39.0	14.0	Y (N)	Bag 2
	7	53.0	51.0	55.0	39.0	16.0	Y (N)	Bag 2
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

1
78
92
118

Snow Sampling Field Sheet

Area:	8000	**No:**	ENVI-177-0312
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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1560 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.9	156.6	41.7	
2				
3				
4				
Totals	114.9	156.6	41.7	

2100 + 1625

Water Quality Bottles

Total Volume of Melted Snow : 3725 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse
5	TSS/Turb/pH	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse

Dissolved Metals

***Sample Type**: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

(Y) ✓

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: S551-5 **DATE (yyyy-mm-dd):** 2018-04-06 **TIME (24:00):** 1505

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** Dust (Water) Quality **QA/QC:** NA

GPS COORDINATES (UTM): 535096 **E** 7156290 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 2.21 km & Direction N On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 11

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / 10% / 25% / 50% / (75%) / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	38.0	38.0	52.0	39.0	13	Y (N)	
	2	36.0	36.0	50.5	39.0	11.5	Y (N)	
	3	39.0	38.0	53.0	39.0	14	Y (N)	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	38.0	38.0	51.5	39.0	12.5	Y (N)	Bag 1
	2	38.0	37.5	52.0	39.0	13.0	Y (N)	Bag 1
	3	38.0	38.0	53.0	39.0	14.0	Y (N)	Reweighed, Bag 1
	4	38.0	37.0	51.0	39.0	12.0	Y (N)	Bag 1
	5	40.0	33.0	51.5	39.0	12.5	Y (N)	Bag 1
	6	37.0	36.0	51.0	39.0	12.0	Y (N)	Bag 2
	7	39.0	37.0	53.0	39.0	14.0	Y (N)	Bag 2
	8	39.0	39.0	53.0	39.0	14.0	Y (N)	Bag 2
	9	39.0	38.5	53.0	39.0	14.0	Y (N)	Bag 2
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

76.0
80.0
94.0
108.0

hard packed snow, hard top, softer bottom

Snow Sampling Field Sheet

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DUST IN AREA Visible (Not Visible)

SNOW CONDITION: Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1240 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.6	154.3	39.7	
2	115.5	140.8	25.3	
3				
4				
Totals	230.1	295.1	65.0	

1790+2105

Water Quality Bottles

Total Volume of Melted Snow: 3895 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☑	☐	☐	N/A	Rinse
5	TSS/Turb/pH	1000 mL plastic	Y	N	☑	☐	☐	N/A	Rinse

Dissolved Metals (Y)

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS2-1-4 **DATE (yyyy-mm-dd):** 2018-04-04 **TIME (24:00):** 1521

SAMPLED BY: SS, DB, DR **TYPE OF SAMPLE:** Dust Water Quality **QA/QC:**

GPS COORDINATES (UTM): 537550 **E** 7153476 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0.15 km & Direction NE On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -15.5 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 19

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	~~30~~ 31.5	26.0	47.0	38.5	8.5	Y (N)	
	2	~~30.0~~ 30	29.0	47.5	38.5	9.0	Y (N)	
	3	30.0	30.0	48.0	38.5	9.5	Y (N)	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	35.0	33.0	49.0	39.0	10	Y (N)	Bag 1
	2	34.5	32.0	49.0	39.0	10	Y (N)	Reweigh, Bag 1
	3	35.0	32.0	49.0	39.0	10	Y (N)	Bag 1
	4	34.5	33.0	49.5	39.0	10.5	Y (N)	Bag 1
	5	~~34.5~~ 34.5	32.0	48.5	39.0	9.5	Y (N)	Bag 1
	6	34.5	32.0	49.0	39.0	10.0	Y (N)	Reweigh, Bag 2
	7	34.5	30.5	49.5	39.0	10.5	Y (N)	Bag 2
	8	35.0	34.0	49.5	39.0	10.5	Y (N)	Bag 2
	9	34.5	32.5	248.0	39.0	9.0	Y (N)	Reweigh, Bag 2
	10	34.5	32.0	48.5	39.0	9.5	Y (N)	Bag 2
	11	34.0	30.0	48.0	39.6	9.0	Y (N)	Bag 2
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

7/6
47.0
38.5
8.5

100.5

Snow Sampling Field Sheet			
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DUST IN AREA Visible / (Not Visible) **SNOW CONDITION:** Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 800 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	115.0	133.3 ~~115.0~~	18.3	
2				
3				
4				
Totals	115.0	133.3	18.3	

Water Quality Bottles

1800+1545

Total Volume of Melted Snow : 3345 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse
5	TSS/Turb/pH	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse

Dissolved Metals (Y) ✓

***Sample Type**: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: ~~SS1-5~~ SS2-1-5 **DATE (yyyy-mm-dd):** 2018-04-04 **TIME (24:00):** 1533

SAMPLED BY: SS2, DB, DB **TYPE OF SAMPLE:** Dust Water Quality **QA/QC:**

GPS COORDINATES (UTM): 537550 **E** 7153476 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik ~~4.83~~ 0.15 km & Direction ~~7153476~~ NE On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -15.5 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 19

PRECIPITATION: Rain / Mist / Snow / Ice (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	29.0	25.0	46.0	38.5	7.5	Y (N)	
	2	29.0	28.0	47.0	38.5	8.5	Y (N)	
	3	~~28.5~~ 29.0	25.0	46.5	39.0	7.5	Y (N)	Reweigh
	4	28.5	25.0	46.0	39.0	7.0	Y (N)	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	34.0	32.0	48.0	39.0	9.0	Y (N)	Bag 1
	2	35.0	30.0	48.0	39.0	9.0	Y (N)	Reweigh Bag 1
	3	34.5	33.5	49.0	39.0	10.0	Y (N)	Bag 1
	4	34.5	24.5	47.0	39.0	8.0	Y (N)	Bag 1
	5	34.5	33.5	49.0	39.0	10.0	Y (N)	Bag 1
	6	34.5	24.5	46.0	39.0	7.0	Y (N)	Bag 1, crystalline
	7	34.0	31.0	38.0	39.0	9.0	Y (N)	Reweigh, Bag 2
	8	34.0	34.0	50.0	39.0	11.0	Y (N)	Bag 2
	9	34.0	30.0	47.5	39.0	8.5	Y (N)	Bag 2
	10	33.5	33.0	49.0	39.0	10.0	Y (N)	Bag 2
	11	34.0	33.5	49.0	39.0	10.0	Y (N)	Bag 2
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

315
~~46~~ 10
38.5
7.5

3
~~46~~ 6.5
39.0
7.5

Snow Sampling Field Sheet

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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 935 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.9	135.9	21.0	
2				
3				
4				
Totals	114.9	135.9	21.0	

1680 + 1515

Water Quality Bottles

Total Volume of Melted Snow: 3195 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	(N)	☑	☐	☐	N/A	1 rinse
5	TSS/Turb/pH	1000 mL plastic	Y	(N)	☑	☐	☐	N/A	1 rinse.

Dissolved Metals

*Sample Type: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

(P)

Additional Comments

Snow Sampling Field Sheet

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GENERAL

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LOCATION NAME: SS2-2 **DATE (yyyy-mm-dd):** 2018-04-04 **TIME (24:00):** 1650

SAMPLED BY: SS2, DB, DR **TYPE OF SAMPLE:** Dust Water Quality **QA/QC:**

GPS COORDINATES (UTM): 537835 **E** 7153489 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik < 1 0.43 km & Direction WNE On: Land (Lake)

~~Sample west of Diavik~~

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: ~~NNE~~ -15.3 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 18

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments	
Dust Cores	1	26	25	48	39	9	Y (N)		
	2	25	25	48	39	9	Y (N)		
	3	29	28	48	39	9	Y (N)		
	4						Y (N)		
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)									
Water Quality Cores	1	25	15	43	39	4	Y (N)	Bag 1	11
	2	30	30	46	39	7	Y (N)	Bag 1	15
	3	30	22	43	39	4	Y (N)	Bag 1	24
	4	33	33	48	~~48~~39	9	Y (N)	Bag 1	33
	5	34	33	48	39	9	Y (N)	Bag 1	42
	6	33	33	48	39	9	Y (N)	Bag 1	51
	7	33	33	48	39	9	Y (N)	Bag 2	57
	8	32	21	45	39	6	Y (N)	Bag 2	66
	9	34	33	48	39	9	Y (N)	Bag 2	75
	10	34	32	48	39	9	Y (N)	Bag 2	84
	11	34	32	48	39	9	Y (N)	Bag 2	93
	12	34	33	48	39	9	Y (N)	Bag 2	102
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)									
	13	34	33	48	39	9	N	Bag 2	

Weighed

Weighed

Snow Sampling Field Sheet

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DUST IN AREA Visible / (Not Visible) **SNOW CONDITION:** Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 770 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	115.8	128.6	12.8	
2				
3				
4				
Totals	115.8	128.6	12.8	

Water Quality Bottles

1725 + 1355

Total Volume of Melted Snow : 3080 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * GW	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☑	☐	☐	N/A	) rinse
5	TSS/Turb/pH	1000 mL plastic	Y	N	☑	☐	☐	N/A	) rinse

Dissolved Metals (Y) ✓

***Sample Type**: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: 552-3 **DATE (yyyy-mm-dd):** 2018/04/06 **TIME (24:00):** 1321

SAMPLED BY: 552 DR **TYPE OF SAMPLE:** Dust Water Quality **QA/QC:** NA

GPS COORDINATES (UTM): 538492 **E** 7153940 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 1.20 km & Direction NE On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -15.5 °C **WIND DIRECTION:** W **WIND SPEED (knots):** 10

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / 10% / 25% / 50% / (75%) / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	33	31	49.0	39.0	10	Y (N)	
	2	32	26	48.0	39.0	9	Y (N)	
	3	26	25	47.0	39.0	8	Y (N)	
	4						Y (N)	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	32	30	49.5	39.0	10.5	Y (N)	Bag 1
	2	31	30	48.5	39.0	9.5	Y (N)	Reweigh Bag 1
	3	32	30	48.0	39.0	9.0	Y (N)	Bag 1
	4	31	30	49.0	39.0	10.0	Y (N)	Bag 1
	5	30	30	49.0	39.0	10.0	Y (N)	Bag 1
	6	32	30	49.0	39.0	10.0	Y (N)	Bag 1
	7	30	29	48.0	39.0	9.0	Y (N)	Bag 2
	8	32	30	49.0	39.0	10.0	Y (N)	Bag 2, Beweigh
	9	31	30	48.0	39.0	9.0	Y (N)	Bag 2
	10	30.5	30	48.0	39.0	9.0	Y (N)	Bag 2
	11	30.0	29	48.5	39.0	9.5	Y (N)	Bag 2
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

1
78
18
96
9.5
10.5 5

Snow Sampling Field Sheet

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DUST IN AREA Visible / Not Visible (Visible)

SNOW CONDITION: Crystallized / Packed / Wet / Dry (Packed)

*** **Water Content** $_{SWE}$ = **Wt. of Tube & Core** $_{SWE}$ – **Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 830 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	116.1	124.3	8.2	
2				
3				
4				
Totals	116.1	124.3	8.2	

Water Quality Bottles

1815 + 1480

Total Volume of Melted Snow : 3295 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse
5	TSS/Turb/pH	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse

Dissolved Metals (Y)

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS2-4 **DATE (yyyy-mm-dd):** 2018-04-06 **TIME (24:00):** 1406

SAMPLED BY: SS2/DR **TYPE OF SAMPLE:** (Dust) (Water Quality) **QA/QC:** NA

GPS COORDINATES (UTM): 539169 **E** 7154694 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 2.20 km & Direction NE On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14.5 °C **WIND DIRECTION:** W **WIND SPEED (knots):** 8

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / 10% / 25% / 50% / (75%) / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	30	30	48.0	39.0	9.0	Y (N)	
	2	29	28	47.0	39.0	8.0	Y (N)	
	3	30	29	48.0	39.0	9.0	Y (N)	
	4	27	26	47.0	39.0	8.0	Y (N)	Reweigh
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	30	30	48.0	39.0	9.0	Y (N)	Bag 1
	2	32	30	48.5	39.0	9.5	Y (N)	Bag 1
	3	30	29	48.0	39.0	9.0	Y (N)	Bag 1
	4	30	29	48.0	39.0	9.0	Y (N)	Bag 1
	5	28	27	47.0	39.0	8.0	Y (N)	Bag 1
	6	32	30	48.0	39.0	9.0	Y (N)	Bag 1
	7	30	29	48.0	39.0	9.0	Y (N)	Bag 2
	8	32	26	47.0	39.0	8.0	Y (N)	Bag 2
	9	29	27.5	47.0	39.0	8.0	Y (N)	Bag 2
	10	30.0	29.0	48.0	39.0	8.09.0	Y (N)	Bag 2 reweigh
	11	29.0	28.0	47.5	39.0	8.5	Y (N)	Bag 2
	12	28.0	27.0	47.5	39.0	8.5	Y (N)	Bag 2
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

62.5
15.0
16.5
78.5
15.0
93.5
15.5
109.0
6.5
104.3

Snow Sampling Field Sheet

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DUST IN AREA Visible / (Not Visible) **SNOW CONDITION:** Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1140 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.5	123.7	9.2	
2				
3				
4				
Totals	114.5	123.7	9.2	

1780 + 1705

Water Quality Bottles

Total Volume of Melted Snow : 3485 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse
5	TSS/Turb/pH	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse

Dissolved Metals (Y)

***Sample Type**: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS3-4-4 **DATE (yyyy-mm-dd):** 2018-04-08 **TIME (24:00):** 1432

SAMPLED BY: SSR, DR **TYPE OF SAMPLE:** (Dust) (Water Quality) **QA/QC:** ~~DUST~~ WQ DUP

GPS COORDINATES (UTM): 536551 **E** 7151013 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0.57 km & Direction SE On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -16.6 °C **WIND DIRECTION:** SW **WIND SPEED (knots):** ~~0~~ 1

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

hard packed dry, big crystals

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	25	20	44	38.5	5.5	Y (N)	
	2	28	26	48	38.5	9.5	Y (N)	
	3	27	26	47.5	38.5	9.0	Y (N)	
	4	28	26	48.0	38.5	9.5	Y (N)	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	27	26	47.5	38.5	9.0	Y (N)	Bag 1
	2	26	25	47.0	39.0	8.0	Y (N)	Reweigh, Bag 1
	3	29	29	49.0	39.0	10.0	Y (N)	Bag 1
	4	30	29	49.5	39.0	10.5	Y (N)	Bag 1
	5	29	28	49.0	39.0	10.0	Y (N)	Bag 1
	6	29	28	49.0	39.0	10.0	Y (N)	Bag 2
	7	29	28	48.0	39.0	9.0	Y (N)	Bag 2
	8	28	28	48.0	39.0	9.0	Y (N)	Bag 2
	9	27	26	47.0	39.0	8.0	Y (N)	Bag 2
	10	28	27	48.0	39.0	9.0	Y (N)	Bag 2
	11	27	26	47.5	39.0	8.5	Y (N)	Bag 2
	12	30	30	49.0	39.0	10.0	Y (N)	Bag 2
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

37.5

76.0
93.5
102.5
100.0

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DUST IN AREA Visible / (Not Visible) **SNOW CONDITION:** Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 995 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.8	145.6	30.8	
2				
3				
4				
Totals	114.8	145.6	30.8	

Water Quality Bottles

Total Volume of Melted Snow : 3450 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

Dissolved Metals (4) ✓

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS3-4-5 DATE (yyyy-mm-dd): 2018-01-08 TIME (24:00): 1502

SAMPLED BY: SS2, DR TYPE OF SAMPLE: Dust (Water Quality) QA/QC: DUP

GPS COORDINATES (UTM): 536551 E 7151013 N (Zone) 12 NAD 83

DESCRIPTION: Distance to Diavik 0.57 km & Direction SE On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -16.7 °C WIND DIRECTION: ~~NA~~ NE WIND SPEED (knots): 02

PRECIPITATION: Rain / Mist / Snow / Ice / (none) CLOUD COVER: (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments	
Dust Cores	1						Y N		
	2						Y N		
	3						Y N		
	4						Y N		
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)									
Water Quality Cores	1	28	27	47.5	39	8.5	Y (N)	Bag 1	
	2	27	26	47.5	38.5	9.0	Y (N)	Reweigh, Bag 1	
	3	27	26	48.0	38.5	9.5	Y (N)	Bag 1	
	4	30	29	48.0	38.5	9.5	Y (N)	Bag 1	
	5	30	30	49.0	38.5	10.5	Y (N)	Bag 1	77.0
	6	32	31	49.0	38.5	10.5	Y (N)	Bag 1	
	7	30	30	49.0	38.5	10.5	Y (N)	Bag 2	
	8	29	28	48.5	38.5	10.0	Y (N)	Bag 2	
	9	29	28	48.0	38.5	9.5	Y (N)	Bag 2	87.5
	10	28	27	48.0	38.5	9.5	Y (N)	Bag 2	
	11	27	26	48.0	38.5	9.5	Y (N)	Bag 2	77.5
	12	30	29	49.0	38.5	10.5	Y (N)	Bag 2	108.
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)									

Snow Sampling Field Sheet

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DUST IN AREA Visible / Not Visible

SNOW CONDITION: Crystallized / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: ~~3525~~ (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1				
2				
3				
4				
Totals				

Water Quality Bottles

Total Volume of Melted Snow : 3525 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * GW	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

Dissolved Metals (Y) ✓

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS3-5 **DATE (yyyy-mm-dd):** 2018-04-08 **TIME (24:00):** 1317

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** (Dust) (Water) Quality **QA/QC:**

GPS COORDINATES (UTM): 537676 **E** 7150832 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 1.60 km & Direction SE On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -18 °C **WIND DIRECTION:** N **WIND SPEED (knots):** 2

PRECIPITATION: Rain / Mist / Snow / Ice (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	40	35	50	39	11	(Y) N	original point on ice; [illegible]
	2	28	27	47	39	8	(Y) N	
	3	30	28	48	39	9	(Y) N	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	35	34	50	38.5	11.5	(Y) N	Rewaigh, Bag 1
	2	35	33	50	38.5	11.5	(Y) N	Bag 1
	3	34	33	50	38.5	11.5	(Y) N	Bag 1
	4	35	34	50	38.5	11.5	(Y) N	Bag 1
	5	35	34	49	38.5	10.5	(Y) N	Bag 1
	6	34	33	49	38.5	10.5	(Y) N	Bag 2
	7	34	32	49	38.5	10.5	(Y) N	Bag 2
	8	35	34	50.5	38.5	12.0	(Y) N	Bag 2
	9	35	33	50.0	38.5	11.5	(Y) N	Bag 2
	10	35	34	50.0	38.5	11.5	(Y) N	Bag 2
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

11
38.5
11.5
12.0

Snow Sampling Field Sheet

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DUST IN AREA Visible / Not Visible

SNOW CONDITION: Crystallized / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 910 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	116.4	146.9	30.5	
2				
3				
4				
Totals	116.4	146.9	30.5	

Water Quality Bottles

Total Volume of Melted Snow : 3505 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (Dissolved Metals)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☐	☐	☐	N/A	

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS3-6 **DATE (yyyy-mm-dd):** 2018-04-08 **TIME (24:00):** 1613

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:** NA

GPS COORDINATES (UTM): 536308 **E** 7151578 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0 km & Direction NA On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -16.6 °C **WIND DIRECTION:** NE NA **WIND SPEED (knots):** ~~0~~ 3

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) 10% / 25% / 50% / 75% / 100%

hard packed, dry snow

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments	
Dust Cores	1	27 21	20	45	39	6.0	Y (N)		
	2	21.0	20	45	39	6.0	Y (N)		
	3	21.0	20	45	39	6.0	Y (N)		
	4	21.0	20	45	39	6.0	Y (N)		
	5	22.0	21	46	39	6.0	N		
	Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	22	21	45	39	6.0	Y (N)	Bag 1	
	2	22	21	44.5	39	5.5	Y (N)	Bag 1	11.5
	3	22	21	45	39	6.0	Y (N)	Bag 1	
	4	20	20	44.5	39	5.5	Y (N)	Reweighed, Bag 1	23.0
	5	22	21	45.0	39	6.0	Y (N)	Bag 1	
	6	21	21	45.0	39	6.0	Y (N)	Bag 1	
	7	21	21	45.0	39.0	6.0	Y (N)	Bag 1	41.0
	8	20	19	44.5	39	5.5	Y (N)	Bag 1	
	9	21	21	45	39	6.0	Y (N)	Bag 1	
	10	21	21	44.5	39	5.5	Y (N)	Bag 2	
	11	22	21.5	45	39	6.0	Y (N)	Bag 2	
	12	21	20	44.5	39	5.5	Y (N)	Bag 2	69.5
	Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								26.5
	13	21	20	44.5	39	5.5	N	Bag 2	
	14	21	20	44.5	39	5.5	N	Bag 2	
	15	24	24	46.5	39	7.5	N	Bag 2	
	16	24	23	46.5	39	7.5	N	Reweighed, Bag 2	95.5
	17	23	22.5	46.0	39	7.0	N	Bag 2	102.5

Snow Sampling Field Sheet

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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: Crystallized / (Packed) / Wet / (Dry)

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 960 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	116.2	201.4	85.2	
2	114.3	116.1	1.8	
3				
4				
Totals	~~116.2~~ 230.5	317.5	87.0	

Water Quality Bottles

Total Volume of Melted Snow : 3330 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Dissolved Metals (Y) ✓

Additional Comments
some dust lost after weighing which will affect reweighing

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: ~~2~~553-7 **DATE (yyyy-mm-dd):** 2018-04-08 **TIME (24:00):** 1539

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** (Dust) (Water Quality) **QA/QC:**

GPS COORDINATES (UTM): 536343 **E** 7151359 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0.19 km & Direction SE On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -16.7 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 3

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	28	26	47.5	39.0	8.5	Y (N)	Reweighed
	2	27.5	27	47.5	39.0	8.5	Y (N)	
	3	28	28	48.5	39.0	9.5	Y (N)	
	4	29	28	48.0	39.0	9.0	Y (N)	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	30	29	48.0	39.0	9.0	Y (N)	Bag 1
	2	28	27	46.5	39.0	7.5	Y (N)	Bag 1
	3	28	26	47.5	39.0	8.5	Y (N)	Bag 1
	4	32	31	50.0	39.0	11.0	Y (N)	Bag 1
	5	30	29	49.0	39.0	10.0	Y (N)	Reweighed, Bag 1
	6	30	28	48.5	39.0	9.5	Y (N)	Bag 1
	7	30	29	49.5	39.0	10.5	Y (N)	Bag 2
	8	31	30	49.0	39.0	10.0	Y (N)	Bag 2
	9	30	30	49.0	39.0	10.0	Y (N)	Bag 2
	10	30	30	49.0	39.0	10.0	Y (N)	Bag 2
	11	30	30	49.5	39.0	10.5	Y (N)	Bag 2
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

85.5

Snow Sampling Field Sheet			
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DUST IN AREA Visible / Not Visible

SNOW CONDITION: Crystallized / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1135 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	115.8	156.1	40.3	
2				
3				
4				
Totals	115.8	156.1	40.3	

1820 + 1655

Water Quality Bottles

Total Volume of Melted Snow: 3475 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * GW	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	(1mL - HCL)	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	(1mL H_2SO_4)	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Metals Dissolved (Y) ✓

Additional Comments
Bugs combined before added to bottles

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: 553-8 **DATE (yyyy-mm-dd):** 2018-04-08 **TIME (24:00):** 1358

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** (Dust) (Water Quality) **QA/QC:** NA

GPS COORDINATES (UTM): 536696 **E** 7150804 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0.85 km & Direction SE On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -18 °C **WIND DIRECTION:** N **WIND SPEED (knots):** 2

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments	
Dust Cores	1	45	38	53	38.5	13.5	(Y) N	near ice road	
	2	38	38	52	38.5	12.5	(Y) N		
	3	38	38	53	38.5	13.5	(Y) N		
	4						Y N		
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)									
Water Quality Cores	1	44	43	54	38.5	14.5	(Y) N	Bag 1	
	2	44	43	54	38.5	14.5	(Y) N	Bag 1	
	3	45	44	55	38.5	15.5	(Y) N	Bag 1	44.5
	4	44	44	54.5	38.5	15.0	(Y) N	Bag 1	
	5	42	41	54.5	38.5	15.0	(Y) N	Bag 2	74.5
	6	42	40	54.5	38.5	15.0	(Y) N	Bag 2	
	7	41	40	54.5	38.5	15.0	(Y) N	Bag 2	103.5
	8						Y N		
	9						Y N		
	10						Y N		
	11						Y N		
	12						Y N		
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)									

Snow Sampling Field Sheet

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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1295 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	116.0	196.7	80.7	
2	115.0	189.9	74.9	
3	115.5	118.9	3.4	
4				
Totals	346.5 ~~116.0~~	495.5	159.0	

1375 + 1950

Water Quality Bottles

Total Volume of Melted Snow: 3325 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	(1 mL - HCL)	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	(1mL - H_2SO_4)	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

***Sample Type**: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Metals Dissolved (Y) ✓

Additional Comments
Metals, Mercury, Routine, Nutrients filled from bag 1
TSS/pH/turb partly filled with bag 1 + part bag 2
Perchlorate bag 2

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS4-1 **DATE (yyyy-mm-dd):** 2018-04-05 **TIME (24:00):** 16:34

SAMPLED BY: DR, SS2 **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:**

GPS COORDINATES (UTM): 531497 **E** 7152209 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0 km & Direction W On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14.1 °C **WIND DIRECTION:** N **WIND SPEED (knots):** 9

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / 10% / (25%) / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	26.0	26.0	46.0	39.0	7.0	Y (N)	plant debris
	2	26.0	25.0	45.0	39.0	6.0	Y (N)	Rewash, plant debris
	3	25.0	23.0	45.0	39.0	6.0	Y (N)	
	4	32.0	22.0	45.0	39.0	6.0	Y (N)	plant debris
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	15	28.0	21.0	46.0	39.0		Y (N)	
	2						Y N	
	3						Y N	
	4						Y N	
	5						Y N	
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

Snow Sampling Field Sheet

Area:	8000	**No:**	ENVI-177-0312
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DUST IN AREA Visible / Not Visible

SNOW CONDITION: Crystallized / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1015 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	116.8	129.3	12.5	
2	116.7	173.3	56.6	
3	116.3	117.2	0.9	
4				
Totals	349.8	419.8	70.0	

Water Quality Bottles

Total Volume of Melted Snow : _____ (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type *	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	Y	N	☐	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	Y	☐	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	Y	☐	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☐	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	Y	N	☐	☐	☐	N/A	

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS4-2 **DATE (yyyy-mm-dd):** 2018-04-05 **TIME (24:00):** 1300

SAMPLED BY: DR, DB, SS2 **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:**

GPS COORDINATES (UTM): 531361 **E** 7152258 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0 km & Direction NA On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 13

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / 10% / 25% / 50% / (75%) / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	23.0	20.0	43.0	39.0	4.0	Y (N)	plant debris
	2	20.0	12.0	42.0	39.0	3.0	Y (N)	
	3	26.0	15.0	41.0	39.0	2.0	Y (N)	
	4	25.0	15.0	41.0	39.0	2.0	Y (N)	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	~~5~~	24.0	11.0	40.0	39.0	1.0	Y (N)	Reweighed
	~~6~~	33.0	15.0	41.0	39.0	2.0	Y (N)	
	~~7~~	25.0	20.0	44.0	39.0	5.0	Y (N)	plant debris
	~~8~~	~~14.0~~ 44.0	~~35.0~~ 15.0	46.0	39.0	7.0	Y (N)	plant debris removed, some remains
	~~9~~	35.00	28.0	46.0	39.0	7.0	Y (N)	plant debris removed, some remains
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

no real packed snow, wind blown

Snow Sampling Field Sheet

Area:	8000	**No:**	ENVI-177-0312
Effective Date:	26-MAR-2012	**Revision:**	R7
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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: (Crystallized) / Packed / Wet / (Dry)

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1200 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	115.4	~~137.3~~ 155.2	39.8	
2	114.9	137.3	22.4	
3				
4				
Totals	230.3	292.5	62.2	

Water Quality Bottles

Total Volume of Melted Snow : _____ (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type *	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments **DI Batch # for QAQC**, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	Y	N	☐	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	Y	☐	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	Y	☐	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☐	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	Y	N	☐	☐	☐	N/A	

***Sample Type**: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS4-3 **DATE (yyyy-mm-dd):** 2018/04/05 **TIME (24:00):** 1238

SAMPLED BY: DR, DB, SS2 **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:**

GPS COORDINATES (UTM): 531328 **E** 7152476 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik Ø km & Direction NA On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14.2 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 18

PRECIPITATION: Rain / Mist / Snow / Ice (none) **CLOUD COVER:** 0% / 10% / 25% / 50% / (75%) / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	28.0	20.0	44.0	39.0	5.0	Y (N)	packed on top, crystal bottom
	2	38.0	23.0	44.0	39.0	5.0	Y (N)	some debris
	3	36.0	24.0	43.0	39.0	4.0	Y (N)	
	4	42.0	30.6	46.0	39.0	7.0	Y (N)	
	5	29.0	21.0	44.0	39.0	5.0	(N)	
	Dust (Min. of 3 cores – Total Water Content SWE =/> 25)							
Water Quality Cores	1						Y N	
	2						Y N	
	3						Y N	
	4						Y N	
	5						Y N	
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
	Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)							

Snow Sampling Field Sheet

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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: (Crystallized) / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1005 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.3	145.8	31.5	
2				
3				
4				
Totals	114.3	145.8	31.5	

Water Quality Bottles

Total Volume of Melted Snow :_____(mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type *	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	Y	N	☐	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	Y	☐	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	Y	☐	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☐	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	Y	N	☐	☐	☐	N/A	

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments
Packed snow on top, crystals underneath

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS4-4 **DATE (yyyy-mm-dd):** 2018-04-05 **TIME (24:00):** 1157

SAMPLED BY: DR, DB, SS **TYPE OF SAMPLE:** (Dust) Water (Quality) **QA/QC:**

GPS COORDINATES (UTM): 531147 **E** 7153165 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 1.05 km & Direction W On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14.2 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 17

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / 10% / 25% / 50% / 75% / (100%)

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	60.0	58.0	56.0	39.0	17.0	Y (N)	Caribou scat, caribou sighted
	2	75.0	47.0	54.0	39.0	15.0	Y (N)	
	3	76.0	49.0	54.0	39.0	15.0	Y (N)	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	76.0	50.0	53.0	39.0	14.0	Y (N)	Reweigh, Bag 1
	2	78.0	51.0	52.0	39.0	13.0	Y (N)	Bag 1
	3	80.0	49.0	53.0	39.0	14.0	Y (N)	Bag 1
	4	82.0	79.0	58.0	39.0	19.0	Y N	Bag 1
	5	~~79.0~~ 80.0	46.0	51.0	39.0	12.0	Y (N)	Bag 2
	6	78.0	48.0	52.0	39.0	13.0	Y (N)	Bag 2
	7	75.0	22.0	46.0	39.0	7.0	Y (N)	Powder on top, reweighed
	8	55.0	31.0	55.0	39.0	16.0	Y (N)	
	9	55.0	25.0	47.0		8.6	Y (N)	Packed on crystals snow base
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

snowcore not grabbing after WQ 6

41

75

80

98

Snow Sampling Field Sheet

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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: (Crystallized) / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1360 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.8	137.3	22.5	
2				
3				
4				
Totals	114.8	137.3	22.5	

Water Quality Bottles

1890 + 1825

Total Volume of Melted Snow : 3715 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse
5	TSS/Turb/pH	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Dissolved Metals (Y)

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: 554-5-4 **DATE (yyyy-mm-dd):** 2018/04/05 **TIME (24:00):** 10:15

SAMPLED BY: DR, DB, SS **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:**

GPS COORDINATES (UTM): 531405 **E** 7154124 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 4.45 1.46 km & Direction NW On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -15.3 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 15

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / 10% / 25% / 50% / 75% / (100%)

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments	
Dust Cores	1	~~29.0~~ 30.0	28.0	46.0	38.5	~~8~~ 7.5	Y (N)	Weighed	
	2	30.0	29.0	46.5	38.5	8.0	Y (N)		15.5
	3	29.0	23.0	44.0	38.5	5.5	Y (N)		21.0
	4	31.0	31.0	47.5	38.5	9.0	Y (N)		30.0
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)									
Water Quality Cores	1	30.0	29.0	46.5	39.0	7.5	Y (N)	Reweigh, Bag 1	
	2	29.0	25.0	46.0	39.0	7.0	Y (N)	Bag 1	
	3	30.0	30.0	47.0	39.0	8.0	Y (N)	Bag 1	~~22.5~~
	4	28.0	25.0	45.0	39.0	6.0	Y (N)	Bag 1	~~28.5~~
	5	30.0	30.0	47.0	38.5	~~8~~ 7.5	Y (N)	Bag 1 Reweigh	~~36.0~~
	6	30.0	28.0	46.0	38.5	~~7~~ 6.5	Y (N)		~~42.5~~
	7	30.0	29.5	47.0	38.5	~~8~~ 8.5	Y (N)		~~50.0~~
	8	30.0	30.0	48.0	38.5	~~9~~ 9.5	Y (N)		~~5~~
	9	30.0	30.0	48.0	38.5	9.5	Y (N)		6
	10	31.0	31.0	48.0	38.5	9.5	Y (N)	Reweigh	
	11	31.0	29.0	47.0	38.5	8.5	Y N		
	12	31.0	30.0	47.0	38.5	8.5	Y N		5
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)									
	13	31.0	29.5	47.0	38.5	8.5			

Snow Sampling Field Sheet

Area: 8000
Effective Date: 26-MAR-2012
Task: Snow Sampling Field Sheet

No: ENVI-177-0312
Revision: R7
By: D. Dul

DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 895 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	115.2	135.1	19.9	
2				
3				
4				
Totals	115.2	135.1	19.9	

Water Quality Bottles

Total Volume of Melted Snow : 3245 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * DUP1	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

Dissolved Metals (Y) ✓

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS4-5-5 **DATE (yyyy-mm-dd):** 2018-04-05 **TIME (24:00):** 1040

SAMPLED BY: DR, DB, SS2 **TYPE OF SAMPLE:** Dust Water (Quality) **QA/QC:** DUP W

GPS COORDINATES (UTM): 531405 **E** 7154124 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 1.46 km & Direction NW On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -15.3 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 15

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / 10% / 25% / 50% / 75% / (100%)

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments	
Dust Cores	1						Y N		
	2						Y N		
	3						Y N		
	4						Y N		
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)									
Water Quality Cores	1	30.0	29.0	47.0	38.5	~~158.5~~	Y (N)	Bag 2	
	2	30.0	27.0	47.0	38.5	8.5	Y (N)	Bag 2	
	3	32.0	30.5	47.0	38.5	8.5	Y (N)	Bag 2	
	4	31.0	30.0	46.0	38.5	7.5	Y (N)	Bag 2	
	5	31.0	30.5	46.5	38.5	8.0	Y (N)	Bag 2	0
	6	31.0	24.0	45.0	38.5	6.5	Y (N)	Bag 2	
	7	30.0	29.0	47.0	38.5	8.5	Y (N)	Bag 2	56.0
	8	30.0	29.0	47.0	38.5	8.5	Y (N)	Bag 1 Reweigh	64.5
	9	30.0	30.0	47.5	38.5	9.0	Y (N)	Bag 1	73.5
	10	30.0	29.0	47.0	38.5	8.5	Y (N)	Bag 1	82
	11	30.0	29.0	47.0	38.5	8.5	Y (N)	Bag 1	90.5
	12	29.5	28.0	46.6	38.5	7.5	Y (N)	Bag 1	98.0
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)									
	13	29.0	25.0	45.5	38.5	7.0	(N)	Bag 1	105

3/6
47.10
38.5
8.5

1490

Snow Sampling Field Sheet

Area:	8000	**No:**	ENVI-177-0312
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DUST IN AREA Visible / Not Visible

SNOW CONDITION: Crystallized / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: _____(mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1				
2				
3				
4				
Totals				

Water Quality Bottles

Total Volume of Melted Snow : 3185 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * DUP2	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

Bissolved Metals (Y) ✓

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: ~~2018~~ SS5-1-4 **DATE (yyyy-mm-dd):** 2018-04-07 **TIME (24:00):** 1054

SAMPLED BY: SS2 DR **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:** DUP

GPS COORDINATES (UTM): 533143 **E** 7148934 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0 km & Direction NA On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -18.9 °C **WIND DIRECTION:** W **WIND SPEED (knots):** 5

PRECIPITATION: Rain / Mist / Snow / Ice (none) **CLOUD COVER** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	45	43	45.5	39.0	6.5	(Y) N	Weighed, some plant material
	2	41	36	47.0	39.0	8.0	(Y) N	
	3	38	28	45.0	39.0	6.0	(Y) N	
	4	40	24	44.0	39.0	5.0	(Y) N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	~~1~~ 5	43	21	43.0	39.0	4.0	(Y) N	
	2						Y N	
	3						Y N	
	4						Y N	
	5						Y N	
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

Snow pack = crystalline, dry

Snow Sampling Field Sheet

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DUST IN AREA (Visible) / Not Visible

SNOW CONDITION: (Crystallized) / Packed / Wet / (Dry)

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 990 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	115.9	314.8	198.9	moss remained on filter after filtration
2	115.7	270.1	154.4	some organics remained after baking
3	114.8	245.1	130.3	
4				
Totals	346.4	830.0	483.6	

Water Quality Bottles

Total Volume of Melted Snow: 345 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type *	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	Y	N	☐	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	Y	☐	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	Y	☐	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☐	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	Y	N	☐	☐	☐	N/A	

***Sample Type**: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS5-1-5 **DATE (yyyy-mm-dd):** 2018-01-07 **TIME (24:00):** 11:11

SAMPLED BY: SG DR **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:** DUP2

GPS COORDINATES (UTM): 533443 **E** 7148934 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0 km & Direction NA On (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -19.1 °C **WIND DIRECTION:** SW **WIND SPEED (knots):** 5

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	45	31	46	39.0	7.0	(Y) N	Rewighed
	2	41	21	43	39.0	4.0	(Y) N	
	3	41	36	48	39.0	9.0	(Y) N	plant material
	4	41	40	48	39.0	9.0	(Y) N	plant material
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1						Y N	
	2						Y N	
	3						Y N	
	4						Y N	
	5						Y N	
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

Snow Sampling Field Sheet

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DUST IN AREA Visible / Not Visible

SNOW CONDITION: Crystallized / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1000 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.3	413.4	299.1	
2	114.8	253.6	138.8	
3	114.4	200.3	85.9	
4	115.3	120.6	5.3	
Totals	458.8	987.9	529.1	

Water Quality Bottles

Total Volume of Melted Snow : _____ (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type *	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	Y	N	☐	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	Y	☐	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	Y	☐	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☐	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	Y	N	☐	☐	☐	N/A	

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: 555-2 **DATE (yyyy-mm-dd):** 2019-04-07 **TIME (24:00):** 1130

SAMPLED BY: DR SS2 **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:** NA

GPS COORDINATES (UTM): 533141 **E** 7148899 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0 km & Direction NA On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -19.2 °C **WIND DIRECTION:** SW **WIND SPEED (knots):** 5

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	41	37	48	39.0	9.0	(Y) N	Reweighed
	2	39	35	48	39.0	9.0	(Y) N	
	3	40	36	48	39.0	9.0	(Y) N	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1						Y N	
	2						Y N	
	3						Y N	
	4						Y N	
	5						Y N	
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

snow = dry crystals

Snow Sampling Field Sheet

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DUST IN AREA (Visible) / Not Visible

SNOW CONDITION: (Crystallized) / Packed / Wet / (Dry)

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 890 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	115.3	238.1	122.8	
2	115.0	221.4	106.4	
3	115.2	330.9	215.7	
4	114.8	120.3	5.5	
Totals	460.3	910.7	452.4	

Water Quality Bottles

Total Volume of Melted Snow :_____(mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type *	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	Y	N	☐	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	Y	☐	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	Y	☐	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☐	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	Y	N	☐	☐	☐	N/A	

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SSS-3 **DATE (yyyy-mm-dd):** 2018-01-07 **TIME (24:00):** 1207

SAMPLED BY: SSD **TYPE OF SAMPLE:** (Dust) (Water Quality) **QA/QC:** NA

GPS COORDINATES (UTM): 533155 **E** 7148687 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0.18 km & Direction S On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -16.9 °C **WIND DIRECTION:** SW **WIND SPEED (knots):** 5

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	25	21	44	39	5.0	(Y) N	Reweigh
	2	25	22	45	39	6.0	(Y) N	
	3	25	23	45	39	6.0	(Y) N	
	4	25	23	44.5	39	5.5	(Y) N	
	5	25	24	45	39	6.0		
	Dust (Min. of 3 cores – Total Water Content SWE =/> 25)							
Water Quality Cores	1	~~25~~	~~24~~	~~45~~	~~39~~	~~6.0~~	(Y) N	Bag 1
	2	26	23	45	39.	6.0	(Y) N	Bag 1
	3	26	25	45	39.0	6.0	(Y) N	Bag 1
	4	26	24	45	39.0	6.0	(Y) N	Bag 1 Reweigh
	5	26	22	45	39.0	6.0	(Y) N	Bag 1
	6	25	24	45.5	39.0	6.5	(Y) N	Bag 1
	7	25	23	45.0	39.0	6.0	(Y) N	Bag 1
	8	25	23	45.0	39.0	6.0	(Y) N	Bag 1
	9	25	22	44.5	39.0	5.5	(Y) N	Bag 1
	10	25	23	45.0	39.0	6.0	(Y) N	Bag 1
	11	25	23	45.0	39.0	6.0	(Y) N	Bag 2
	12	25	22.5	45.0	39.0	6.0	(Y) N	Bag 2
	Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)							
	13	24	21.5	44.5	39.0	5.5	Y	Bag 2
	14	26	25	45.5	39.0	6.5	Y	Bag 2, reweigh
	15	26	24	45.0	39.0	6.0	Y	Bag 2
	16	27	25	46.0	39.0	7.0	Y	Bag 2
		27	25	45.5	39.0	6.5	Y	Bag 2

42.5

3
15
6
90

66
31
97

Snow Sampling Field Sheet

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DUST IN AREA Visible / Not Visible **SNOW CONDITION:** Crystallized / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ = **Wt. of Tube & Core** $_{SWE}$ – **Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 950 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	115.5	240.5	125.0	
2	115.5	828.8	713.3	
3	114.3	118.2	3.9	
4				
Totals	345.3	1186.5	842.2	

Water Quality Bottles

1410+1990

Total Volume of Melted Snow : 3400 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * GW	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	(1 mL - HCL)	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	(1mL - H_2SO_4)	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

*Sample Type: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Metals Dissolved (Y) ✓

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SSS-4 **DATE (yyyy-mm-dd):** 2018-04-07 **TIME (24:00):** 1254

SAMPLED BY: SSR DR **TYPE OF SAMPLE:** (Dust) (Water Quality) **QA/QC:** NA

GPS COORDINATES (UTM): 533138 **E** 7147947 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 0.89 km & Direction S On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -16.9 °C **WIND DIRECTION:** SW **WIND SPEED (knots):** 5

PRECIPITATION: Rain / Mist / Snow / Ice (none) **CLOUD COVER:** (0%) 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	25	25	45.5	39.0	6.5	Y (N)	
	2	26	26	46.0	39.0	7.0	Y (N)	Reweigh
	3	27	25.0	45.5	39.0	6.5	Y (N)	
	4	27	27.0	45.5	39.0	6.5	Y (N)	
	5	26	25	45.5	39.0	6.5	(N)	
	Dust (Min. of 3 cores – Total Water Content SWE =/> 25)							
Water Quality Cores	1	26	25	45.5	39.0	6.5	Y (N)	Bag 1
	2	27	26	45.5	39.0	6.5	Y (N)	Bag 1
	3	27	26	45.5	39.0	6.5	Y (N)	Bag 1
	4	27	26	45.5	39.0	6.5	Y (N)	Bag 1
	5	27	26	45.5	39.0	6.5	Y (N)	Bag 1
	6	27.5	27	45.5	39.0	6.5	Y (N)	Bag 1
	7	27	27	45.5	39.0	6.5	Y (N)	Bag 1
	8	27	25.5	45.0	39.0	6.0	Y (N)	Bag 1
	9	27	26.5	45.5	39.0	6.0	Y (N)	Bag 2
	10	27	26.0	46.0	39.0	7.0	Y (N)	Bag 2
	11	27	26	45.5	39.0	6.5	Y (N)	Bag 2
	12	27	26	45.5	39.0	6.5	Y (N)	Bag 2
	Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)							
	13	27	26	46.0	39.0	7.0	(N)	Bag 2
	14	27	27	46.0	39.0	7.0	N	Bag 2
	15	27	27	46.0	39.0	7.0	N	Bag 2
	16	27	27	45.5	39.0	7.0	N	Bag 2

Snow hard packed dry

1 66 28 94

1 66 35 101

Snow Sampling Field Sheet

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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: Crystallized / (Packed) / Wet / (Dry)

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1090 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	119.2	164.6	45.4	
2	120.5	219.1	98.6	
3				
4				
Totals	239.7	383.7	144.0	

Water Quality Bottles

1750 + 1785

Total Volume of Melted Snow : 3535 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Metals Dissolved (Y) ✓

Additional Comments
2 bags combined into one then filled bottles

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: 555-5 **DATE (yyyy-mm-dd):** 2018-04-07 **TIME (24:00):** 1420

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** (Dust) (Water Quality) **QA/QC:** NA

GPS COORDINATES (UTM): 533141 **E** 7146959 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik ~~1.79~~ 1.86 km & Direction S On: Land (Lake)

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14 °C **WIND DIRECTION:** W **WIND SPEED (knots):** 6

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	27	27	48.0	38.5	9.5	Y (N)	Reweigh
	2	28	27	47.5	38.5	9.0	Y (N)	
	3	27	27	47.0	38.5	8.5	Y (N)	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	29	28	50.0	38.5	11.5	Y (N)	Bag 1
	2	38	36	50.5	38.5	12.0	Y (N)	Bag 1
	3	36	35	51.0	38.5	12.5	Y (N)	Bag 1
	4	36	35	50.0	38.5	11.5	Y (N)	Bag 1
	5	35	34	50.0	38.5	11.5	Y (N)	Bag 2
	6	33	32	49.0	38.5	9.5	Y (N)	Bag 2
	7	36	35	51.0	38.5	12.5	Y (N)	Bag 2
	8	36.5	35.5	50.5	38.5	12.0	Y N	Bag 2
	9	36	35.5	50.5	38.5	12.0	Y N	Bag 2
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

105.0

4
38.
12.

1
59
34.5
93.5
12.0
15.5

Snow Sampling Field Sheet

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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 830 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	113.7	135.0	21.3	
2				
3				
4				
Totals	113.7	135.0	21.3	

1455 + 1815

Water Quality Bottles

Total Volume of Melted Snow : 3270 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * GW	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

Dissolved Metals (P) ✓

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SSC-1 **DATE (yyyy-mm-dd):** 2018-04-08 **TIME (24:00):** 0938

SAMPLED BY: SG2, DR **TYPE OF SAMPLE:** (Dust) Water (Quality) **QA/QC:** NA

GPS COORDINATES (UTM): 534941 **E** 7144103 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 4.78 km & Direction S On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -21 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 2

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	57	40	53.0	39.0	14	Y (N)	Weighed
	2	65	44	51.0	39.0	12	Y (N)	
	3	55	45	50.5	39.0	11.5	Y (N)	
	4						Y (N)	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	54	45	51.0	39.0	12	Y (N)	Bag 1
	2	61	45	50.5	39.0	11.5	Y (N)	Bag 1
	3	54	44	51.0	39.0	12.0	Y (N)	Bag 1
	4	53	41	50.0	39.0	11.0	Y (N)	Bag 1
	5	58	~~53~~52	52.0	39.0	13.0	Y (N)	plant material, Bag 1
	6	58	52	53.0	39.0	14.0	Y (N)	plant material, Bag 2
	7	53	42	50.5	39.0	11.5	Y (N)	Bag 2
	8	58	42	50.5	39.0	11.5	Y (N)	Bag 2
	9	53	43	50.5	39.0	11.5	Y (N)	Bag 2
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

11
46.5
38.5

85.0

Snow Sampling Field Sheet

Area: 8000
Effective Date: 26-MAR-2012
Task: Snow Sampling Field Sheet

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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: (Crystallized) / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ = **Wt. of Tube & Core** $_{SWE}$ – **Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1195 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	116.1	130.4	14.3	
2				
3				
4				
Totals	116.1	130.4	14.3	

1565 + ~~1895~~ 1910

Water Quality Bottles

Total Volume of Melted Snow: 3475 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	(N)	☑	☐	☐	N/A	rinsed 1
5	TSS/Turb/pH	1000 mL plastic	Y	N	☑	☐	☐	N/A	rinsed 1

Metals Dissolved (1)

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments
plant material in sample

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SSC2 **DATE (yyyy-mm-dd):** 2018/04/05 **TIME (24:00):** 1114

SAMPLED BY: DR, DB, SS2 **TYPE OF SAMPLE:** (Dust) Water Quality **QA/QC:** N/A

GPS COORDINATES (UTM): 0528714 **E** 7153307 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 1.71 km & Direction W On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -14.6 °C **WIND DIRECTION:** NE **WIND SPEED (knots):** 17

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** 0% / 10% / 25% / 50% / 75% / (100%)

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	60.0	55.0	55.5	38.5	17.0	Y (N)	Some debris removed, sticks remain
	2	69.0	56.0	60.0	38.5	21.5	Y (N)	debris in bottom
	3	75.0	72.0	61.0	38.5	22.5	Y (N)	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	70.0	47.5	54.0	39.0	15.0	Y (N)	Reweigh, Bag 1
	2	~~73.0~~ 53.0	45.0	53.0	39.0	14.0	Y (N)	Bag 1
	3	54.0	31.0	49.0	39.0	10.0	Y (N)	Bag 1
	4	48.0	42.0	53.0	39.0	14.0	Y (N)	Reweigh, Bag 1 too packed, bottom crystals
	5	53.0	46.0	53.0	39.0	14.0	Y (N)	Bag 2
	6	51.0	46.0	54.0	39.0	15.0	Y (N)	Bag 2
	7	54.0	40.0	51.0	39.0	12.0	Y (N)	Bag 2
	8	54.0	45.0	54	39.0	15.0	Y (N)	Bag 2
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

Snow Sampling Field Sheet

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By: D. Dul

Area: 8000
Effective Date: 26-MAR-2012
Task: Snow Sampling Field Sheet

DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: Crystallized / (Packed) / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1840 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	115.3	126.7	11.4	
2				
3				
4				
Totals	115.3	126.7	11.4	

Water Quality Bottles

1650 + 1745

Total Volume of Melted Snow: 3395 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse
5	TSS/Turb/pH	1000 mL plastic	Y	N	☑	☐	☐	N/A	1 rinse

*Sample Type: GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Dissolved Metals (Y)

Additional Comments

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SSC-3 **DATE (yyyy-mm-dd):** 2018-04-07 **TIME (24:00):** 1547

SAMPLED BY: SS2, DR **TYPE OF SAMPLE:** (Dust) (Water Quality) **QA/QC:** NA

GPS COORDINATES (UTM): 538636 **E** 7148753 **N (Zone)** 12 **NAD 83**

DESCRIPTION: Distance to Diavik 3.58 km & Direction SE On: (Land) Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: -13 °C **WIND DIRECTION:** W **WIND SPEED (knots):** 6

PRECIPITATION: Rain / Mist / Snow / Ice / (none) **CLOUD COVER:** (0%) / 10% / 25% / 50% / 75% / 100%

snow = crystals, dry soft layer of moss under snow

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1	40	35	46	38.5	7.5	Y (N)	plant material
	2	25	20	46	38.5	7.5	Y (N)	plant material, moss plug removed
	3	40	22	45	38.5	6.5	Y (N)	plant material
	4	40	35	47	38.5	8.5	Y (N)	plant material
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1	38	30	47.5	38.5	9.0	Y (N)	Reweighted Bag 1, plant material
	2	33	22	46.0	38.5	7.5	Y (N)	Bag 1
	3	38	24	45.5	38.5	7.0	Y (N)	Bag 1
	4	35	21	45.0	38.5	6.5	Y (N)	Bag 1
	5	35	24	46.0	38.5	7.5	Y (N)	Bag 1
	6	30	26	47.0	38.5	8.5	Y (N)	Bag 1, plant material in sample
	7	38	24	46.5	38.5	8.0	Y (N)	Bag 1, plant material removed, Same as above
	8	38	22	45.0	38.5	6.5	Y (N)	Bag 1
	9	38	22	46.0	38.5	7.5	Y (N)	Bag 2
	10	38	25	46.0	38.5	7.5	Y (N)	Bag 2
	11	38	26	45.0	38.5	6.5	Y (N)	Bag 2
	12	38	25	46.0	38.5	7.5	Y (N)	Bag 2
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								
	13	38	25	45.0	38.5	6.5	N	Bag 2

37.5
82.5
99.0
96.5

Snow Sampling Field Sheet			
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DUST IN AREA Visible / Not Visible

SNOW CONDITION: Crystallized / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 910 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.0	135.7	21.7	mass remained on filter after filtration
2	115.6	~~139.7~~ 135.5	19.9	"
3				
4				
Totals	229.6	271.2	41.6	

1100+1890

Water Quality Bottles

Total Volume of Melted Snow: 2990 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * (GW)	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Dissolved Metals (Y) ✓

Additional Comments
veg in bag 1 of WQ sampler
Metals, Hg, Nutrients in Bag 2 b/c less veg.
Routine, TSS/pH/Turb in Bag 1 more veg

Snow Sampling Field Sheet

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GENERAL

LOCATION NAME: SS EBW **DATE (yyyy-mm-dd):** 2018-04-14 **TIME (24:00):** 0900

SAMPLED BY: SS2, JG **TYPE OF SAMPLE:** (Dust) (Water Quality) **QA/QC:** ~~NA~~ Batch # 031618-0316

GPS COORDINATES (UTM): _____ **E** _____ **N (Zone)** _____ **NAD 83**

DESCRIPTION: Distance to Diavik _____ km & Direction _____ On: Land Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: _____ °C **WIND DIRECTION:** _____ **WIND SPEED (knots):**

PRECIPITATION: Rain / Mist / Snow / Ice / none **CLOUD COVER:** 0% / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1						Y N	
	2						Y N	
	3						Y N	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1						Y N	
	2						Y N	
	3						Y N	
	4						Y N	
	5						Y N	
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

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DUST IN AREA Visible / (Not Visible)

SNOW CONDITION: Crystallized / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 1035 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.4	114.4	0.0	
2				
3				
4				
Totals	114.4	114.4	0.0	

2745 + 3030

Water Quality Bottles

Total Volume of Melted Snow : 5775 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * EBW	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	Y	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	Y	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

Dissolved Metals (Y) V

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments
Filter + residue actually 114.1

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GENERAL

LOCATION NAME: SS Bay **DATE (yyyy-mm-dd):** 2018-04-16 **TIME (24:00):** 1624

SAMPLED BY: SS2 **TYPE OF SAMPLE:** Dust Water Quality **QA/QC:** Batch # 031618-0316

GPS COORDINATES (UTM): _____ **E** _____ **N (Zone)** _____ **NAD 83**

DESCRIPTION: Distance to Diavik _____ km & Direction _____ On: Land Lake

CLIMATE CONDITIONS (if sampling outside)

AIR TEMP: _____ °C **WIND DIRECTION:** _____ **WIND SPEED (knots):**

PRECIPITATION: Rain / Mist / Snow / Ice / none **CLOUD COVER:** 0% / 10% / 25% / 50% / 75% / 100%

	Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content-SWE (cm)	Dust Present Yes / No	Comments
Dust Cores	1						Y N	
	2						Y N	
	3						Y N	
	4						Y N	
Dust (Min. of 3 cores – Total Water Content SWE =/> 25)								
Water Quality Cores	1						Y N	
	2						Y N	
	3						Y N	
	4						Y N	
	5						Y N	
	6						Y N	
	7						Y N	
	8						Y N	
	9						Y N	
	10						Y N	
	11						Y N	
	12						Y N	
Water Quality (Min. of 3 cores – Total Water Content SWE =/> 100)								

Snow Sampling Field Sheet

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DUST IN AREA Visible / Not Visible

SNOW CONDITION: Crystallized / Packed / Wet / Dry

*** **Water Content** $_{SWE}$ **= Wt. of Tube & Core** $_{SWE}$ **– Wt. of Empty Tube** $_{SWE}$ ***

Dust Sample Filters

Total Volume of Melted Snow: 12 595 ~~1345~~ 1105 770 595 (mL)

Filter #	Weight of Filter (mg)	Filter + Residue (mg)	Residue Weight (mg)	Comments
1	114.5	114.5	0.0	
2				
3				
4				
Totals	114.5	114.5	0.0	

Water Quality Bottles

Total Volume of Melted Snow: 1670+1035 2705 (mL)

Filling Order	Analysis	Bottle Type	Triple Rinse	Preserve	Sample Type * GW	Sample Type *	Sample Type *	Preserved (circle when added)	Sample Comments DI Batch # for QAQC, Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube	(Y)	N	☑	☐	☐	NA	
2	Total Mercury	40 mL clear glass	Y	(Y)	☑	☐	☐	1 mL - HCL	
3	Nutrients	120 mL plastic	Y	(Y)	☑	☐	☐	1mL - H_2SO_4	
4	Routine	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	
5	TSS/Turb/pH	1000 mL plastic	(Y)	N	☑	☐	☐	N/A	

Dissolved Metals (F) ✓

***Sample Type:** GW, DUPW1/DUPW2, FBW, TBW, EBW, REP1/ REP2, Filter Blank

Additional Comments

APPENDIX D SNOW WATER CHEMISTRY ANALYTICAL RESULTS

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Acidity (pH 4.5)	mg/L	CONTROL 1	8-Apr-18	<1.0	0.5	0.5	TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<1.0	0.5	0.5	TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<1.0	0.5	0.5	TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<1.0	0.5	0.5	TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<1.0	0.5	0.5	TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	<1.0	0.5	0.5	TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<1.0	0.5	0.5	TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<1.0	0.5	0.5	TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<1.0	0.5	0.5	TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	<1.0	0.5	0.5	TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<1.0	0.5	0.5	TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<1.0	0.5	0.5	TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<1.0	0.5	0.5	TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<1.0	0.5	0.5	TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	<1.0	0.5	0.5	TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<1.0	0.5	0.5	TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<1.0	0.5	0.5	TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	<1.0	0.5	0.5	TH8629	GW	
	mg/L	SS3-8	8-Apr-18	<1.0	0.5	0.5	TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<1.0	0.5	0.5	TI9634	GW	
	mg/L	SS4-5	5-Apr-18	<1.0	0.5	0.5	TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	<1.0	0.5	0.5	TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	<1.0	0.5	0.5	TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<1.0	0.5	0.5	TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<1.0	0.5	0.5	TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<1.0	0.5	0.5	TI9637	EBW	
Acidity (pH 8.3)	mg/L	CONTROL 1	8-Apr-18	1.1	1.1	0.5	TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<1.0	0.5	0.5	TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<1.0	0.5	0.5	TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<1.0	0.5	0.5	TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<1.0	0.5	0.5	TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	<1.0	0.5	0.5	TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<1.0	0.5	0.5	TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<1.0	0.5	0.5	TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	<1.0	0.5	0.5	TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	<1.0	0.5	0.5	TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<1.0	0.5	0.5	TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<1.0	0.5	0.5	TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<1.0	0.5	0.5	TI4757	DUPW2	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Acidity (pH 8.3)	mg/L	SS3-4	8-Apr-18	<1.0	0.5	0.5	TI4756	DUPW1	
(cont'd)	mg/L	SS3-5	8-Apr-18	<1.0	0.5	0.5	TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<1.0	0.5	0.5	TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<1.0	0.5	0.5	TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	<1.0	0.5	0.5	TH8629	GW	
	mg/L	SS3-8	8-Apr-18	<1.0	0.5	0.5	TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<1.0	0.5	0.5	TI9634	GW	
	mg/L	SS4-5	5-Apr-18	<1.0	0.5	0.5	TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<1.0	0.5	0.5	TH8631	DUPW1	
	mg/L	SS5-3	7-Apr-18	<1.0	0.5	0.5	TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<1.0	0.5	0.5	TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<1.0	0.5	0.5	TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<1.0	0.5	0.5	TI9637	EBW	
Alkalinity (PP as $CaCO_3$)	mg/L	CONTROL 1	8-Apr-18	<0.50	0.25	0.5	TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.50	0.25	0.5	TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.50	0.25	0.5	TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25	0.5	TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25	0.5	TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.50	0.25	0.5	TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.50	0.25	0.5	TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25	0.5	TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25	0.5	TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	<0.50	0.25	0.5	TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.50	0.25	0.5	TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.50	0.25	0.5	TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25	0.5	TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25	0.5	TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	<0.50	0.25	0.5	TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.50	0.25	0.5	TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.50	0.25	0.5	TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	<0.50	0.25	0.5	TH8629	GW	
	mg/L	SS3-8	8-Apr-18	<0.50	0.25	0.5	TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.50	0.25	0.5	TI9634	GW	
	mg/L	SS4-5	5-Apr-18	<0.50	0.25	0.5	TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	<0.50	0.25	0.5	TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	<0.50	0.25	0.5	TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<0.50	0.25	0.5	TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.50	0.25	0.5	TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.25	0.5	TI9637	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Alkalinity (Total as $CaCO_3$) - Total	mg/L	CONTROL 1	8-Apr-18	0.63	0.63	0.5	TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	1.82	1.82	0.5	TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	3	3	0.5	TH8636	GW	
	mg/L	SS BAG	16-Apr-18	0.74	0.74	0.5	TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	0.74	0.74	0.5	TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.50	0.25	0.5	TI9627	GW	
	mg/L	SS1-5	6-Apr-18	1.12	1.12	0.5	TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25	0.5	TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25	0.5	TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	0.86	0.86	0.5	TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.66	0.66	0.5	TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.50	0.25	0.5	TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25	0.5	TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25	0.5	TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	1.19	1.19	0.5	TI4758	GW	
	mg/L	SS3-6	8-Apr-18	5.08	5.08	0.5	TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.50	0.25	0.5	TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	3.83	3.83	0.5	TH8629	GW	
	mg/L	SS3-8	8-Apr-18	10.9	10.9	0.5	TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.73	0.73	0.5	TI9634	GW	
	mg/L	SS4-5	5-Apr-18	1.2	1.2	0.5	TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	1.29	1.29	0.5	TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	4	4	0.5	TH8633	GW	
	mg/L	SS5-4	7-Apr-18	2.15	2.15	0.5	TH8634	GW	
	mg/L	SS5-5	7-Apr-18	1.33	1.33	0.5	TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.25	0.5	TI9637	EBW	
Aluminum (Al) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0.01	0.00788		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	7.88	7.88		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.00199		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	1.99	1.99		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.0039		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	3.9	3.9		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	0	0.00031		TI9638	EBW	Automatically converted from value: 0.31 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0	0.00031		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	0.31	0.31		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	0.31	0.31		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0	0.00089		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.89	0.89		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0	0.00463		TI9628	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Aluminum (Al) - Dissolved	ug/L	SS1-5	6-Apr-18	4.63	4.63		TI9628	GW	
(cont'd)	ug/L	SS2-1	4-Apr-18	2.03	2.03		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	0	0.00088		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.00203		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.88	0.88		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	0	0.00313		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	3.13	3.13		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0	0.0012		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	1.2	1.2		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0	0.00068		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	0.68	0.68		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.01	0.00562		TI4756	DUPW1	Automatically converted from value: 5.62 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.00347		TI4757	DUPW2	Automatically converted from value: 3.47 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	5.62	5.62		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	3.47	3.47		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0	0.00199		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	1.99	1.99		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.07	0.0663		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	66.3	66.3		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.0001		TI9637	EBW	Automatically converted from value: <0.20 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.20	0.1		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	24.8	24.8		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0.02	0.0248		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0.22	0.215		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	215	215		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0	0.00392		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	3.92	3.92		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	2.29	2.29		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0	0.00149		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.00229		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	1.49	1.49		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0.01	0.0149		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	14.9	14.9		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.01	0.00551		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	5.51	5.51		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0	0.00073		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.73	0.73		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.20	0.1		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.0001		TI9637	EBW	Automatically converted from value: <0.20 ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Aluminum (Al) - Total	mg/L	CONTROL 1	8-Apr-18	0.15	0.151		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	151	151		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.06	0.0642		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	64.2	64.2		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.3	0.296		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	296	296		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	0	0.0003		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0	0.0003		TI9638	EBW	Automatically converted from value: 0.30 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	0.3	0.3		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	0.3	0.3		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	0.32	0.323		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	323	323		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.42	0.423		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	423	423		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	136	136		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	69	69		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.14	0.136		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0.07	0.069		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-2	4-Apr-18	0.18	0.181		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	181	181		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.03	0.0286		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	28.6	28.6		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	11.1	11.1		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	0.01	0.0111		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	178	178		TI4757	DUPW2	
	ug/L	SS3-4	8-Apr-18	78.7	78.7		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.18	0.178		TI4757	DUPW2	Automatically converted from value: 178 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0.08	0.0787		TI4756	DUPW1	Automatically converted from value: 78.7 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	103	103		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0.1	0.103		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	858	858		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0.86	0.858		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	0	0.00042		TI9637	EBW	Automatically converted from value: 0.42 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	0.42	0.42		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	473	473		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0.47	0.473		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	2080	2080		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	2.08	2.08		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	96.6	96.6		TI9634	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Aluminum (Al) - Total	mg/L	SS4-4	5-Apr-18	0.1	0.0966		TI9634	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS4-5	5-Apr-18	286	286		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	301	301		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.29	0.286		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0.3	0.301		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-3	7-Apr-18	0.55	0.554		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	554	554		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.54	0.537		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	537	537		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.08	0.0821		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	82.1	82.1		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	0.42	0.42		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	0	0.00042		TI9637	EBW	Automatically converted from value: 0.42 ug/L to mg/L.
Ammonia (N)	mg/L	CONTROL 1	8-Apr-18	0.046	0.046		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.037	0.037		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.09	0.09		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	0.005	0.005		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	0.005	0.005		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0.094	0.094		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.08	0.08		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.081	0.081		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.088	0.088		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	0.13	0.13		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.034	0.034		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0.037	0.037		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.026	0.026		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.045	0.045		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.073	0.073		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.069	0.069		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	0.017	0.017		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.055	0.055		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0.12	0.12		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.072	0.072		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.075	0.075		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.082	0.082		TH8631	DUPW1	
	mg/L	SS5-3	7-Apr-18	0.082	0.082		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.05	0.05		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.042	0.042		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	0.017	0.017		TI9637	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Antimony (Sb) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.00001		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.020	0.01		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.00001		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.020	0.01		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.00001		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.020	0.01		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.00001		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.020	0.01		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.00	0.00001		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.020	0.01		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.020	0.01		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	<0.00	0.00001		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.00001		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.020	0.01		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	<0.00	0.00001		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	<0.020	0.01		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.00001		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.020	0.01		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.00001		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.020	0.01		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.020	0.01		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.00001		TI4757	DUPW2	Automatically converted from value: <0.020 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.00001		TI4756	DUPW1	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.020	0.01		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	<0.00	0.00001		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.020	0.01		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.00001		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.020	0.01		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.020	0.01		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	<0.020	0.01		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.00001		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0	0.000021		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.021	0.021		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.00001		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.020	0.01		TI9634	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Antimony (Sb) - Dissolved	ug/L	SS4-5	5-Apr-18	<0.020	0.01		TH8631	DUPW1	
(cont'd)	mg/L	SS4-5	5-Apr-18	<0.00	0.00001		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.00001		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.020	0.01		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0	0.000021		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.021	0.021		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.00001		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.020	0.01		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.00001		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.020	0.01		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.020	0.01		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
Antimony (Sb) - Total	mg/L	CONTROL 1	8-Apr-18	<0.00	0.00001		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.020	0.01		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.00001		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.020	0.01		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.00001		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.020	0.01		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.00001		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.020	0.01		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.00	0.00001		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.020	0.01		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.020	0.01		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	<0.020	0.01		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.00001		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.00001		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-2	4-Apr-18	<0.00	0.00001		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	<0.020	0.01		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.00001		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.020	0.01		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.020	0.01		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.00001		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.020	0.01		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.00	0.00001		TI4756	DUPW1	Automatically converted from value: <0.020 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.00001		TI4757	DUPW2	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.020	0.01		TI4757	DUPW2	

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Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Antimony (Sb) - Total	ug/L	SS3-5	8-Apr-18	<0.020	0.01		TI4758	GW	
(cont'd)	mg/L	SS3-5	8-Apr-18	<0.00	0.00001		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.020	0.01		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.00001		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.020	0.01		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	<0.020	0.01		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.00001		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.034	0.034		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0	0.000034		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.020	0.01		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.00001		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.020	0.01		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.020	0.01		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.00001		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.00001		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-3	7-Apr-18	0	0.000023		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.023	0.023		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.00001		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.020	0.01		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.00001		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.020	0.01		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.020	0.01		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
Arsenic (As) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0	0.000021		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	0.021	0.021		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.000029		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.029	0.029		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.000057		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	0.057	0.057		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.00001		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.020	0.01		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0	0.000062		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.062	0.062		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	0.031	0.031		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	0	0.000031		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Arsenic (As) - Dissolved	mg/L	SS2-1	4-Apr-18	0	0.000024		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS2-1	4-Apr-18	0.024	0.024		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	0	0.000047		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	0.047	0.047		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.00001		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.020	0.01		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.00001		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.020	0.01		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.020	0.01		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.00001		TI4757	DUPW2	Automatically converted from value: <0.020 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.00001		TI4756	DUPW1	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.020	0.01		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	0	0.000025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	0.025	0.025		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0	0.000083		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.083	0.083		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.020	0.01		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	0.052	0.052		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.000052		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0	0.00015		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.15	0.15		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0	0.000032		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.032	0.032		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	0.068	0.068		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0	0.000068		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.000057		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.057	0.057		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0	0.000085		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.085	0.085		TH8633	GW	
	ug/L	SS5-4	7-Apr-18	0.068	0.068		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0	0.000068		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	7-Apr-18	0	0.000028		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.028	0.028		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.020	0.01		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
Arsenic (As) - Total	mg/L	CONTROL 1	8-Apr-18	0	0.000032		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	0.032	0.032		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.000052		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.052	0.052		TI9636	GW	

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Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Arsenic (As) - Total	mg/L	CONTROL 3	7-Apr-18	0	0.00008		TH8636	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	CONTROL 3	7-Apr-18	0.08	0.08		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0	0.000052		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.052	0.052		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0	0.000133		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.133	0.133		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	0.104	0.104		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	0.06	0.06		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.00006		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.000104		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-2	4-Apr-18	0	0.000123		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	0.123	0.123		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0	0.000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.025	0.025		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.020	0.01		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.00001		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.020	0.01		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.00	0.00001		TI4756	DUPW1	Automatically converted from value: <0.020 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.000027		TI4757	DUPW2	Automatically converted from value: 0.027 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.027	0.027		TI4757	DUPW2	
	ug/L	SS3-5	8-Apr-18	0.026	0.026		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0	0.000026		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.178	0.178		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.000178		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.020	0.01		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	0.087	0.087		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.000087		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.323	0.323		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0	0.000323		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.048	0.048		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0	0.000048		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.076	0.076		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	0.066	0.066		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.000066		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.000076		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Arsenic (As) - Total	ug/L	SS5-3	7-Apr-18	0.149	0.149		TH8633	GW	
(cont'd)	mg/L	SS5-3	7-Apr-18	0	0.000149		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0	0.000149		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	0.149	0.149		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0	0.000022		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.022	0.022		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.020	0.01		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
Barium (Ba) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0	0.00232		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	2.32	2.32		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.0027		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	2.7	2.7		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.01	0.00688		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	6.88	6.88		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0	0.00216		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	2.16	2.16		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0	0.00446		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	4.46	4.46		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	2.59	2.59		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	0	0.00259		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.00273		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	2.73	2.73		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	0	0.00278		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	2.78	2.78		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0	0.00104		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	1.04	1.04		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0	0.00049		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	0.49	0.49		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	2.34	2.34		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0	0.00234		TI4757	DUPW2	Automatically converted from value: 2.34 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.00249		TI4756	DUPW1	Automatically converted from value: 2.49 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	2.49	2.49		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	0	0.0043		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	4.3	4.3		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.01	0.00727		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	7.27	7.27		TH8628	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Barium (Ba) - Dissolved	mg/L	SS3-6	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
(cont'd)	ug/L	SS3-6	14-Apr-18	<0.020	0.01		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	3.24	3.24		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.00324		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0.01	0.00929		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	9.29	9.29		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0	0.00253		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	2.53	2.53		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	3.38	3.38		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0	0.00338		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.00322		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	3.22	3.22		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0	0.00169		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	1.69	1.69		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0	0.00212		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	2.12	2.12		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0	0.00277		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	2.77	2.77		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.020	0.01		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
Barium (Ba) - Total	mg/L	CONTROL 1	8-Apr-18	0	0.00462		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	4.62	4.62		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.00397		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	3.97	3.97		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.01	0.0133		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	13.3	13.3		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	0.01	0.00554		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	5.54	5.54		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.01	0.0149		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	14.9	14.9		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	4.78	4.78		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	4.02	4.02		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.00402		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.00478		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-2	4-Apr-18	0.01	0.00659		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	6.59	6.59		TI9631	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Barium (Ba) - Total	mg/L	SS2-3	6-Apr-18	0	0.00139		TI9632	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS2-3	6-Apr-18	1.39	1.39		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	0.782	0.782		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	0	0.000782		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	3.5	3.5		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.0035		TI4756	DUPW1	Automatically converted from value: 3.50 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.00403		TI4757	DUPW2	Automatically converted from value: 4.03 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	4.03	4.03		TI4757	DUPW2	
	ug/L	SS3-5	8-Apr-18	7.18	7.18		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0.01	0.00718		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	18.3	18.3		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0.02	0.0183		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	0	0.000022		TI9637	EBW	Automatically converted from value: 0.022 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	0.022	0.022		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	7.41	7.41		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0.01	0.00741		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	42.8	42.8		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0.04	0.0428		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	5.27	5.27		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0.01	0.00527		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	7.68	7.68		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	7.38	7.38		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.01	0.00738		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0.01	0.00768		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-3	7-Apr-18	0.01	0.00807		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	8.07	8.07		TH8633	GW	
	ug/L	SS5-4	7-Apr-18	10.4	10.4		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0.01	0.0104		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	7-Apr-18	0	0.00394		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	3.94	3.94		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	0.022	0.022		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	0	0.000022		TI9637	EBW	Automatically converted from value: 0.022 ug/L to mg/L.
Beryllium (Be) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.000005		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.010	0.005		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.000005		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.010	0.005		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.000005		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.010	0.005		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000005		TI9638	EBW	Automatically converted from value: <0.010 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	GW	

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Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Beryllium (Be) - Dissolved	ug/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	EBW	
(cont'd)	mg/L	SS BAG	16-Apr-18	<0.00	0.000005		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-4	6-Apr-18	<0.00	0.000005		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.010	0.005		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.00	0.000005		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.010	0.005		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.010	0.005		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	<0.00	0.000005		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.000005		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.010	0.005		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	<0.00	0.000005		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	<0.010	0.005		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.000005		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.010	0.005		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.000005		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.010	0.005		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.010	0.005		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000005		TI4757	DUPW2	Automatically converted from value: <0.010 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.000005		TI4756	DUPW1	Automatically converted from value: <0.010 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.010	0.005		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	<0.00	0.000005		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.010	0.005		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.000005		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.010	0.005		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000005		TI9637	EBW	Automatically converted from value: <0.010 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.010	0.005		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	<0.010	0.005		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.000005		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.00	0.000005		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.010	0.005		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.000005		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.010	0.005		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	<0.010	0.005		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	<0.00	0.000005		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.000005		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.010	0.005		TH8632	DUPW2	
	ug/L	SS5-3	7-Apr-18	<0.010	0.005		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00	0.000005		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	<0.00	0.000005		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.010	0.005		TH8634	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Beryllium (Be) - Dissolved *(cont'd)*	mg/L	SS5-5	7-Apr-18	<0.00	0.000005		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.010	0.005		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.010	0.005		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000005		TI9637	EBW	Automatically converted from value: <0.010 ug/L to mg/L.
Beryllium (Be) - Total	mg/L	CONTROL 1	8-Apr-18	<0.00	0.000005		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.010	0.005		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.000005		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.010	0.005		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.000005		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.010	0.005		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000005		TI9638	EBW	Automatically converted from value: <0.010 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000005		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.000005		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.010	0.005		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.00	0.000005		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.010	0.005		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.010	0.005		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	<0.010	0.005		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.000005		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.000005		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-2	4-Apr-18	<0.00	0.000005		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	<0.010	0.005		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.000005		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.010	0.005		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.010	0.005		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.000005		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.010	0.005		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000005		TI4756	DUPW1	Automatically converted from value: <0.010 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.000005		TI4757	DUPW2	Automatically converted from value: <0.010 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.010	0.005		TI4757	DUPW2	
	ug/L	SS3-5	8-Apr-18	<0.010	0.005		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	<0.00	0.000005		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.023	0.023		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.000023		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	<0.00	0.000005		TI9637	EBW	Automatically converted from value: <0.010 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.010	0.005		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	0.02	0.02		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.00002		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.06	0.06		TH8630	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Beryllium (Be) - Total	mg/L	SS3-8	8-Apr-18	0	0.00006		TH8630	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS4-4	5-Apr-18	<0.010	0.005		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.000005		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.011	0.011		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	0.013	0.013		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.000013		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.000011		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-3	7-Apr-18	0	0.000015		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.015	0.015		TH8633	GW	
	ug/L	SS5-4	7-Apr-18	0.023	0.023		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0	0.000023		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.010	0.005		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.000005		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.010	0.005		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000005		TI9637	EBW	Automatically converted from value: <0.010 ug/L to mg/L.
Bicarbonate (HCO_3)	mg/L	CONTROL 1	8-Apr-18	0.77	0.77		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	2.22	2.22		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	3.66	3.66		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	0.9	0.9		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	0.9	0.9		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.50	0.25		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	1.37	1.37		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	1.05	1.05		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.81	0.81		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.50	0.25		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	1.45	1.45		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	6.2	6.2		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	4.67	4.67		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	13.3	13.3		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.89	0.89		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	1.46	1.46		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	1.57	1.57		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	4.88	4.88		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	2.62	2.62		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	1.62	1.62		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Bismuth (Bi) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.0000025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.0050	0.0025		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.0000025		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.0050	0.0025		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.0000025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.0050	0.0025		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.0000025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.0050	0.0025		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.00	0.0000025		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.0050	0.0025		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.0050	0.0025		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	<0.00	0.0000025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.0000025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.0050	0.0025		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	<0.00	0.0000025		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	<0.0050	0.0025		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.0000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.0050	0.0025		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.0000025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.0050	0.0025		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.00	0.0000025		TI4756	DUPW1	Automatically converted from value: <0.0050 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.0000025		TI4757	DUPW2	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.0050	0.0025		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.0050	0.0025		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	<0.00	0.0000025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.0050	0.0025		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.0000025		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.0050	0.0025		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	<0.0050	0.0025		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.0000025		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.00	0.0000025		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.0050	0.0025		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.0000025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.0050	0.0025		TI9634	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Bismuth (Bi) - Dissolved	ug/L	SS4-5	5-Apr-18	<0.0050	0.0025		TH8631	DUPW1	
(cont'd)	mg/L	SS4-5	5-Apr-18	<0.00	0.0000025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.0000025		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.0050	0.0025		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	<0.00	0.0000025		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.0050	0.0025		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.0000025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.0050	0.0025		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.0000025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.0050	0.0025		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
Bismuth (Bi) - Total	mg/L	CONTROL 1	8-Apr-18	<0.00	0.000005		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.010	0.005		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.000005		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.010	0.005		TI9636	GW	
	ug/L	CONTROL 3	7-Apr-18	0.016	0.016		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.000016		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.000005		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.010	0.005		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0	0.000017		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.017	0.017		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.010	0.005		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	<0.010	0.005		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.000005		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.000005		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-2	4-Apr-18	0	0.000053		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	0.053	0.053		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.000005		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.010	0.005		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.010	0.005		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.000005		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.012	0.012		TI4757	DUPW2	
	ug/L	SS3-4	8-Apr-18	<0.010	0.005		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.000012		TI4757	DUPW2	Automatically converted from value: 0.012 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.000005		TI4756	DUPW1	Automatically converted from value: <0.010 ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Bismuth (Bi) - Total	ug/L	SS3-5	8-Apr-18	0.021	0.021		TI4758	GW	
(cont'd)	mg/L	SS3-5	8-Apr-18	0	0.000021		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.04	0.04		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.00004		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	0.022	0.022		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.000022		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.089	0.089		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0	0.000089		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.010	0.005		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.000005		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.010	0.005		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.010	0.005		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.000005		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.000005		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.078	0.078		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.000078		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0	0.000068		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	0.068	0.068		TH8634	GW	
	ug/L	SS5-5	7-Apr-18	<0.010	0.005		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.000005		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
Boron (B) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.01	0.0025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<5.0	2.5		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.01	0.0025		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<5.0	2.5		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.01	0.0025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<5.0	2.5		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.01	0.0025		TI9638	EBW	Automatically converted from value: <5.0 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.01	0.0025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<5.0	2.5		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<5.0	2.5		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.01	0.0025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<5.0	2.5		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.01	0.0025		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<5.0	2.5		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<5.0	2.5		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	<0.01	0.0025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Boron (B) - Dissolved	mg/L	SS2-1	4-Apr-18	<0.01	0.0025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS2-1	4-Apr-18	<5.0	2.5		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	<0.01	0.0025		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	<5.0	2.5		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.01	0.0025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<5.0	2.5		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.01	0.0025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<5.0	2.5		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.01	0.0025		TI4756	DUPW1	Automatically converted from value: <5.0 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.01	0.0025		TI4757	DUPW2	Automatically converted from value: <5.0 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<5.0	2.5		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<5.0	2.5		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	<0.01	0.0025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<5.0	2.5		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.01	0.0025		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<5.0	2.5		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.01	0.0025		TI9637	EBW	Automatically converted from value: <5.0 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<5.0	2.5		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	<5.0	2.5		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.01	0.0025		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.01	0.0025		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<5.0	2.5		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.01	0.0025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<5.0	2.5		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	<5.0	2.5		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	<0.01	0.0025		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.01	0.0025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<5.0	2.5		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	<0.01	0.0025		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<5.0	2.5		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<0.01	0.0025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<5.0	2.5		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.01	0.0025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<5.0	2.5		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<5.0	2.5		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.01	0.0025		TI9637	EBW	Automatically converted from value: <5.0 ug/L to mg/L.
Boron (B) - Total	mg/L	CONTROL 1	8-Apr-18	<0.01	0.005		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<10	5		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.01	0.005		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<10	5		TI9636	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Boron (B) - Total	ug/L	CONTROL 3	7-Apr-18	<10	5		TH8636	GW	
(cont'd)	mg/L	CONTROL 3	7-Apr-18	<0.01	0.005		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.01	0.0025		TI9638	EBW	Automatically converted from value: <5.0 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.01	0.0025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<5.0	2.5		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<5.0	2.5		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.01	0.005		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<10	5		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.01	0.005		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<10	5		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<10	5		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	<10	5		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.01	0.005		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.01	0.005		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-2	4-Apr-18	<0.01	0.005		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	<10	5		TI9631	GW	
	ug/L	SS2-3	6-Apr-18	<10	5		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	<0.01	0.005		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<10	5		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.01	0.005		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<10	5		TI4757	DUPW2	
	ug/L	SS3-4	8-Apr-18	<10	5		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.01	0.005		TI4757	DUPW2	Automatically converted from value: <10 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.01	0.005		TI4756	DUPW1	Automatically converted from value: <10 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<10	5		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	<0.01	0.005		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<10	5		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	<0.01	0.005		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	<0.01	0.0025		TI9637	EBW	Automatically converted from value: <5.0 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<5.0	2.5		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	<10	5		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.01	0.005		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<10	5		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	<0.01	0.005		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<10	5		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.01	0.005		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<10	5		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<10	5		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.01	0.005		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.01	0.005		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Boron (B) - Total	ug/L	SS5-3	7-Apr-18	<10	5		TH8633	GW	
(cont'd)	mg/L	SS5-3	7-Apr-18	<0.01	0.005		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<10	5		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	<0.01	0.005		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<10	5		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.01	0.005		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<5.0	2.5		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.01	0.0025		TI9637	EBW	Automatically converted from value: <5.0 ug/L to mg/L.
Cadmium (Cd) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.0000025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.0050	0.0025		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.0000025		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.0050	0.0025		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.0000025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.0050	0.0025		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.0000025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.0050	0.0025		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.00	0.0000025		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.0050	0.0025		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.0050	0.0025		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	<0.00	0.0000025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.0000025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.0050	0.0025		TI9629	DUPW1	
	ug/L	SS2-2	4-Apr-18	<0.0050	0.0025		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.0000025		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.00	0.0000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.0050	0.0025		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.0000025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.0050	0.0025		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.00	0.0000025		TI4756	DUPW1	Automatically converted from value: <0.0050 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.0000025		TI4757	DUPW2	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.0050	0.0025		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.0050	0.0025		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	<0.00	0.0000025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.0050	0.0025		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.0000025		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.0050	0.0025		TH8628	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Cadmium (Cd) - Dissolved	mg/L	SS3-6	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
(cont'd)	ug/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	<0.0050	0.0025		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.0000025		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.00	0.0000025		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.0050	0.0025		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.0000025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.0050	0.0025		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	<0.0050	0.0025		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	<0.00	0.0000025		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.0000025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.0050	0.0025		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	<0.00	0.0000025		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.0050	0.0025		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.0000025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.0050	0.0025		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.0000025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.0050	0.0025		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
Cadmium (Cd) - Total	mg/L	CONTROL 1	8-Apr-18	<0.00	0.0000025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.0050	0.0025		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.0000025		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.0050	0.0025		TI9636	GW	
	ug/L	CONTROL 3	7-Apr-18	<0.0050	0.0025		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.0000025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0	0.000007		TI9638	EBW	Automatically converted from value: 0.0070 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0	0.000007		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	0.007	0.007		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	0.007	0.007		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.0000025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.0050	0.0025		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0	0.0000061		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.0061	0.0061		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.0050	0.0025		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	<0.0050	0.0025		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.0000025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.0000025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-2	4-Apr-18	0	0.0000057		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	0.0057	0.0057		TI9631	GW	

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Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Cadmium (Cd) - Total	ug/L	SS2-3	6-Apr-18	<0.0050	0.0025		TI9632	GW	
(cont'd)	mg/L	SS2-3	6-Apr-18	<0.00	0.0000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.0050	0.0025		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.0000025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.0050	0.0025		TI4757	DUPW2	
	ug/L	SS3-4	8-Apr-18	<0.0050	0.0025		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.00	0.0000025		TI4757	DUPW2	Automatically converted from value: <0.0050 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.0000025		TI4756	DUPW1	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.0050	0.0025		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	<0.00	0.0000025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.0101	0.0101		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.0000101		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	0.0056	0.0056		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.0000056		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0	0.0000208		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.0208	0.0208		TH8630	GW	
	ug/L	SS4-4	5-Apr-18	<0.0050	0.0025		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.0000025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.0050	0.0025		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.0050	0.0025		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.0000025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.0000025		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.0067	0.0067		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.0000067		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.0050	0.0025		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.0000025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.0050	0.0025		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.0000025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
Calcium (Ca) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0.25	0.25		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.37	0.37		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	1.02	1.02		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	0.019	0.019		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	0.019	0.019		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0.208	0.208		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.296	0.296		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.244	0.244		TI9629	DUPW1	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Calcium (Ca) - Dissolved	mg/L	SS2-1	4-Apr-18	0.237	0.237		TI9630	DUPW2	
(cont'd)	mg/L	SS2-2	4-Apr-18	0.273	0.273		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.137	0.137		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0.091	0.091		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.905	0.905		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.849	0.849		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.801	0.801		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	2.08	2.08		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	0.013	0.013		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	1.5	1.5		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	4.5	4.5		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.423	0.423		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.402	0.402		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.342	0.342		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	1.35	1.35		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.468	0.468		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.211	0.211		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	0.013	0.013		TI9637	EBW	
	mg/L	CONTROL 1	8-Apr-18	0.303	0.303		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.401	0.401		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	1.21	1.21		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	0.015	0.015		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	0.015	0.015		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0.258	0.258		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.399	0.399		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.257	0.257		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.276	0.276		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	0.336	0.336		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.141	0.141		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0.091	0.091		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.919	0.919		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.854	0.854		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.884	0.884		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	2.45	2.45		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.010	0.005		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	1.65	1.65		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	5.89	5.89		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.477	0.477		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.493	0.493		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.423	0.423		TH8632	DUPW2	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Calcium (Ca) - Dissolved	mg/L	SS5-3	7-Apr-18	1.66	1.66		TH8633	GW	
(cont'd)	mg/L	SS5-4	7-Apr-18	0.707	0.707		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.244	0.244		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.010	0.005		TI9637	EBW	
Carbonate (CO_3)	mg/L	CONTROL 1	8-Apr-18	<0.50	0.25		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.50	0.25		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.50	0.25		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.50	0.25		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.50	0.25		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	<0.50	0.25		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.50	0.25		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.50	0.25		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	<0.50	0.25		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.50	0.25		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	<0.50	0.25		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	<0.50	0.25		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.50	0.25		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	<0.50	0.25		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.50	0.25		TH8631	DUPW1	
	mg/L	SS5-3	7-Apr-18	<0.50	0.25		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<0.50	0.25		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.50	0.25		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	
Chloride (Cl) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.50	0.5		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.63	0.63		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.57	0.57		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.5		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.5		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	<0.50	0.5		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.50	0.5		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<0.50	0.5		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.50	0.5		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	<0.50	0.5		TI9631	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Chloride (Cl) - Dissolved	mg/L	SS2-3	6-Apr-18	<0.50	0.5		TI9632	GW	
(cont'd)	mg/L	SS2-4	6-Apr-18	<0.50	0.5		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.7	0.7		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.8	0.8		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.71	0.71		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.50	0.5		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.50	0.5		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	<0.50	0.5		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0.72	0.72		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.50	0.5		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.68	0.68		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.55	0.55		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0.75	0.75		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.58	0.58		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.50	0.5		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.5		TI9637	EBW	
Chromium (Cr) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0	0.000065		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	0.065	0.065		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.000025		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.050	0.025		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.000025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.050	0.025		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	ug/L	SS1-4	6-Apr-18	<0.050	0.025		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.000025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	<0.00	0.000025		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.050	0.025		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	0.09	0.09		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	0.054	0.054		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.00009		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.000054		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	<0.050	0.025		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.000025		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.00	0.000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.050	0.025		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.000025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.050	0.025		TI9633	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Chromium (Cr) - Dissolved	ug/L	SS3-4	8-Apr-18	0.058	0.058		TI4757	DUPW2	
(cont'd)	ug/L	SS3-4	8-Apr-18	0.076	0.076		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.000076		TI4756	DUPW1	Automatically converted from value: 0.076 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.000058		TI4757	DUPW2	Automatically converted from value: 0.058 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	0	0.000062		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	0.062	0.062		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0	0.000138		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.138	0.138		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	0.115	0.115		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.000115		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0	0.000456		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.456	0.456		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0	0.000079		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.079	0.079		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	0.106	0.106		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.050	0.025		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.000106		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.000025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-3	7-Apr-18	<0.00	0.000025		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.050	0.025		TH8633	GW	
	ug/L	SS5-4	7-Apr-18	<0.050	0.025		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.000025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.050	0.025		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.000025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
Chromium (Cr) - Total	ug/L	CONTROL 1	8-Apr-18	1.11	1.11		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0	0.00111		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.6	0.6		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.0006		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	2.18	2.18		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.00218		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	1.7	1.7		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.0017		TI9627	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Chromium (Cr) - Total	ug/L	SS1-5	6-Apr-18	2.74	2.74		TI9628	GW	
(cont'd)	mg/L	SS1-5	6-Apr-18	0	0.00274		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	1.19	1.19		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	0	0.00077		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.00119		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.77	0.77		TI9629	DUPW1	
	ug/L	SS2-2	4-Apr-18	1.02	1.02		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.00102		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.18	0.18		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0	0.00018		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	0.26	0.26		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	0	0.00026		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.43	0.43		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.00043		TI4756	DUPW1	Automatically converted from value: 0.43 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.00098		TI4757	DUPW2	Automatically converted from value: 0.98 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.98	0.98		TI4757	DUPW2	
	ug/L	SS3-5	8-Apr-18	0.77	0.77		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0	0.00077		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	5.54	5.54		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0.01	0.00554		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	2.32	2.32		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.00232		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	13.5	13.5		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0.01	0.0135		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.83	0.83		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0	0.00083		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	2.18	2.18		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0	0.00224		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.00218		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	2.24	2.24		TH8632	DUPW2	
	ug/L	SS5-3	7-Apr-18	1.34	1.34		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.00134		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0	0.00196		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	1.96	1.96		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0	0.00072		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.72	0.72		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Cobalt (Co) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0	0.0000714		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	0.0714	0.0714		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.0000742		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.0742	0.0742		TI9636	GW	
	ug/L	CONTROL 3	7-Apr-18	0.0569	0.0569		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.0000569		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	0	0.0000642		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.0642	0.0642		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0	0.0000916		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.0916	0.0916		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	0.0832	0.0832		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	0.0897	0.0897		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.0000832		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.0000897		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	0.12	0.12		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.00012		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	0	0.000035		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.035	0.035		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0	0.0000242		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	0.0242	0.0242		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	0.0371	0.0371		TI4757	DUPW2	
	ug/L	SS3-4	8-Apr-18	0.0276	0.0276		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.0000371		TI4757	DUPW2	Automatically converted from value: 0.0371 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.0000276		TI4756	DUPW1	Automatically converted from value: 0.0276 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	0	0.0000494		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	0.0494	0.0494		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0	0.000008		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.008	0.008		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	0.0152	0.0152		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.0000152		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.00	0.0000025		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.0050	0.0025		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0	0.0000667		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.0667	0.0667		TI9634	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Cobalt (Co) - Dissolved	ug/L	SS4-5	5-Apr-18	0.0679	0.0679		TH8631	DUPW1	
(cont'd)	ug/L	SS4-5	5-Apr-18	0.072	0.072		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.0000679		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.000072		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-3	7-Apr-18	0	0.000062		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.062	0.062		TH8633	GW	
	ug/L	SS5-4	7-Apr-18	0.116	0.116		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0	0.000116		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	7-Apr-18	0	0.0000803		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.0803	0.0803		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
Cobalt (Co) - Total	mg/L	CONTROL 1	8-Apr-18	0	0.000209		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	0.209	0.209		TI9635	GW	
	ug/L	CONTROL 2	5-Apr-18	0.148	0.148		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.000148		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	0.493	0.493		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.000493		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	0.0078	0.0078		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	0.0078	0.0078		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	0	0.0000078		TI9638	EBW	Automatically converted from value: 0.0078 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0	0.0000078		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.34	0.34		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.00034		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.629	0.629		TI9628	GW	
	mg/L	SS1-5	6-Apr-18	0	0.000629		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.238	0.238		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	0	0.000166		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.000238		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.166	0.166		TI9629	DUPW1	
	ug/L	SS2-2	4-Apr-18	0.283	0.283		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.000283		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.061	0.061		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0	0.000061		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	0.039	0.039		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	0	0.000039		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.113	0.113		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.000113		TI4756	DUPW1	Automatically converted from value: 0.113 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.212	0.212		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0	0.000212		TI4757	DUPW2	Automatically converted from value: 0.212 ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Cobalt (Co) - Total	ug/L	SS3-5	8-Apr-18	0.207	0.207		TI4758	GW	
(cont'd)	mg/L	SS3-5	8-Apr-18	0	0.000207		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	1.02	1.02		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.00102		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	0.455	0.455		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.000455		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0	0.00244		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	2.44	2.44		TH8630	GW	
	ug/L	SS4-4	5-Apr-18	0.196	0.196		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0	0.000196		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.36	0.36		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0	0.000418		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.00036		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.418	0.418		TH8632	DUPW2	
	ug/L	SS5-3	7-Apr-18	0.436	0.436		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.000436		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0	0.000531		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	0.531	0.531		TH8634	GW	
	ug/L	SS5-5	7-Apr-18	0.158	0.158		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	0	0.000158		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
Conductivity	us/cm	CONTROL 1	8-Apr-18	3.7	3.7		TI9635	GW	
	us/cm	CONTROL 2	5-Apr-18	6.8	6.8		TI9636	GW	
	us/cm	CONTROL 3	7-Apr-18	8.5	8.5		TH8636	GW	
	us/cm	SS BAG	16-Apr-18	1.7	1.7		TI9638	EBW	
	us/cm	SS BAG	16-Apr-18	1.7	1.7		TI9638	GW	
	us/cm	SS1-4	6-Apr-18	3.5	3.5		TI9627	GW	
	us/cm	SS1-5	6-Apr-18	4.3	4.3		TI9628	GW	
	us/cm	SS2-1	4-Apr-18	3.9	3.9		TI9630	DUPW2	
	us/cm	SS2-1	4-Apr-18	4.1	4.1		TI9629	DUPW1	
	us/cm	SS2-2	4-Apr-18	3.7	3.7		TI9631	GW	
	us/cm	SS2-3	6-Apr-18	2.6	2.6		TI9632	GW	
	us/cm	SS2-4	6-Apr-18	2.3	2.3		TI9633	GW	
	us/cm	SS3-4	8-Apr-18	6	6		TI4757	DUPW2	
	us/cm	SS3-4	8-Apr-18	5.7	5.7		TI4756	DUPW1	
	us/cm	SS3-5	8-Apr-18	8.6	8.6		TI4758	GW	
	us/cm	SS3-6	8-Apr-18	13.4	13.4		TH8628	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Conductivity	us/cm	SS3-6	14-Apr-18	1.3	1.3		TI9637	EBW	
(cont'd)	us/cm	SS3-7	8-Apr-18	9.6	9.6		TH8629	GW	
	us/cm	SS3-8	8-Apr-18	27.9	27.9		TH8630	GW	
	us/cm	SS4-4	5-Apr-18	4.9	4.9		TI9634	GW	
	us/cm	SS4-5	5-Apr-18	5	5		TH8632	DUPW2	
	us/cm	SS4-5	5-Apr-18	6.1	6.1		TH8631	DUPW1	
	us/cm	SS5-3	7-Apr-18	9.6	9.6		TH8633	GW	
	us/cm	SS5-4	7-Apr-18	4.9	4.9		TH8634	GW	
	us/cm	SS5-5	7-Apr-18	3.1	3.1		TH8635	GW	
	us/cm	SS5-5	14-Apr-18	1.3	1.3		TI9637	EBW	
Copper (Cu) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0	0.000077		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	0.077	0.077		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.000097		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.097	0.097		TI9636	GW	
	ug/L	CONTROL 3	7-Apr-18	<0.050	0.025		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.000025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0	0.000076		TI9638	EBW	Automatically converted from value: 0.076 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0	0.000076		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	0.076	0.076		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	0.076	0.076		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.000025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.050	0.025		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.00	0.000025		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.050	0.025		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	0.083	0.083		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	0	0.000092		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.000083		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.092	0.092		TI9629	DUPW1	
	ug/L	SS2-2	4-Apr-18	<0.050	0.025		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.000025		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.050	0.025		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.050	0.025		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.000025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.050	0.025		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000025		TI4756	DUPW1	Automatically converted from value: <0.050 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.000025		TI4757	DUPW2	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.050	0.025		TI4757	DUPW2	
	ug/L	SS3-5	8-Apr-18	<0.050	0.025		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	<0.00	0.000025		TI4758	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Copper (Cu) - Dissolved	mg/L	SS3-6	8-Apr-18	<0.00	0.000025		TH8628	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS3-6	8-Apr-18	<0.050	0.025		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	<0.050	0.025		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.000025		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0	0.000053		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.053	0.053		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.000025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.050	0.025		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	0.053	0.053		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0	0.000053		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.000025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.050	0.025		TH8632	DUPW2	
	ug/L	SS5-3	7-Apr-18	0.058	0.058		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.000058		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	<0.00	0.000025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.050	0.025		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.000025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.050	0.025		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
Copper (Cu) - Total	mg/L	CONTROL 1	8-Apr-18	0	0.00023		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	0.23	0.23		TI9635	GW	
	ug/L	CONTROL 2	5-Apr-18	0.29	0.29		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.00029		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	0.64	0.64		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.00064		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	0.184	0.184		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	0.184	0.184		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	0	0.000184		TI9638	EBW	Automatically converted from value: 0.184 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0	0.000184		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.43	0.43		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.00043		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.58	0.58		TI9628	GW	
	mg/L	SS1-5	6-Apr-18	0	0.00058		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.55	0.55		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	0.46	0.46		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.00055		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.00046		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Copper (Cu) - Total	ug/L	SS2-2	4-Apr-18	0.56	0.56		TI9631	GW	
(cont'd)	mg/L	SS2-2	4-Apr-18	0	0.00056		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	0	0.00048		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.48	0.48		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.00005		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.10	0.05		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	0.38	0.38		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0	0.00038		TI4757	DUPW2	Automatically converted from value: 0.38 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.21	0.21		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.00021		TI4756	DUPW1	Automatically converted from value: 0.21 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	0	0.00029		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	0.29	0.29		TI4758	GW	
	ug/L	SS3-6	8-Apr-18	1.29	1.29		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.00129		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	0.65	0.65		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.00065		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	2.78	2.78		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0	0.00278		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.33	0.33		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0	0.00033		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.57	0.57		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	0.54	0.54		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.00054		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.00057		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-3	7-Apr-18	0	0.00129		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	1.29	1.29		TH8633	GW	
	ug/L	SS5-4	7-Apr-18	1	1		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0	0.001		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.28	0.28		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	0	0.00028		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	
Fluoride (F)	mg/L	CONTROL 1	8-Apr-18	<0.010	0.005		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.011	0.011		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.016	0.016		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	0.011	0.011		TI9627	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Fluoride (F)	mg/L	SS1-5	6-Apr-18	0.012	0.012		TI9628	GW	
(cont'd)	mg/L	SS2-1	4-Apr-18	<0.010	0.005		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.01	0.01		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	<0.010	0.005		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.010	0.005		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.010	0.005		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.010	0.005		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.010	0.005		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	<0.010	0.005		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.017	0.017		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.010	0.005		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.016	0.016		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0.018	0.018		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.010	0.005		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.016	0.016		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.015	0.015		TH8631	DUPW1	
	mg/L	SS5-3	7-Apr-18	0.017	0.017		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.016	0.016		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.014	0.014		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.010	0.005		TI9637	EBW	
Hardness (as $CaCO_3$) - Dissolved	mg/L	CONTROL 1	8-Apr-18	1.02	1.02		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	1.5	1.5		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	3.22	3.22		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0.76	0.76		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	1.24	1.24		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.89	0.89		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.85	0.85		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	0.98	0.98		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.50	0.25		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.50	0.25		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	2.55	2.55		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	2.4	2.4		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	2.41	2.41		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	5.85	5.85		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	4.18	4.18		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	12.2	12.2		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	1.47	1.47		TI9634	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Hardness (as $CaCO_3$) - Dissolved *(cont'd)*	mg/L	SS4-5	5-Apr-18	1.64	1.64		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	1.36	1.36		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	3.97	3.97		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	1.62	1.62		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.77	0.77		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	
Hardness (as $CACO_3$) - Total	mg/L	CONTROL 1	8-Apr-18	2.5	2.5		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	2.38	2.38		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	7.1	7.1		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	3.11	3.11		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	6.06	6.06		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	2.26	2.26		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	1.65	1.65		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	2.35	2.35		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.71	0.71		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.50	0.25		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	3.12	3.12		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	3.6	3.6		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	3.74	3.74		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	14.5	14.5		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	7.47	7.47		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	36.2	36.2		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	2.74	2.74		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	4.73	4.73		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	4.71	4.71		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	6.12	6.12		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	4.5	4.5		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	1.85	1.85		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	
Hydroxide (OH)	mg/L	CONTROL 1	8-Apr-18	<0.50	0.25		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.50	0.25		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.50	0.25		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	<0.50	0.25		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.50	0.25		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25		TI9630	DUPW2	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Hydroxide (OH)	mg/L	SS2-1	4-Apr-18	<0.50	0.25		TI9629	DUPW1	
(cont'd)	mg/L	SS2-2	4-Apr-18	<0.50	0.25		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.50	0.25		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.50	0.25		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	<0.50	0.25		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.50	0.25		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	<0.50	0.25		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	<0.50	0.25		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.50	0.25		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	<0.50	0.25		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	<0.50	0.25		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	<0.50	0.25		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<0.50	0.25		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.50	0.25		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	
Iron (Fe) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0.01	0.0142		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	14.2	14.2		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.0017		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	1.7	1.7		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.0015		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	1.5	1.5		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.0005		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.0005		TI9638	EBW	Automatically converted from value: <1.0 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<1.0	0.5		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<1.0	0.5		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.0005		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<1.0	0.5		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0	0.0047		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	4.7	4.7		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<1.0	0.5		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.0005		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0.01	0.0075		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	7.5	7.5		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	0	0.0024		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	2.4	2.4		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.0005		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<1.0	0.5		TI9632	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Iron (Fe) - Dissolved	mg/L	SS2-4	6-Apr-18	<0.00	0.0005		TI9633	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS2-4	6-Apr-18	<1.0	0.5		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.00	0.0005		TI4757	DUPW2	Automatically converted from value: <1.0 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<1.0	0.5		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0	0.0032		TI4756	DUPW1	Automatically converted from value: 3.2 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	3.2	3.2		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	<0.00	0.0005		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<1.0	0.5		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.0005		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<1.0	0.5		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.0005		TI9637	EBW	Automatically converted from value: <1.0 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<1.0	0.5		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.0005		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	<1.0	0.5		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0	0.0027		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	2.7	2.7		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0	0.0033		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	3.3	3.3		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	1.7	1.7		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0	0.0014		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	1.4	1.4		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.0017		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-3	7-Apr-18	0	0.0045		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	4.5	4.5		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0	0.0033		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	3.3	3.3		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0	0.0016		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	1.6	1.6		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<1.0	0.5		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.0005		TI9637	EBW	Automatically converted from value: <1.0 ug/L to mg/L.
Iron (Fe) - Total	mg/L	CONTROL 1	8-Apr-18	0.24	0.244		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	244	244		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.11	0.111		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	111	111		TI9636	GW	
	ug/L	CONTROL 3	7-Apr-18	466	466		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.47	0.466		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.0005		TI9638	EBW	Automatically converted from value: <1.0 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.0005		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<1.0	0.5		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<1.0	0.5		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	0.43	0.433		TI9627	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Iron (Fe) - Total	ug/L	SS1-4	6-Apr-18	433	433		TI9627	GW	
(cont'd)	mg/L	SS1-5	6-Apr-18	0.72	0.719		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	719	719		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	241	241		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	0.24	0.241		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0.13	0.127		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	127	127		TI9629	DUPW1	
	ug/L	SS2-2	4-Apr-18	284	284		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0.28	0.284		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	0.05	0.0469		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	46.9	46.9		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	17.7	17.7		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	0.02	0.0177		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	112	112		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.26	0.262		TI4757	DUPW2	Automatically converted from value: 262 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0.11	0.112		TI4756	DUPW1	Automatically converted from value: 112 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	262	262		TI4757	DUPW2	
	ug/L	SS3-5	8-Apr-18	176	176		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0.18	0.176		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	1240	1240		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	1.24	1.24		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	0	0.0035		TI9637	EBW	Automatically converted from value: 3.5 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	3.5	3.5		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	652	652		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0.65	0.652		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	3.12	3.12		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	3120	3120		TH8630	GW	
	ug/L	SS4-4	5-Apr-18	169	169		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0.17	0.169		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	424	424		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.47	0.468		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0.42	0.424		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	468	468		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0.57	0.572		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	572	572		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.63	0.631		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	631	631		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.13	0.131		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	131	131		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	3.5	3.5		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	0	0.0035		TI9637	EBW	Automatically converted from value: 3.5 ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Lead (Pb) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0	0.0000143		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	0.0143	0.0143		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.0000087		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.0087	0.0087		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.0000025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.0050	0.0025		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	0	0.0000054		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.0054	0.0054		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0	0.0000053		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.0053	0.0053		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.0050	0.0025		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.0000025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.0000025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.0050	0.0025		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	<0.0050	0.0025		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.0000025		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.00	0.0000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.0050	0.0025		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0	0.0000066		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	0.0066	0.0066		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.0050	0.0025		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.0050	0.0025		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.0000025		TI4757	DUPW2	Automatically converted from value: <0.0050 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.0000025		TI4756	DUPW1	Automatically converted from value: <0.0050 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	<0.00	0.0000025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.0050	0.0025		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.0000025		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.0050	0.0025		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	<0.0050	0.0025		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.0000025		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.00	0.0000025		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.0050	0.0025		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0	0.000006		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.006	0.006		TI9634	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Lead (Pb) - Dissolved	ug/L	SS4-5	5-Apr-18	<0.0050	0.0025		TH8631	DUPW1	
(cont'd)	ug/L	SS4-5	5-Apr-18	<0.0050	0.0025		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.0000025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.0000025		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-3	7-Apr-18	0	0.0000159		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.0159	0.0159		TH8633	GW	
	ug/L	SS5-4	7-Apr-18	<0.0050	0.0025		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.0000025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.0050	0.0025		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.0000025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
Lead (Pb) - Total	ug/L	CONTROL 1	8-Apr-18	0.116	0.116		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0	0.000116		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.089	0.089		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.000089		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	0.348	0.348		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.000348		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	0.0075	0.0075		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	0.0075	0.0075		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	0	0.0000075		TI9638	EBW	Automatically converted from value: 0.0075 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0	0.0000075		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.185	0.185		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.000185		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0	0.0003		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.3	0.3		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	0.203	0.203		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.000203		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.000223		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.223	0.223		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	0.388	0.388		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.000388		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.045	0.045		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0	0.000045		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.020	0.01		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.00001		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.106	0.106		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.000106		TI4756	DUPW1	Automatically converted from value: 0.106 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.0002		TI4757	DUPW2	Automatically converted from value: 0.2 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.2	0.2		TI4757	DUPW2	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Lead (Pb) - Total	ug/L	SS3-5	8-Apr-18	0.188	0.188		TI4758	GW	
(cont'd)	mg/L	SS3-5	8-Apr-18	0	0.000188		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.605	0.605		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.000605		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	0.3	0.3		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.0003		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	2.13	2.13		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0	0.00213		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.215	0.215		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0	0.000215		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.216	0.216		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0	0.000216		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.000198		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.198	0.198		TH8632	DUPW2	
	ug/L	SS5-3	7-Apr-18	1.07	1.07		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.00107		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0	0.000562		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	0.562	0.562		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0	0.000082		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.082	0.082		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
Lithium (Li) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.00025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.50	0.25		TI9635	GW	
	ug/L	CONTROL 2	5-Apr-18	<0.50	0.25		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.00025		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.00025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.50	0.25		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00025		TI9638	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.00025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.50	0.25		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.00	0.00025		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.50	0.25		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.50	0.25		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.00025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Lithium (Li) - Dissolved	ug/L	SS2-1	4-Apr-18	<0.50	0.25		TI9630	DUPW2	
(cont'd)	mg/L	SS2-1	4-Apr-18	<0.00	0.00025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	<0.50	0.25		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.00025		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.00	0.00025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.50	0.25		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.50	0.25		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.00025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.50	0.25		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.00025		TI4757	DUPW2	Automatically converted from value: <0.50 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.00025		TI4756	DUPW1	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.50	0.25		TI4756	DUPW1	
	ug/L	SS3-5	8-Apr-18	<0.50	0.25		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	<0.00	0.00025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	8-Apr-18	<0.00	0.00025		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.50	0.25		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.00025		TI9637	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.00025		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	<0.50	0.25		TH8629	GW	
	ug/L	SS3-8	8-Apr-18	<0.50	0.25		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	<0.00	0.00025		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-4	5-Apr-18	<0.00	0.00025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.50	0.25		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	<0.50	0.25		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.50	0.25		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.00025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.00025		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.50	0.25		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00	0.00025		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.50	0.25		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.00025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.50	0.25		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.00025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.00025		TI9637	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
Lithium (Li) - Total	ug/L	CONTROL 1	8-Apr-18	0.53	0.53		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0	0.00053		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.00025		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.50	0.25		TI9636	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Lithium (Li) - Total	ug/L	CONTROL 3	7-Apr-18	0.96	0.96		TH8636	GW	
(cont'd)	mg/L	CONTROL 3	7-Apr-18	0	0.00096		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00025		TI9638	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.93	0.93		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.00093		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0	0.00108		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	1.08	1.08		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.50	0.25		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.00025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.00025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.50	0.25		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	0.64	0.64		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.00064		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.00	0.00025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.50	0.25		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.50	0.25		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.00025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.50	0.25		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.00	0.00025		TI4756	DUPW1	Automatically converted from value: <0.50 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.00025		TI4757	DUPW2	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.50	0.25		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	<0.00	0.00025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.50	0.25		TI4758	GW	
	ug/L	SS3-6	8-Apr-18	2.41	2.41		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.00241		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	<0.00	0.00025		TI9637	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	1.31	1.31		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.00131		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	5.75	5.75		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0.01	0.00575		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.50	0.25		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.00025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.86	0.86		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0	0.00086		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.00086		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.86	0.86		TH8632	DUPW2	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Lithium (Li) - Total	mg/L	SS5-3	7-Apr-18	0	0.00262		TH8633	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS5-3	7-Apr-18	2.62	2.62		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0	0.00214		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	2.14	2.14		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.00025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.50	0.25		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.00025		TI9637	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	
Magnesium (Mg) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0.0955	0.0955		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.14	0.14		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.162	0.162		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0.0573	0.0573		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.121	0.121		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.0673	0.0673		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.0624	0.0624		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	0.0724	0.0724		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.031	0.031		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0.0218	0.0218		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.0714	0.0714		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.0679	0.0679		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.0997	0.0997		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.16	0.16		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.107	0.107		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0.224	0.224		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.101	0.101		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.154	0.154		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.124	0.124		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0.144	0.144		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.11	0.11		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.0591	0.0591		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
Magnesium (Mg) - Total	mg/L	CONTROL 1	8-Apr-18	0.424	0.424		TI9635	GW	
	ug/L	CONTROL 1	8-Apr-18	424	424		TI9635	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	CONTROL 2	5-Apr-18	0.334	0.334		TI9636	GW	
	ug/L	CONTROL 2	5-Apr-18	334	334		TI9636	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	CONTROL 3	7-Apr-18	0.988	0.988		TH8636	GW	
	ug/L	CONTROL 3	7-Apr-18	988	988		TH8636	GW	Automatically converted from value: mg/L to ug/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Magnesium (Mg) - Total	ug/L	SS BAG	16-Apr-18	<5.00	2.5		TI9638	EBW	Automatically converted from value: <0.0050 mg/L to ug/L.
(cont'd)	ug/L	SS BAG	16-Apr-18	<5.00	2.5		TI9638	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	EBW	
	ug/L	SS1-4	6-Apr-18	600	600		TI9627	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS1-4	6-Apr-18	0.6	0.6		TI9627	GW	
	ug/L	SS1-5	6-Apr-18	1200	1200		TI9628	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS1-5	6-Apr-18	1.2	1.2		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	244	244		TI9629	DUPW1	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-1	4-Apr-18	0.244	0.244		TI9629	DUPW1	
	ug/L	SS2-1	4-Apr-18	382	382		TI9630	DUPW2	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-1	4-Apr-18	0.382	0.382		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	0.367	0.367		TI9631	GW	
	ug/L	SS2-2	4-Apr-18	367	367		TI9631	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS2-3	6-Apr-18	87	87		TI9632	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-3	6-Apr-18	0.087	0.087		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<50.00	25		TI9633	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-4	6-Apr-18	<0.050	0.025		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	200	200		TI4756	DUPW1	Automatically converted from value: 0.200 mg/L to ug/L.
	mg/L	SS3-4	8-Apr-18	0.2	0.2		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	400	400		TI4757	DUPW2	Automatically converted from value: 0.4 mg/L to ug/L.
	mg/L	SS3-4	8-Apr-18	0.4	0.4		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.371	0.371		TI4758	GW	
	ug/L	SS3-5	8-Apr-18	371	371		TI4758	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS3-6	8-Apr-18	2030	2030		TH8628	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-6	8-Apr-18	2.03	2.03		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	<5.00	2.5		TI9637	EBW	Automatically converted from value: <0.0050 mg/L to ug/L.
	mg/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.8	0.8		TH8629	GW	
	ug/L	SS3-7	8-Apr-18	800	800		TH8629	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-8	8-Apr-18	5.21	5.21		TH8630	GW	
	ug/L	SS3-8	8-Apr-18	5210	5210		TH8630	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS4-4	5-Apr-18	376	376		TI9634	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS4-4	5-Apr-18	0.376	0.376		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	850	850		TH8631	DUPW1	Automatically converted from value: mg/L to ug/L.
	mg/L	SS4-5	5-Apr-18	0.85	0.85		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.888	0.888		TH8632	DUPW2	
	ug/L	SS4-5	5-Apr-18	888	888		TH8632	DUPW2	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-3	7-Apr-18	0.478	0.478		TH8633	GW	
	ug/L	SS5-3	7-Apr-18	478	478		TH8633	GW	Automatically converted from value: mg/L to ug/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Magnesium (Mg) - Total	mg/L	SS5-4	7-Apr-18	0.663	0.663		TH8634	GW	
(cont'd)	ug/L	SS5-4	7-Apr-18	663	663		TH8634	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS5-5	7-Apr-18	302	302		TH8635	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-5	7-Apr-18	0.302	0.302		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	ug/L	SS5-5	14-Apr-18	<5.00	2.5		TI9637	EBW	Automatically converted from value: <0.0050 mg/L to ug/L.
Manganese (Mn) - Dissolved	ug/L	CONTROL 1	8-Apr-18	3.92	3.92		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0	0.00392		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	1.87	1.87		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.00187		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	4.1	4.1		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.0041		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	ug/L	SS1-4	6-Apr-18	1.53	1.53		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.00153		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0	0.00243		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	2.43	2.43		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	1.77	1.77		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.00177		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.00174		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	1.74	1.74		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	2.32	2.32		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.00232		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.67	0.67		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0	0.00067		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	0	0.000469		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	0.469	0.469		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	1.2	1.2		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0	0.0012		TI4757	DUPW2	Automatically converted from value: 1.20 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.00115		TI4756	DUPW1	Automatically converted from value: 1.15 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	1.15	1.15		TI4756	DUPW1	
	ug/L	SS3-5	8-Apr-18	1.97	1.97		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0	0.00197		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.745	0.745		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.000745		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Manganese (Mn) - Dissolved	ug/L	SS3-7	8-Apr-18	0.838	0.838		TH8629	GW	
(cont'd)	mg/L	SS3-7	8-Apr-18	0	0.000838		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.079	0.079		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0	0.000079		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	1.83	1.83		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0	0.00183		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	2.02	2.02		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	1.92	1.92		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.00192		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.00202		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	4.15	4.15		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.00415		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	4.84	4.84		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0	0.00484		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	1.69	1.69		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	0	0.00169		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
Manganese (Mn) - Total	mg/L	CONTROL 1	8-Apr-18	0.01	0.00716		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	7.16	7.16		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.00327		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	3.27	3.27		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.01	0.0121		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	12.1	12.1		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0.01	0.00654		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	6.54	6.54		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.01	0.0117		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	11.7	11.7		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	3.29	3.29		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.00476		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.00329		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	4.76	4.76		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	6.22	6.22		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0.01	0.00622		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	0	0.00128		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	1.28	1.28		TI9632	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Manganese (Mn) - Total	ug/L	SS2-4	6-Apr-18	0.73	0.73		TI9633	GW	
(cont'd)	mg/L	SS2-4	6-Apr-18	0	0.00073		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	3.08	3.08		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.00308		TI4756	DUPW1	Automatically converted from value: 3.08 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.00479		TI4757	DUPW2	Automatically converted from value: 4.79 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	4.79	4.79		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0	0.00459		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	4.59	4.59		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.02	0.0199		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	19.9	19.9		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	0	0.000132		TI9637	EBW	Automatically converted from value: 0.132 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	0.132	0.132		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	10.1	10.1		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0.01	0.0101		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0.05	0.0478		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	47.8	47.8		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0	0.00425		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	4.25	4.25		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	7.25	7.25		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.01	0.00725		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0.01	0.00761		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	7.61	7.61		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0.01	0.0146		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	14.6	14.6		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.02	0.0151		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	15.1	15.1		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0	0.0034		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	3.4	3.4		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	0.132	0.132		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	0	0.000132		TI9637	EBW	Automatically converted from value: 0.132 ug/L to mg/L.
Mercury (Hg) - Total	ug/L	CONTROL 1	8-Apr-18	<0.0020	0.001		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	<0.00000	0.000001		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.0020	0.001		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00000	0.000001		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 3	7-Apr-18	<0.00000	0.000001		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.0020	0.001		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00000	0.000001		TI9638	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00000	0.000001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-4	6-Apr-18	<0.00000	0.000001		TI9627	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Mercury (Hg) - Total	ug/L	SS1-4	6-Apr-18	<0.0020	0.001		TI9627	GW	
(cont'd)	mg/L	SS1-5	6-Apr-18	<0.00000	0.000001		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.0020	0.001		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.0020	0.001		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00000	0.000001		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00000	0.000001		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.0020	0.001		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	<0.0020	0.001		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00000	0.000001		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.0020	0.001		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	<0.00000	0.000001		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	<0.00000	0.000001		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.0020	0.001		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.0020	0.001		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.0020	0.001		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00000	0.000001		TI4757	DUPW2	Automatically converted from value: <0.0020 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00000	0.000001		TI4756	DUPW1	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.0020	0.001		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	<0.00000	0.000001		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.0020	0.001		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	<0.00000	0.000001		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.0020	0.001		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00000	0.000001		TI9637	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	<0.0020	0.001		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00000	0.000001		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.0020	0.001		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	<0.00000	0.000001		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.0020	0.001		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00000	0.000001		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.0020	0.001		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.0020	0.001		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00000	0.000001		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00000	0.000001		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.0020	0.001		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00000	0.000001		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.0020	0.001		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	<0.00000	0.000001		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.0020	0.001		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00000	0.000001		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00000	0.000001		TI9637	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0020	0.001		TI9637	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Molybdenum (Mo) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.000025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.050	0.025		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.000088		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.088	0.088		TI9636	GW	
	ug/L	CONTROL 3	7-Apr-18	0.078	0.078		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.000078		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.000025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.050	0.025		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0	0.000059		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.059	0.059		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	0.122	0.122		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.000122		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.00011		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.11	0.11		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	0.135	0.135		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.000135		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.00	0.000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.050	0.025		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.050	0.025		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.000025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.050	0.025		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000025		TI4757	DUPW2	Automatically converted from value: <0.050 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.000025		TI4756	DUPW1	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.050	0.025		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	<0.00	0.000025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.050	0.025		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0	0.000108		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.108	0.108		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	0.065	0.065		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.000065		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0	0.00028		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.28	0.28		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0	0.000063		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.063	0.063		TI9634	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Molybdenum (Mo) - Dissolved	ug/L	SS4-5	5-Apr-18	0.096	0.096		TH8631	DUPW1	
(cont'd)	mg/L	SS4-5	5-Apr-18	0	0.000096		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.000082		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.082	0.082		TH8632	DUPW2	
	ug/L	SS5-3	7-Apr-18	0.105	0.105		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.000105		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0	0.000082		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	0.082	0.082		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.000025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.050	0.025		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
Molybdenum (Mo) - Total	ug/L	CONTROL 1	8-Apr-18	<0.050	0.025		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	<0.00	0.000025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.107	0.107		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.000107		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	0.109	0.109		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.000109		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	ug/L	SS1-4	6-Apr-18	<0.050	0.025		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.000025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0	0.000084		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.084	0.084		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	0.177	0.177		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.000221		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.000177		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.221	0.221		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	0.189	0.189		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.000189		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.050	0.025		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	<0.00	0.000025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.050	0.025		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.050	0.025		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.000055		TI4757	DUPW2	Automatically converted from value: 0.055 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.055	0.055		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000025		TI4756	DUPW1	Automatically converted from value: <0.050 ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Molybdenum (Mo) - Total	ug/L	SS3-5	8-Apr-18	0.067	0.067		TI4758	GW	
(cont'd)	mg/L	SS3-5	8-Apr-18	0	0.000067		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.169	0.169		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.000169		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	0.085	0.085		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.000085		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.396	0.396		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0	0.000396		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.078	0.078		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0	0.000078		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.177	0.177		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	0.149	0.149		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.000149		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.000177		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.138	0.138		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.000138		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	0.136	0.136		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0	0.000136		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.098	0.098		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	0	0.000098		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	
Nickel (Ni) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0	0.00126		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	1.26	1.26		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.00151		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	1.51	1.51		TI9636	GW	
	ug/L	CONTROL 3	7-Apr-18	2.5	2.5		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.0025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0	0.0014		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	1.4	1.4		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0	0.0031		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	3.1	3.1		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	1.66	1.66		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.00166		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Nickel (Ni) - Dissolved	mg/L	SS2-1	4-Apr-18	0	0.00169		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS2-1	4-Apr-18	1.69	1.69		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	2.01	2.01		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.00201		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	0	0.000582		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.582	0.582		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	0.45	0.45		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	0	0.00045		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.657	0.657		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.000657		TI4756	DUPW1	Automatically converted from value: 0.657 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.000699		TI4757	DUPW2	Automatically converted from value: 0.699 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.699	0.699		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0	0.00183		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	1.83	1.83		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0	0.000359		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.359	0.359		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.020	0.01		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	0.458	0.458		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.000458		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0	0.000071		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.071	0.071		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0	0.00186		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	1.86	1.86		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	1.75	1.75		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0	0.00175		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.00179		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	1.79	1.79		TH8632	DUPW2	
	ug/L	SS5-3	7-Apr-18	0.805	0.805		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.000805		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0	0.00218		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	2.18	2.18		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0	0.00183		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	1.83	1.83		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<0.020	0.01		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
Nickel (Ni) - Total	ug/L	CONTROL 1	8-Apr-18	2.88	2.88		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0.00288	0.00288		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	2.41	2.41		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0.00241	0.00241		TI9636	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Nickel (Ni) - Total	mg/L	CONTROL 3	7-Apr-18	0.00768	0.00768		TH8636	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	CONTROL 3	7-Apr-18	7.68	7.68		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.020	0.01		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00001		TI9638	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00002	0.00001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	4.26	4.26		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0.00426	0.00426		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0.00903	0.00903		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	9.03	9.03		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	2.59	2.59		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.0031	0.0031		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0.00259	0.00259		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	3.1	3.1		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	3.48	3.48		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0.00348	0.00348		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.96	0.96		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0.00096	0.00096		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	0.00067	0.00067		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	0.67	0.67		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	1.63	1.63		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	2.59	2.59		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0.00259	0.00259		TI4757	DUPW2	Automatically converted from value: 2.59 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0.00163	0.00163		TI4756	DUPW1	Automatically converted from value: 1.63 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	3.48	3.48		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0.00348	0.00348		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	13.2	13.2		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0.0132	0.0132		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.020	0.01		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00002	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	5.02	5.02		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0.00502	0.00502		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	32.8	32.8		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0.0328	0.0328		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	3.33	3.33		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0.00333	0.00333		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	5.36	5.36		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	5.86	5.86		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.00586	0.00586		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0.00536	0.00536		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Nickel (Ni) - Total	ug/L	SS5-3	7-Apr-18	2.83	2.83		TH8633	GW	
(cont'd)	mg/L	SS5-3	7-Apr-18	0.00283	0.00283		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	5.27	5.27		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0.00527	0.00527		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	3	3		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	0.003	0.003		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00	0.00001		TI9637	EBW	Automatically converted from value: <0.020 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.020	0.01		TI9637	EBW	
Nitrate (N)	mg/L	CONTROL 1	8-Apr-18	<0.0020	0.001		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.101	0.101		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.0959	0.0959		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	0.0676	0.0676		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.0735	0.0735		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.109	0.109		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.105	0.105		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	0.06	0.06		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.0456	0.0456		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0.0399	0.0399		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.0635	0.0635		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.0648	0.0648		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.0994	0.0994		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.1	0.1		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.0020	0.001		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.0577	0.0577		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0.125	0.125		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.0597	0.0597		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.105	0.105		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.0944	0.0944		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0.0728	0.0728		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.0616	0.0616		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.089	0.089		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.0020	0.001		TI9637	EBW	
Nitrate plus Nitrite (N)	mg/L	CONTROL 1	8-Apr-18	<0.0020	0.001		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.102	0.102		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.0983	0.0983		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0.0676	0.0676		TI9627	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Nitrate plus Nitrite (N)	mg/L	SS1-5	6-Apr-18	0.0763	0.0763		TI9628	GW	
(cont'd)	mg/L	SS2-1	4-Apr-18	0.105	0.105		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	0.109	0.109		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	0.06	0.06		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.0456	0.0456		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0.0399	0.0399		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.0648	0.0648		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0.0635	0.0635		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	0.101	0.101		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.103	0.103		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.0020	0.001		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.0577	0.0577		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0.133	0.133		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.0597	0.0597		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.0954	0.0954		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.105	0.105		TH8631	DUPW1	
	mg/L	SS5-3	7-Apr-18	0.0845	0.0845		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.0701	0.0701		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.0901	0.0901		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.0020	0.001		TI9637	EBW	
Nitrite (N) - Total	mg/L	CONTROL 1	8-Apr-18	<0.0010	0.0005		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.0012	0.0012		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.0024	0.0024		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.0010	0.0005		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.0010	0.0005		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.0010	0.0005		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.0028	0.0028		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<0.0010	0.0005		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.0010	0.0005		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	<0.0010	0.0005		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.0010	0.0005		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.0010	0.0005		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.0010	0.0005		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.0010	0.0005		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.0019	0.0019		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.0027	0.0027		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.0010	0.0005		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	<0.0010	0.0005		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0.0072	0.0072		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.0010	0.0005		TI9634	GW	

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Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Nitrite (N) - Total	mg/L	SS4-5	5-Apr-18	<0.0010	0.0005		TH8631	DUPW1	
(cont'd)	mg/L	SS4-5	5-Apr-18	0.001	0.001		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0.0117	0.0117		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.0085	0.0085		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.0011	0.0011		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.0010	0.0005		TI9637	EBW	
Nitrogen (N) - Total	mg/L	CONTROL 1	8-Apr-18	0.313	0.313		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.243	0.243		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.26	0.26		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	0.061	0.061		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	0.061	0.061		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	0.242	0.242		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.275	0.275		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.291	0.291		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.312	0.312		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	0.203	0.203		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.166	0.166		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0.22	0.22		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.113	0.113		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.141	0.141		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.185	0.185		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.217	0.217		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	0.075	0.075		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.171	0.171		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0.318	0.318		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.244	0.244		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.258	0.258		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.231	0.231		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	<0.20	0.1		TH8633	GW	RDL raised due to sample matrix interference.
	mg/L	SS5-4	7-Apr-18	0.147	0.147		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.144	0.144		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	0.075	0.075		TI9637	EBW	
Orthophosphate (PO4-P)	mg/L	CONTROL 1	8-Apr-18	0.0036	0.0036		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.0052	0.0052		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.011	0.011		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.0010	0.0005		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.0010	0.0005		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	0.0072	0.0072		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.0061	0.0061		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.0054	0.0054		TI9629	DUPW1	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Orthophosphate (PO4-P)	mg/L	SS2-1	4-Apr-18	0.0059	0.0059		TI9630	DUPW2	
(cont'd)	mg/L	SS2-2	4-Apr-18	0.01	0.01		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.0024	0.0024		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0.0024	0.0024		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.006	0.006		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.0026	0.0026		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.0042	0.0042		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.0097	0.0097		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.0010	0.0005		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.0044	0.0044		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0.0067	0.0067		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.006	0.006		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.0088	0.0088		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.0081	0.0081		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0.0029	0.0029		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.0025	0.0025		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.0055	0.0055		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.0010	0.0005		TI9637	EBW	
pH	pH	CONTROL 1	8-Apr-18	5.78	5.78		TI9635	GW	
	pH	CONTROL 2	5-Apr-18	6.17	6.17		TI9636	GW	
	pH	CONTROL 3	7-Apr-18	6.65	6.65		TH8636	GW	
	pH	SS BAG	16-Apr-18	5.87	5.87		TI9638	GW	
	pH	SS BAG	16-Apr-18	5.87	5.87		TI9638	EBW	
	pH	SS1-4	6-Apr-18	5.66	5.66		TI9627	GW	
	pH	SS1-5	6-Apr-18	5.97	5.97		TI9628	GW	
	pH	SS2-1	4-Apr-18	5.52	5.52		TI9630	DUPW2	
	pH	SS2-1	4-Apr-18	5.61	5.61		TI9629	DUPW1	
	pH	SS2-2	4-Apr-18	5.86	5.86		TI9631	GW	
	pH	SS2-3	6-Apr-18	5.87	5.87		TI9632	GW	
	pH	SS2-4	6-Apr-18	5.28	5.28		TI9633	GW	
	pH	SS3-4	8-Apr-18	5.01	5.01		TI4756	DUPW1	
	pH	SS3-4	8-Apr-18	5.12	5.12		TI4757	DUPW2	
	pH	SS3-5	8-Apr-18	5.83	5.83		TI4758	GW	
	pH	SS3-6	8-Apr-18	6.95	6.95		TH8628	GW	
	pH	SS3-6	14-Apr-18	5.68	5.68		TI9637	EBW	
	pH	SS3-7	8-Apr-18	6.84	6.84		TH8629	GW	
	pH	SS3-8	8-Apr-18	7.52	7.52		TH8630	GW	
	pH	SS4-4	5-Apr-18	5.76	5.76		TI9634	GW	
	pH	SS4-5	5-Apr-18	6.19	6.19		TH8631	DUPW1	
	pH	SS4-5	5-Apr-18	6.16	6.16		TH8632	DUPW2	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
pH	pH	SS5-3	7-Apr-18	6.76	6.76		TH8633	GW	
(cont'd)	pH	SS5-4	7-Apr-18	6.51	6.51		TH8634	GW	
	pH	SS5-5	7-Apr-18	6.09	6.09		TH8635	GW	
	pH	SS5-5	14-Apr-18	5.68	5.68		TI9637	EBW	
Phosphorous (P) - Dissolved (TDP)	mg/L	CONTROL 1	8-Apr-18	0.0198	0.0198		TI9635	GW	
	ug/L	CONTROL 1	8-Apr-18	19.8	19.8		TI9635	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	CONTROL 2	5-Apr-18	0.0155	0.0155		TI9636	GW	
	ug/L	CONTROL 2	5-Apr-18	15.5	15.5		TI9636	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	CONTROL 3	7-Apr-18	0.0081	0.0081		TH8636	GW	
	ug/L	CONTROL 3	7-Apr-18	8.1	8.1		TH8636	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS BAG	16-Apr-18	0.0024	0.0024		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	0.0024	0.0024		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	2.4	2.4		TI9638	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS BAG	16-Apr-18	2.4	2.4		TI9638	EBW	Automatically converted from value: 0.0024 mg/L to ug/L.
	ug/L	SS1-4	6-Apr-18	26.3	26.3		TI9627	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS1-4	6-Apr-18	0.0263	0.0263		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.0177	0.0177		TI9628	GW	
	ug/L	SS1-5	6-Apr-18	17.7	17.7		TI9628	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS2-1	4-Apr-18	22	22		TI9629	DUPW1	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-1	4-Apr-18	0.022	0.022		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.0135	0.0135		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	13.5	13.5		TI9630	DUPW2	Automatically converted from value: mg/L to ug/L.
	ug/L	SS2-2	4-Apr-18	42.7	42.7		TI9631	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-2	4-Apr-18	0.0427	0.0427		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.0092	0.0092		TI9632	GW	
	ug/L	SS2-3	6-Apr-18	9.2	9.2		TI9632	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS2-4	6-Apr-18	6.7	6.7		TI9633	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-4	6-Apr-18	0.0067	0.0067		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	31.8	31.8		TI4756	DUPW1	Automatically converted from value: 0.0318 mg/L to ug/L.
	ug/L	SS3-4	8-Apr-18	17.9	17.9		TI4757	DUPW2	Automatically converted from value: 0.0179 mg/L to ug/L.
	mg/L	SS3-4	8-Apr-18	0.0318	0.0318		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.0179	0.0179		TI4757	DUPW2	
	ug/L	SS3-5	8-Apr-18	36.7	36.7		TI4758	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-5	8-Apr-18	0.0367	0.0367		TI4758	GW	
	ug/L	SS3-6	8-Apr-18	38.4	38.4		TH8628	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-6	8-Apr-18	0.0384	0.0384		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.0020	0.001		TI9637	EBW	
	ug/L	SS3-6	14-Apr-18	<2.00	1		TI9637	EBW	Automatically converted from value: <0.0020 mg/L to ug/L.
	ug/L	SS3-7	8-Apr-18	26.2	26.2		TH8629	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-7	8-Apr-18	0.0262	0.0262		TH8629	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Phosphorous (P) - Dissolved (TDP)	mg/L	SS3-8	8-Apr-18	0.0114	0.0114		TH8630	GW	
(cont'd)	ug/L	SS3-8	8-Apr-18	11.4	11.4		TH8630	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS4-4	5-Apr-18	3.2	3.2		TI9634	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS4-4	5-Apr-18	0.0032	0.0032		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	28	28		TH8631	DUPW1	Automatically converted from value: mg/L to ug/L.
	ug/L	SS4-5	5-Apr-18	30.4	30.4		TH8632	DUPW2	Automatically converted from value: mg/L to ug/L.
	mg/L	SS4-5	5-Apr-18	0.0304	0.0304		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.028	0.028		TH8631	DUPW1	
	ug/L	SS5-3	7-Apr-18	16.8	16.8		TH8633	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-3	7-Apr-18	0.0168	0.0168		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.0126	0.0126		TH8634	GW	
	ug/L	SS5-4	7-Apr-18	12.6	12.6		TH8634	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS5-5	7-Apr-18	12	12		TH8635	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-5	7-Apr-18	0.012	0.012		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<2.00	1		TI9637	EBW	Automatically converted from value: <0.0020 mg/L to ug/L.
	mg/L	SS5-5	14-Apr-18	<0.0020	0.001		TI9637	EBW	
Phosphorous (P) - Total	ug/L	CONTROL 1	8-Apr-18	27.3	27.3		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0.0282	0.0282		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.0149	0.0149		TI9636	GW	
	ug/L	CONTROL 2	5-Apr-18	10.1	10.1		TI9636	GW	
	ug/L	CONTROL 3	7-Apr-18	44.5	44.5		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.066	0.066		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<2.00	1		TI9638	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS BAG	16-Apr-18	<2.00	1		TI9638	EBW	Automatically converted from value: <0.0020 mg/L to ug/L.
	mg/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	GW	
	ug/L	SS1-4	6-Apr-18	17.9	17.9		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0.0269	0.0269		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.0386	0.0386		TI9628	GW	
	ug/L	SS1-5	6-Apr-18	37.5	37.5		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.0243	0.0243		TI9629	DUPW1	
	ug/L	SS2-1	4-Apr-18	13.5	13.5		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.026	0.026		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	17.9	17.9		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	0.0436	0.0436		TI9631	GW	
	ug/L	SS2-2	4-Apr-18	34.7	34.7		TI9631	GW	
	ug/L	SS2-3	6-Apr-18	<5.0	2.5		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0.0076	0.0076		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<5.0	2.5		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	0.0067	0.0067		TI9633	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Phosphorous (P) - Total	ug/L	SS3-4	8-Apr-18	13.7	13.7		TI4756	DUPW1	
(cont'd)	mg/L	SS3-4	8-Apr-18	0.0303	0.0303		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.0237	0.0237		TI4757	DUPW2	
	ug/L	SS3-4	8-Apr-18	19	19		TI4757	DUPW2	
	ug/L	SS3-5	8-Apr-18	22.4	22.4		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0.0393	0.0393		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.0897	0.0897		TH8628	GW	
	ug/L	SS3-6	8-Apr-18	69.2	69.2		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	2.7	2.7		TI9637	EBW	Automatically converted from value: 0.0027 mg/L to ug/L.
	mg/L	SS3-6	14-Apr-18	0.0027	0.0027		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.0291	0.0291		TH8629	GW	
	ug/L	SS3-7	8-Apr-18	40	40		TH8629	GW	
	ug/L	SS3-8	8-Apr-18	176	176		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0.223	0.223		TH8630	GW	
	ug/L	SS4-4	5-Apr-18	11.5	11.5		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0.0262	0.0262		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	27.2	27.2		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.0227	0.0227		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	28.6	28.6		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.0258	0.0258		TH8632	DUPW2	
	ug/L	SS5-3	7-Apr-18	99.2	99.2		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0.309	0.309		TH8633	GW	
	ug/L	SS5-4	7-Apr-18	71.7	71.7		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0.133	0.133		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.0195	0.0195		TH8635	GW	
	ug/L	SS5-5	7-Apr-18	29.7	29.7		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	0.0027	0.0027		TI9637	EBW	
	ug/L	SS5-5	14-Apr-18	2.7	2.7		TI9637	EBW	Automatically converted from value: 0.0027 mg/L to ug/L.
Potassium (K) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0.111	0.111		TI9635	GW	
	ug/L	CONTROL 1	8-Apr-18	111	111		TI9635	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	CONTROL 2	5-Apr-18	0.129	0.129		TI9636	GW	
	ug/L	CONTROL 2	5-Apr-18	129	129		TI9636	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	CONTROL 3	7-Apr-18	0.116	0.116		TH8636	GW	
	ug/L	CONTROL 3	7-Apr-18	116	116		TH8636	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<10.00	5		TI9638	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS BAG	16-Apr-18	<10.00	5		TI9638	EBW	Automatically converted from value: <0.010 mg/L to ug/L.
	mg/L	SS1-4	6-Apr-18	0.041	0.041		TI9627	GW	
	ug/L	SS1-4	6-Apr-18	41	41		TI9627	GW	Automatically converted from value: mg/L to ug/L.

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Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Potassium (K) - Dissolved	ug/L	SS1-5	6-Apr-18	99	99		TI9628	GW	Automatically converted from value: mg/L to ug/L.
(cont'd)	mg/L	SS1-5	6-Apr-18	0.099	0.099		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.036	0.036		TI9629	DUPW1	
	ug/L	SS2-1	4-Apr-18	36	36		TI9629	DUPW1	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-1	4-Apr-18	0.035	0.035		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	35	35		TI9630	DUPW2	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-2	4-Apr-18	0.06	0.06		TI9631	GW	
	ug/L	SS2-2	4-Apr-18	60	60		TI9631	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-3	6-Apr-18	0.024	0.024		TI9632	GW	Dissolved greater than total. Reanalysis yields similar results.
	ug/L	SS2-3	6-Apr-18	24	24		TI9632	GW	Automatically converted from value: mg/L to ug/L. Dissolved gr
	mg/L	SS2-4	6-Apr-18	0.015	0.015		TI9633	GW	
	ug/L	SS2-4	6-Apr-18	15	15		TI9633	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-4	8-Apr-18	0.047	0.047		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.044	0.044		TI4757	DUPW2	
	ug/L	SS3-4	8-Apr-18	44	44		TI4757	DUPW2	Automatically converted from value: 0.044 mg/L to ug/L.
	ug/L	SS3-4	8-Apr-18	47	47		TI4756	DUPW1	Automatically converted from value: 0.047 mg/L to ug/L.
	mg/L	SS3-5	8-Apr-18	0.071	0.071		TI4758	GW	
	ug/L	SS3-5	8-Apr-18	71	71		TI4758	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-6	8-Apr-18	0.115	0.115		TH8628	GW	
	ug/L	SS3-6	8-Apr-18	115	115		TH8628	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-6	14-Apr-18	<0.010	0.005		TI9637	EBW	
	ug/L	SS3-6	14-Apr-18	<10.00	5		TI9637	EBW	Automatically converted from value: <0.010 mg/L to ug/L.
	mg/L	SS3-7	8-Apr-18	0.055	0.055		TH8629	GW	
	ug/L	SS3-7	8-Apr-18	55	55		TH8629	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-8	8-Apr-18	0.302	0.302		TH8630	GW	
	ug/L	SS3-8	8-Apr-18	302	302		TH8630	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS4-4	5-Apr-18	74	74		TI9634	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS4-4	5-Apr-18	0.074	0.074		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.119	0.119		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	119	119		TH8631	DUPW1	Automatically converted from value: mg/L to ug/L.
	mg/L	SS4-5	5-Apr-18	0.094	0.094		TH8632	DUPW2	
	ug/L	SS4-5	5-Apr-18	94	94		TH8632	DUPW2	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-3	7-Apr-18	0.198	0.198		TH8633	GW	
	ug/L	SS5-3	7-Apr-18	198	198		TH8633	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-4	7-Apr-18	0.121	0.121		TH8634	GW	
	ug/L	SS5-4	7-Apr-18	121	121		TH8634	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS5-5	7-Apr-18	41	41		TH8635	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-5	7-Apr-18	0.041	0.041		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<10.00	5		TI9637	EBW	Automatically converted from value: <0.010 mg/L to ug/L.
	mg/L	SS5-5	14-Apr-18	<0.010	0.005		TI9637	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Potassium (K) - Total	mg/L	CONTROL 1	8-Apr-18	0.169	0.169		TI9635	GW	
	ug/L	CONTROL 1	8-Apr-18	169	169		TI9635	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	CONTROL 2	5-Apr-18	163	163		TI9636	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	CONTROL 2	5-Apr-18	0.163	0.163		TI9636	GW	
	ug/L	CONTROL 3	7-Apr-18	259	259		TH8636	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	CONTROL 3	7-Apr-18	0.259	0.259		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<10.00	5		TI9638	EBW	Automatically converted from value: <0.010 mg/L to ug/L.
	ug/L	SS BAG	16-Apr-18	<10.00	5		TI9638	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	EBW	
	ug/L	SS1-4	6-Apr-18	181	181		TI9627	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS1-4	6-Apr-18	0.181	0.181		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.307	0.307		TI9628	GW	
	ug/L	SS1-5	6-Apr-18	307	307		TI9628	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-1	4-Apr-18	0.077	0.077		TI9629	DUPW1	
	ug/L	SS2-1	4-Apr-18	77	77		TI9629	DUPW1	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-1	4-Apr-18	0.102	0.102		TI9630	DUPW2	
	ug/L	SS2-1	4-Apr-18	102	102		TI9630	DUPW2	Automatically converted from value: mg/L to ug/L.
	ug/L	SS2-2	4-Apr-18	200	200		TI9631	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-2	4-Apr-18	0.2	0.2		TI9631	GW	
	ug/L	SS2-3	6-Apr-18	<50.00	25		TI9632	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-3	6-Apr-18	<0.050	0.025		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<50.00	25		TI9633	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-4	6-Apr-18	<0.050	0.025		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.064	0.064		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	64	64		TI4756	DUPW1	Automatically converted from value: 0.064 mg/L to ug/L.
	ug/L	SS3-4	8-Apr-18	81	81		TI4757	DUPW2	Automatically converted from value: 0.081 mg/L to ug/L.
	mg/L	SS3-4	8-Apr-18	0.081	0.081		TI4757	DUPW2	
	ug/L	SS3-5	8-Apr-18	101	101		TI4758	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-5	8-Apr-18	0.101	0.101		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.441	0.441		TH8628	GW	
	ug/L	SS3-6	8-Apr-18	441	441		TH8628	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS3-6	14-Apr-18	<10.00	5		TI9637	EBW	Automatically converted from value: <0.010 mg/L to ug/L.
	mg/L	SS3-6	14-Apr-18	<0.010	0.005		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.231	0.231		TH8629	GW	
	ug/L	SS3-7	8-Apr-18	231	231		TH8629	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-8	8-Apr-18	1.13	1.13		TH8630	GW	
	ug/L	SS3-8	8-Apr-18	1130	1130		TH8630	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS4-4	5-Apr-18	128	128		TI9634	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS4-4	5-Apr-18	0.128	0.128		TI9634	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Potassium (K) - Total	ug/L	SS4-5	5-Apr-18	237	237		TH8631	DUPW1	Automatically converted from value: mg/L to ug/L.
(cont'd)	mg/L	SS4-5	5-Apr-18	0.237	0.237		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	207	207		TH8632	DUPW2	Automatically converted from value: mg/L to ug/L.
	mg/L	SS4-5	5-Apr-18	0.207	0.207		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	0.501	0.501		TH8633	GW	
	ug/L	SS5-3	7-Apr-18	501	501		TH8633	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-4	7-Apr-18	0.415	0.415		TH8634	GW	
	ug/L	SS5-4	7-Apr-18	415	415		TH8634	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS5-5	7-Apr-18	76	76		TH8635	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-5	7-Apr-18	0.076	0.076		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.010	0.005		TI9637	EBW	
	ug/L	SS5-5	14-Apr-18	<10.00	5		TI9637	EBW	Automatically converted from value: <0.010 mg/L to ug/L.
Selenium (Se) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.00002		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.040	0.02		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.00002		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.040	0.02		TI9636	GW	
	ug/L	CONTROL 3	7-Apr-18	<0.040	0.02		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.00002		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00002		TI9638	EBW	Automatically converted from value: <0.040 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00002		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.040	0.02		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.040	0.02		TI9638	EBW	
	ug/L	SS1-4	6-Apr-18	<0.040	0.02		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.00002		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	<0.00	0.00002		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.040	0.02		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.040	0.02		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.00002		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.00002		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.040	0.02		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	<0.040	0.02		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.00002		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.00	0.00002		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.040	0.02		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.040	0.02		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.00002		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.040	0.02		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.040	0.02		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.00002		TI4757	DUPW2	Automatically converted from value: <0.040 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.00002		TI4756	DUPW1	Automatically converted from value: <0.040 ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Selenium (Se) - Dissolved	ug/L	SS3-5	8-Apr-18	<0.040	0.02		TI4758	GW	
(cont'd)	mg/L	SS3-5	8-Apr-18	<0.00	0.00002		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.040	0.02		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.00002		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	14-Apr-18	<0.00	0.00002		TI9637	EBW	Automatically converted from value: <0.040 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.040	0.02		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	<0.040	0.02		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.00002		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.00	0.00002		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.040	0.02		TH8630	GW	
	ug/L	SS4-4	5-Apr-18	<0.040	0.02		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.00002		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.040	0.02		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.040	0.02		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.00002		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.00002		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.040	0.02		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00	0.00002		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.040	0.02		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.00002		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.040	0.02		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.00002		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.040	0.02		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.00002		TI9637	EBW	Automatically converted from value: <0.040 ug/L to mg/L.
Selenium (Se) - Total	ug/L	CONTROL 1	8-Apr-18	<0.040	0.02		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	<0.00	0.00002		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.040	0.02		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.00002		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.00002		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.040	0.02		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<0.040	0.02		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.040	0.02		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00002		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00002		TI9638	EBW	Automatically converted from value: <0.040 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.040	0.02		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.00002		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	<0.00	0.00002		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.040	0.02		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.040	0.02		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.00002		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Selenium (Se) - Total	mg/L	SS2-1	4-Apr-18	<0.00	0.00002		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS2-1	4-Apr-18	<0.040	0.02		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	<0.040	0.02		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.00002		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.040	0.02		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.00002		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	<0.00	0.00002		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.040	0.02		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.040	0.02		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.00	0.00002		TI4756	DUPW1	Automatically converted from value: <0.040 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.040	0.02		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.00002		TI4757	DUPW2	Automatically converted from value: <0.040 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	<0.00	0.00002		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.040	0.02		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.00002		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.040	0.02		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	<0.040	0.02		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.00002		TI9637	EBW	Automatically converted from value: <0.040 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	<0.040	0.02		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.00002		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.040	0.02		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	<0.00	0.00002		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-4	5-Apr-18	<0.00	0.00002		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.040	0.02		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	<0.040	0.02		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	<0.00	0.00002		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.00002		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.040	0.02		TH8632	DUPW2	
	ug/L	SS5-3	7-Apr-18	<0.040	0.02		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00	0.00002		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	<0.00	0.00002		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.040	0.02		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.00002		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.040	0.02		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.00002		TI9637	EBW	Automatically converted from value: <0.040 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.040	0.02		TI9637	EBW	
Silicon (Si) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.05	0.025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<50	25		TI9635	GW	
	ug/L	CONTROL 2	5-Apr-18	<50	25		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.05	0.025		TI9636	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Silicon (Si) - Dissolved	ug/L	CONTROL 3	7-Apr-18	150	150		TH8636	GW	
(cont'd)	mg/L	CONTROL 3	7-Apr-18	0.15	0.15		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<50	25		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<50	25		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.05	0.025		TI9638	EBW	Automatically converted from value: <50 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.05	0.025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-4	6-Apr-18	<0.05	0.025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<50	25		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.07	0.065		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	65	65		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<50	25		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.05	0.025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<50	25		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	<0.05	0.025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	<50	25		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.05	0.025		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.05	0.025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<50	25		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<50	25		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.05	0.025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	142	142		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.13	0.129		TI4757	DUPW2	Automatically converted from value: 129 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	129	129		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0.14	0.142		TI4756	DUPW1	Automatically converted from value: 142 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	106	106		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0.11	0.106		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	376	376		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0.38	0.376		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<50	25		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.05	0.025		TI9637	EBW	Automatically converted from value: <50 ug/L to mg/L.
	mg/L	SS3-7	8-Apr-18	0.26	0.26		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	260	260		TH8629	GW	
	ug/L	SS3-8	8-Apr-18	958	958		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0.96	0.958		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<50	25		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.05	0.025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<50	25		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<50	25		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.05	0.025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.05	0.025		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Silicon (Si) - Dissolved	mg/L	SS5-3	7-Apr-18	0.2	0.198		TH8633	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS5-3	7-Apr-18	198	198		TH8633	GW	
	ug/L	SS5-4	7-Apr-18	77	77		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0.08	0.077		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<50	25		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.05	0.025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.05	0.025		TI9637	EBW	Automatically converted from value: <50 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<50	25		TI9637	EBW	
Silicon (Si) - Total	ug/L	CONTROL 1	8-Apr-18	495	495		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0.5	0.495		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	205	205		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0.21	0.205		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 3	7-Apr-18	0.82	0.819		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	819	819		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<50	25		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<50	25		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.05	0.025		TI9638	EBW	Automatically converted from value: <50 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.05	0.025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	907	907		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0.91	0.907		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	1.07	1.07		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	1070	1070		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	188	188		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.19	0.188		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0.37	0.373		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	373	373		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	378	378		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0.38	0.378		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	78	78		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0.08	0.078		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	<0.05	0.025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<50	25		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	277	277		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.28	0.277		TI4756	DUPW1	Automatically converted from value: 277 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	505	505		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0.51	0.505		TI4757	DUPW2	Automatically converted from value: 505 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	0.3	0.304		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	304	304		TI4758	GW	
	ug/L	SS3-6	8-Apr-18	2720	2720		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	2.72	2.72		TH8628	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Silicon (Si) - Total	ug/L	SS3-6	14-Apr-18	<50	25		TI9637	EBW	
(cont'd)	mg/L	SS3-6	14-Apr-18	<0.05	0.025		TI9637	EBW	Automatically converted from value: <50 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	1310	1310		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	1.31	1.31		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	5640	5640		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	5.64	5.64		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-4	5-Apr-18	0.28	0.281		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	281	281		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	883	883		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.88	0.883		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0.96	0.963		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	963	963		TH8632	DUPW2	
	ug/L	SS5-3	7-Apr-18	1430	1430		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	1.43	1.43		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0.98	0.976		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	976	976		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.24	0.236		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	236	236		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.05	0.025		TI9637	EBW	Automatically converted from value: <50 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<50	25		TI9637	EBW	
Silver (Ag) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.0000025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.0050	0.0025		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.0000025		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.0050	0.0025		TI9636	GW	
	ug/L	CONTROL 3	7-Apr-18	<0.0050	0.0025		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.0000025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	mg/L	SS1-4	6-Apr-18	<0.00	0.0000025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.0050	0.0025		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.00	0.0000025		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.0050	0.0025		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.0050	0.0025		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.0000025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.0000025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.0050	0.0025		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	<0.0050	0.0025		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.0000025		TI9631	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Silver (Ag) - Dissolved	mg/L	SS2-3	6-Apr-18	<0.00	0.0000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS2-3	6-Apr-18	<0.0050	0.0025		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.0050	0.0025		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.0000025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.0050	0.0025		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.0050	0.0025		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.0000025		TI4756	DUPW1	Automatically converted from value: <0.0050 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.0000025		TI4757	DUPW2	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.0050	0.0025		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	<0.00	0.0000025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.0050	0.0025		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.0000025		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	<0.0050	0.0025		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.0000025		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.00	0.0000025		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.0050	0.0025		TH8630	GW	
	ug/L	SS4-4	5-Apr-18	<0.0050	0.0025		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.0000025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.0050	0.0025		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.0050	0.0025		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.0000025		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.0000025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.0050	0.0025		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00	0.0000025		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.0050	0.0025		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.0000025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.0050	0.0025		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.0000025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
Silver (Ag) - Total	ug/L	CONTROL 1	8-Apr-18	<0.010	0.005		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	<0.00	0.000005		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.010	0.005		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.000005		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.000005		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.010	0.005		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.0050	0.0025		TI9638	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Silver (Ag) - Total	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	mg/L	SS BAG	16-Apr-18	<0.00	0.0000025		TI9638	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.010	0.005		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.000005		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	<0.00	0.000005		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.010	0.005		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.010	0.005		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.000005		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.000005		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.010	0.005		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	<0.010	0.005		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.000005		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.010	0.005		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.000005		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	<0.00	0.000005		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.010	0.005		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.010	0.005		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000005		TI4756	DUPW1	Automatically converted from value: <0.010 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.010	0.005		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000005		TI4757	DUPW2	Automatically converted from value: <0.010 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	<0.00	0.000005		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.010	0.005		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.000005		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.010	0.005		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	<0.010	0.005		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.000005		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.010	0.005		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	<0.00	0.000005		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-4	5-Apr-18	<0.00	0.000005		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.010	0.005		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	<0.010	0.005		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.010	0.005		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.000005		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.000005		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.010	0.005		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00	0.000005		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	<0.00	0.000005		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.010	0.005		TH8634	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Silver (Ag) - Total	mg/L	SS5-5	7-Apr-18	<0.00	0.000005		TH8635	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS5-5	7-Apr-18	<0.010	0.005		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.0000025		TI9637	EBW	Automatically converted from value: <0.0050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0050	0.0025		TI9637	EBW	
Sodium (Na) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0.066	0.066		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.272	0.272		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.138	0.138		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	0.067	0.067		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.102	0.102		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.078	0.078		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.073	0.073		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	0.078	0.078		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.069	0.069		TI9632	GW	Dissolved greater than total. Reanalysis yields similar results.
	mg/L	SS2-4	6-Apr-18	0.032	0.032		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.044	0.044		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0.044	0.044		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	0.079	0.079		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.098	0.098		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.010	0.005		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.053	0.053		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0.274	0.274		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.12	0.12		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.173	0.173		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.236	0.236		TH8631	DUPW1	
	mg/L	SS5-3	7-Apr-18	0.114	0.114		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.072	0.072		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.062	0.062		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.010	0.005		TI9637	EBW	
Sodium (Na) - Total	ug/L	CONTROL 1	8-Apr-18	89	89		TI9635	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	CONTROL 1	8-Apr-18	0.089	0.089		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.289	0.289		TI9636	GW	
	ug/L	CONTROL 2	5-Apr-18	289	289		TI9636	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	CONTROL 3	7-Apr-18	125	125		TH8636	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	CONTROL 3	7-Apr-18	0.125	0.125		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<10.00	5		TI9638	EBW	Automatically converted from value: <0.010 mg/L to ug/L.
	ug/L	SS BAG	16-Apr-18	<10.00	5		TI9638	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	GW	
	ug/L	SS1-4	6-Apr-18	97	97		TI9627	GW	Automatically converted from value: mg/L to ug/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Sodium (Na) - Total	mg/L	SS1-4	6-Apr-18	0.097	0.097		TI9627	GW	
(cont'd)	ug/L	SS1-5	6-Apr-18	125	125		TI9628	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS1-5	6-Apr-18	0.125	0.125		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	86	86		TI9629	DUPW1	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-1	4-Apr-18	0.086	0.086		TI9629	DUPW1	
	ug/L	SS2-1	4-Apr-18	88	88		TI9630	DUPW2	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-1	4-Apr-18	0.088	0.088		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	114	114		TI9631	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-2	4-Apr-18	0.114	0.114		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.050	0.025		TI9632	GW	
	ug/L	SS2-3	6-Apr-18	<50.00	25		TI9632	GW	Automatically converted from value: mg/L to ug/L.
	ug/L	SS2-4	6-Apr-18	<50.00	25		TI9633	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS2-4	6-Apr-18	<0.050	0.025		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<50.00	25		TI4756	DUPW1	Automatically converted from value: <0.050 mg/L to ug/L.
	mg/L	SS3-4	8-Apr-18	<0.050	0.025		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.050	0.025		TI4757	DUPW2	
	ug/L	SS3-4	8-Apr-18	<50.00	25		TI4757	DUPW2	Automatically converted from value: <0.050 mg/L to ug/L.
	ug/L	SS3-5	8-Apr-18	74	74		TI4758	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-5	8-Apr-18	0.074	0.074		TI4758	GW	
	ug/L	SS3-6	8-Apr-18	140	140		TH8628	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-6	8-Apr-18	0.14	0.14		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	<10.00	5		TI9637	EBW	Automatically converted from value: <0.010 mg/L to ug/L.
	mg/L	SS3-6	14-Apr-18	<0.010	0.005		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	67	67		TH8629	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-7	8-Apr-18	0.067	0.067		TH8629	GW	
	ug/L	SS3-8	8-Apr-18	367	367		TH8630	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS3-8	8-Apr-18	0.367	0.367		TH8630	GW	
	ug/L	SS4-4	5-Apr-18	120	120		TI9634	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS4-4	5-Apr-18	0.12	0.12		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	240	240		TH8631	DUPW1	Automatically converted from value: mg/L to ug/L.
	mg/L	SS4-5	5-Apr-18	0.24	0.24		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.18	0.18		TH8632	DUPW2	
	ug/L	SS4-5	5-Apr-18	180	180		TH8632	DUPW2	Automatically converted from value: mg/L to ug/L.
	ug/L	SS5-3	7-Apr-18	132	132		TH8633	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-3	7-Apr-18	0.132	0.132		TH8633	GW	
	ug/L	SS5-4	7-Apr-18	96	96		TH8634	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-4	7-Apr-18	0.096	0.096		TH8634	GW	
	ug/L	SS5-5	7-Apr-18	80	80		TH8635	GW	Automatically converted from value: mg/L to ug/L.
	mg/L	SS5-5	7-Apr-18	0.08	0.08		TH8635	GW	
	ug/L	SS5-5	14-Apr-18	<10.00	5		TI9637	EBW	Automatically converted from value: <0.010 mg/L to ug/L.
	mg/L	SS5-5	14-Apr-18	<0.010	0.005		TI9637	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Strontium (Sr) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0	0.00168		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	1.68	1.68		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.00295		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	2.95	2.95		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.01	0.00608		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	6.08	6.08		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	1.84	1.84		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.00184		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0	0.00366		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	3.66	3.66		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	1.96	1.96		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.00184		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.00196		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	1.84	1.84		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	2.35	2.35		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.00235		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.797	0.797		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0	0.000797		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	0	0.000461		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	0.461	0.461		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	2.28	2.28		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	2.14	2.14		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0	0.00214		TI4757	DUPW2	Automatically converted from value: 2.14 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.00228		TI4756	DUPW1	Automatically converted from value: 2.28 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	0	0.00363		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	3.63	3.63		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.01	0.00668		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	6.68	6.68		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	ug/L	SS3-7	8-Apr-18	3.09	3.09		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.00309		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0.01	0.0116		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	11.6	11.6		TH8630	GW	
	ug/L	SS4-4	5-Apr-18	3.1	3.1		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0	0.0031		TI9634	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Strontium (Sr) - Dissolved	ug/L	SS4-5	5-Apr-18	3.73	3.73		TH8631	DUPW1	
(cont'd)	ug/L	SS4-5	5-Apr-18	3.21	3.21		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.00373		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.00321		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	4.54	4.54		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.00454		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	3.5	3.5		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0	0.0035		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	2.06	2.06		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	0	0.00206		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
Strontium (Sr) - Total	ug/L	CONTROL 1	8-Apr-18	2.22	2.22		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0	0.00222		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	3.25	3.25		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.00325		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	7.12	7.12		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.01	0.00712		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	2.24	2.24		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.00224		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0	0.00486		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	4.86	4.86		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	2.2	2.2		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.0022		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.00214		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	2.14	2.14		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	2.73	2.73		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.00273		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	0	0.00089		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.89	0.89		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	0.53	0.53		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	0	0.00053		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	2.49	2.49		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.00249		TI4756	DUPW1	Automatically converted from value: 2.49 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	2.22	2.22		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0	0.00222		TI4757	DUPW2	Automatically converted from value: 2.22 ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Strontium (Sr) - Total	ug/L	SS3-5	8-Apr-18	4.01	4.01		TI4758	GW	
(cont'd)	mg/L	SS3-5	8-Apr-18	0	0.00401		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	8.56	8.56		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0.01	0.00856		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	3.75	3.75		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.00375		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	20.9	20.9		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0.02	0.0209		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-4	5-Apr-18	0	0.00347		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	3.47	3.47		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	4.5	4.5		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	3.84	3.84		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.00384		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.0045		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	5.68	5.68		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0.01	0.00568		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0	0.00475		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	4.75	4.75		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0	0.00236		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	2.36	2.36		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	
Sulphate (SO_4) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.50	0.25		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0.64	0.64		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.50	0.25		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.50	0.25		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.50	0.25		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	<0.50	0.25		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.50	0.25		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.50	0.25		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.84	0.84		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.61	0.61		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.50	0.25		TH8628	GW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Sulphate (SO_4) - Dissolved	mg/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
(cont'd)	mg/L	SS3-7	8-Apr-18	<0.50	0.25		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	1.05	1.05		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.50	0.25		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	<0.50	0.25		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	<0.50	0.25		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	<0.50	0.25		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<0.50	0.25		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.50	0.25		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	
Sulphur (S) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.50	0.25		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.50	0.25		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.58	0.58		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
	mg/L	SS1-4	6-Apr-18	<0.50	0.25		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.50	0.25		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.50	0.25		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	<0.50	0.25		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.50	0.25		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.50	0.25		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.50	0.25		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	<0.50	0.25		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.50	0.25		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	<0.50	0.25		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	<0.50	0.25		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.50	0.25		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	<0.50	0.25		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	<0.50	0.25		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	<0.50	0.25		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<0.50	0.25		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.50	0.25		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	
Sulphur (S) - Total	mg/L	CONTROL 1	8-Apr-18	<0.60	0.3		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.60	0.3		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.60	0.3		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Sulphur (S) - Total	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
(cont'd)	mg/L	SS1-4	6-Apr-18	<0.60	0.3		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.60	0.3		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<0.60	0.3		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.60	0.3		TI9630	DUPW2	
	mg/L	SS2-2	4-Apr-18	<0.60	0.3		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	<0.60	0.3		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.60	0.3		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	<0.60	0.3		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.60	0.3		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	<0.60	0.3		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.60	0.3		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	<0.60	0.3		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	<0.60	0.3		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.60	0.3		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	<0.60	0.3		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	<0.60	0.3		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	<0.60	0.3		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	<0.60	0.3		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.60	0.3		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	
Thallium (Tl) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.000001		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.0020	0.001		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.000001		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.0020	0.001		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.000001		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.0020	0.001		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000001		TI9638	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.0020	0.001		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.000001		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	<0.00	0.000001		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.0020	0.001		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.0020	0.001		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.000001		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.000001		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.0020	0.001		TI9630	DUPW2	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Thallium (Tl) - Dissolved	ug/L	SS2-2	4-Apr-18	<0.0020	0.001		TI9631	GW	
(cont'd)	mg/L	SS2-2	4-Apr-18	<0.00	0.000001		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.0020	0.001		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.000001		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	<0.00	0.000001		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.0020	0.001		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.0020	0.001		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.0020	0.001		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000001		TI4756	DUPW1	Automatically converted from value: <0.0020 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.000001		TI4757	DUPW2	Automatically converted from value: <0.0020 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	<0.00	0.000001		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.0020	0.001		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.000001		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.0020	0.001		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	<0.0020	0.001		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000001		TI9637	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	<0.0020	0.001		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.000001		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.00	0.000001		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.0020	0.001		TH8630	GW	
	ug/L	SS4-4	5-Apr-18	<0.0020	0.001		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.000001		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.0020	0.001		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.0020	0.001		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.000001		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.000001		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.0020	0.001		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00	0.000001		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.0020	0.001		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.000001		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.0020	0.001		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.000001		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00	0.000001		TI9637	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0020	0.001		TI9637	EBW	
Thallium (Tl) - Total	ug/L	CONTROL 1	8-Apr-18	0.0027	0.0027		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0	0.0000027		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.0023	0.0023		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.0000023		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	0.0077	0.0077		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.0000077		TH8636	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Thallium (Tl) - Total	ug/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	EBW	
(cont'd)	ug/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000001		TI9638	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.0061	0.0061		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.0000061		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0	0.0000092		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.0092	0.0092		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	0.0028	0.0028		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.0000028		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.0000032		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.0032	0.0032		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	0.0063	0.0063		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.0000063		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.00	0.000001		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.0020	0.001		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.0020	0.001		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.000001		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.0020	0.001		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000001		TI4756	DUPW1	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.0029	0.0029		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0	0.0000029		TI4757	DUPW2	Automatically converted from value: 0.0029 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	0.0038	0.0038		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0	0.0000038		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.0175	0.0175		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.0000175		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.0020	0.001		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000001		TI9637	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	0.009	0.009		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.000009		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.042	0.042		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0	0.000042		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-4	5-Apr-18	0	0.0000031		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.0031	0.0031		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	0.0051	0.0051		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	0.0055	0.0055		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.0000051		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.0000055		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.0168	0.0168		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.0000168		TH8633	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Thallium (Tl) - Total	mg/L	SS5-4	7-Apr-18	0	0.0000153		TH8634	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS5-4	7-Apr-18	0.0153	0.0153		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0	0.0000021		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.0021	0.0021		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000001		TI9637	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0020	0.001		TI9637	EBW	
Tin (Sn) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.000005		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.010	0.005		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.000027		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.027	0.027		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.000005		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.010	0.005		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000005		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000005		TI9638	EBW	Automatically converted from value: <0.010 ug/L to mg/L.
	mg/L	SS1-4	6-Apr-18	<0.00	0.000005		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.010	0.005		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	<0.00	0.000005		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.010	0.005		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.010	0.005		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.000005		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.000005		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.010	0.005		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	<0.010	0.005		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.000005		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.00	0.000005		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.010	0.005		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.000005		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.010	0.005		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.010	0.005		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.010	0.005		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000005		TI4757	DUPW2	Automatically converted from value: <0.010 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.000005		TI4756	DUPW1	Automatically converted from value: <0.010 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	<0.00	0.000005		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.010	0.005		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.000005		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.010	0.005		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	<0.010	0.005		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000005		TI9637	EBW	Automatically converted from value: <0.010 ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Tin (Sn) - Dissolved	ug/L	SS3-7	8-Apr-18	<0.010	0.005		TH8629	GW	
(cont'd)	mg/L	SS3-7	8-Apr-18	<0.00	0.000005		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.00	0.000005		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.010	0.005		TH8630	GW	
	ug/L	SS4-4	5-Apr-18	<0.010	0.005		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.000005		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.010	0.005		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.010	0.005		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.000005		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.000005		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.010	0.005		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00	0.000005		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.010	0.005		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.000005		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.010	0.005		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.000005		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00	0.000005		TI9637	EBW	Automatically converted from value: <0.010 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.010	0.005		TI9637	EBW	
Tin (Sn) - Total	ug/L	CONTROL 1	8-Apr-18	<0.20	0.1		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	<0.00	0.0001		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.20	0.1		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.0001		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.20	0.1		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.0001		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.010	0.005		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000005		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000005		TI9638	EBW	Automatically converted from value: <0.010 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.20	0.1		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.0001		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	<0.00	0.0001		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.20	0.1		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.20	0.1		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.0001		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.0001		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.20	0.1		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	<0.20	0.1		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.0001		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.20	0.1		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.0001		TI9632	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Tin (Sn) - Total	ug/L	SS2-4	6-Apr-18	<0.20	0.1		TI9633	GW	
(cont'd)	mg/L	SS2-4	6-Apr-18	<0.00	0.0001		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.20	0.1		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	<0.00	0.0001		TI4756	DUPW1	Automatically converted from value: <0.20 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.20	0.1		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.0001		TI4757	DUPW2	Automatically converted from value: <0.20 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.20	0.1		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	<0.00	0.0001		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.20	0.1		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.0001		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.010	0.005		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000005		TI9637	EBW	Automatically converted from value: <0.010 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	<0.20	0.1		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.0001		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.20	0.1		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	<0.00	0.0001		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-4	5-Apr-18	<0.00	0.0001		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.20	0.1		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	<0.20	0.1		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.20	0.1		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.0001		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.0001		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.20	0.1		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00	0.0001		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	<0.00	0.0001		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.20	0.1		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.0001		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.20	0.1		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000005		TI9637	EBW	Automatically converted from value: <0.010 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.010	0.005		TI9637	EBW	
Titanium (Ti) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.00025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.50	0.25		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.00025		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.50	0.25		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.00025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.50	0.25		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00025		TI9638	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
	mg/L	SS1-4	6-Apr-18	<0.00	0.00025		TI9627	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Titanium (Ti) - Dissolved	ug/L	SS1-4	6-Apr-18	<0.50	0.25		TI9627	GW	
(cont'd)	mg/L	SS1-5	6-Apr-18	<0.00	0.00025		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.50	0.25		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.50	0.25		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.00025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.00025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.50	0.25		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	<0.50	0.25		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.00025		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.00	0.00025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.50	0.25		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.00025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.50	0.25		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.50	0.25		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.50	0.25		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.00025		TI4756	DUPW1	Automatically converted from value: <0.50 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.00025		TI4757	DUPW2	Automatically converted from value: <0.50 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	<0.00	0.00025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.50	0.25		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	<0.00	0.00025		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.50	0.25		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.00025		TI9637	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	<0.50	0.25		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00	0.00025		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.00	0.00025		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.50	0.25		TH8630	GW	
	ug/L	SS4-4	5-Apr-18	<0.50	0.25		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.00025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.8	0.8		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.50	0.25		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.00025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.0008		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.50	0.25		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00	0.00025		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.50	0.25		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	<0.00	0.00025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.50	0.25		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.00025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00	0.00025		TI9637	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Titanium (Ti) - Total	ug/L	CONTROL 1	8-Apr-18	11.9	11.9		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0.01	0.0119		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	5	5		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0.01	0.005		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	19.3	19.3		TH8636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.02	0.0193		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.00025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.00025		TI9638	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	24	24		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0.02	0.024		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0.03	0.0278		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	27.8	27.8		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	5	5		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.01	0.005		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0.01	0.0112		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	11.2	11.2		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	13.3	13.3		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0.01	0.0133		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	2.1	2.1		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0	0.0021		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<2.0	1		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.001		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	5.9	5.9		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0.01	0.0059		TI4756	DUPW1	Automatically converted from value: 5.9 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	11	11		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0.01	0.011		TI4757	DUPW2	Automatically converted from value: 11.0 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	6.5	6.5		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0.01	0.0065		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	62.2	62.2		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0.06	0.0622		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.00025		TI9637	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	35.2	35.2		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0.04	0.0352		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	148	148		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0.15	0.148		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-4	5-Apr-18	0.01	0.0063		TI9634	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Titanium (Ti) - Total	ug/L	SS4-4	5-Apr-18	6.3	6.3		TI9634	GW	
(cont'd)	ug/L	SS4-5	5-Apr-18	20.8	20.8		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	22.4	22.4		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.02	0.0208		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0.02	0.0224		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	23.3	23.3		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0.02	0.0233		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0.03	0.027		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	27	27		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.01	0.0062		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	6.2	6.2		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.00025		TI9637	EBW	Automatically converted from value: <0.50 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	
Total Dissolved Solids (TDS)	mg/L	CONTROL 1	8-Apr-18	2	2		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	4.8	4.8		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	6.8	6.8		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<1.0	0.5		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<1.0	0.5		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	2	2		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	2.4	2.4		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	2	2		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	3.2	3.2		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	2	2		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	1.2	1.2		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	1.2	1.2		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	4	4		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	4.4	4.4		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	3.2	3.2		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	9.6	9.6		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	1.2	1.2		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	8	8		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	17.6	17.6		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	3.6	3.6		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	2.8	2.8		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	3.6	3.6		TH8631	DUPW1	
	mg/L	SS5-3	7-Apr-18	6	6		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	2.8	2.8		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	2.4	2.4		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	1.2	1.2		TI9637	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Total Dissolved Solids (TDS)	mg/L	CONTROL 1	8-Apr-18	1	1		TI9635	GW	
- Calculated	mg/L	CONTROL 2	5-Apr-18	4	4		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	4	4		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<0.50	0.25		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	1	1		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	2	2		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	1	1		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	1	1		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	1	1		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	1	1		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	<0.50	0.25		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	3	3		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	2	2		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	4	4		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	6	6		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<0.50	0.25		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	4	4		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	14	14		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	2	2		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	3	3		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	3	3		TH8631	DUPW1	
	mg/L	SS5-3	7-Apr-18	5	5		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	3	3		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	2	2		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.50	0.25		TI9637	EBW	
Total Kjeldahl Nitrogen (TKN)	mg/L	CONTROL 1	8-Apr-18	0.313	0.313		TI9635	GW	
- (Calc)	mg/L	CONTROL 2	5-Apr-18	0.141	0.141		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0.162	0.162		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	0.061	0.061		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	0.061	0.061		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	0.174	0.174		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	0.199	0.199		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	0.207	0.207		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	0.182	0.182		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	0.143	0.143		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	0.12	0.12		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	0.18	0.18		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	0.049	0.049		TI4756	DUPW1	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Total Kjeldahl Nitrogen (TKN) - (Calc) *(cont'd)*	mg/L	SS3-4	8-Apr-18	0.076	0.076		TI4757	DUPW2	
	mg/L	SS3-5	8-Apr-18	0.083	0.083		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	0.114	0.114		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	0.111	0.111		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	0.113	0.113		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	0.185	0.185		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.184	0.184		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	0.153	0.153		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0.136	0.136		TH8632	DUPW2	
	mg/L	SS5-3	7-Apr-18	<0.20	0.1		TH8633	GW	
	mg/L	SS5-4	7-Apr-18	0.077	0.077		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.054	0.054		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	0.111	0.111		TI9637	EBW	
Total Suspended Solids (TSS)	mg/L	CONTROL 1	8-Apr-18	13.3	13.3		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	9.6	9.6		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	56.3	56.3		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<1.0	0.5		TI9638	GW	
	mg/L	SS BAG	16-Apr-18	<1.0	0.5		TI9638	EBW	
	mg/L	SS1-4	6-Apr-18	20.6	20.6		TI9627	GW	
	mg/L	SS1-5	6-Apr-18	31.5	31.5		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	18.4	18.4		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	15.2	15.2		TI9629	DUPW1	
	mg/L	SS2-2	4-Apr-18	45	45		TI9631	GW	
	mg/L	SS2-3	6-Apr-18	7.5	7.5		TI9632	GW	
	mg/L	SS2-4	6-Apr-18	3.7	3.7		TI9633	GW	
	mg/L	SS3-4	8-Apr-18	10.4	10.4		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	15.6	15.6		TI4756	DUPW1	
	mg/L	SS3-5	8-Apr-18	33	33		TI4758	GW	
	mg/L	SS3-6	8-Apr-18	70.6	70.6		TH8628	GW	
	mg/L	SS3-6	14-Apr-18	<1.0	0.5		TI9637	EBW	
	mg/L	SS3-7	8-Apr-18	27.7	27.7		TH8629	GW	
	mg/L	SS3-8	8-Apr-18	88.9	88.9		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	21	21		TI9634	GW	
	mg/L	SS4-5	5-Apr-18	16.8	16.8		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	13.7	13.7		TH8631	DUPW1	
	mg/L	SS5-3	7-Apr-18	67.3	67.3		TH8633	GW	RDL raised due to sample matrix interference.
	mg/L	SS5-4	7-Apr-18	67.7	67.7		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	14.5	14.5		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<1.0	0.5		TI9637	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Turbidity	NTU	CONTROL 1	8-Apr-18	1.6	1.6		TI9635	GW	
	NTU	CONTROL 2	5-Apr-18	3.42	3.42		TI9636	GW	
	NTU	CONTROL 3	7-Apr-18	11.6	11.6		TH8636	GW	
	NTU	SS BAG	16-Apr-18	0.43	0.43		TI9638	GW	
	NTU	SS BAG	16-Apr-18	0.43	0.43		TI9638	EBW	
	NTU	SS1-4	6-Apr-18	2.08	2.08		TI9627	GW	
	NTU	SS1-5	6-Apr-18	3.55	3.55		TI9628	GW	
	NTU	SS2-1	4-Apr-18	3.4	3.4		TI9630	DUPW2	
	NTU	SS2-1	4-Apr-18	2.48	2.48		TI9629	DUPW1	
	NTU	SS2-2	4-Apr-18	3.56	3.56		TI9631	GW	
	NTU	SS2-3	6-Apr-18	1.35	1.35		TI9632	GW	
	NTU	SS2-4	6-Apr-18	1.1	1.1		TI9633	GW	
	NTU	SS3-4	8-Apr-18	7.82	7.82		TI4756	DUPW1	
	NTU	SS3-4	8-Apr-18	4.15	4.15		TI4757	DUPW2	
	NTU	SS3-5	8-Apr-18	4.77	4.77		TI4758	GW	
	NTU	SS3-6	8-Apr-18	14.9	14.9		TH8628	GW	
	NTU	SS3-6	14-Apr-18	<0.10	0.05		TI9637	EBW	
	NTU	SS3-7	8-Apr-18	5.4	5.4		TH8629	GW	
	NTU	SS3-8	8-Apr-18	33.8	33.8		TH8630	GW	
	NTU	SS4-4	5-Apr-18	3.69	3.69		TI9634	GW	
	NTU	SS4-5	5-Apr-18	6.35	6.35		TH8631	DUPW1	
	NTU	SS4-5	5-Apr-18	6.6	6.6		TH8632	DUPW2	
	NTU	SS5-3	7-Apr-18	66.4	66.4		TH8633	GW	
	NTU	SS5-4	7-Apr-18	16.6	16.6		TH8634	GW	
	NTU	SS5-5	7-Apr-18	4.44	4.44		TH8635	GW	
	NTU	SS5-5	14-Apr-18	<0.10	0.05		TI9637	EBW	
Uranium (U) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0	0.0000831		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	0.0831	0.0831		TI9635	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.0000204		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.0204	0.0204		TI9636	GW	
	mg/L	CONTROL 3	7-Apr-18	0	0.0000318		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	0.0318	0.0318		TH8636	GW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000001		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000001		TI9638	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.0020	0.001		TI9638	EBW	
	ug/L	SS1-4	6-Apr-18	0.0109	0.0109		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.0000109		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0	0.00001		TI9628	GW	Automatically converted from value: ug/L to mg/L.

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Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Uranium (U) - Dissolved	ug/L	SS1-5	6-Apr-18	0.01	0.01		TI9628	GW	
(cont'd)	ug/L	SS2-1	4-Apr-18	0.0193	0.0193		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.0000193		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.0000195		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.0195	0.0195		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	0.0129	0.0129		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.0000129		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	0	0.0000104		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.0104	0.0104		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	0.0062	0.0062		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	0	0.0000062		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.0171	0.0171		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	0.0184	0.0184		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0	0.0000171		TI4756	DUPW1	Automatically converted from value: 0.0171 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0	0.0000184		TI4757	DUPW2	Automatically converted from value: 0.0184 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	0.0198	0.0198		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0	0.0000198		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	8-Apr-18	0	0.0000837		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.0837	0.0837		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	<0.0020	0.001		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000001		TI9637	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	0.0222	0.0222		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.0000222		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0	0.00016		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.16	0.16		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0	0.0000236		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.0236	0.0236		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	0.0295	0.0295		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	0.0302	0.0302		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.0000295		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.0000302		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.147	0.147		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.000147		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0	0.0000523		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	0.0523	0.0523		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0	0.0000061		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.0061	0.0061		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000001		TI9637	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0020	0.001		TI9637	EBW	

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Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Uranium (U) - Total	ug/L	CONTROL 1	8-Apr-18	0.101	0.101		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0	0.000101		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	0.0877	0.0877		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0	0.0000877		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 3	7-Apr-18	0	0.000364		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	0.364	0.364		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	0.0073	0.0073		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	0.0073	0.0073		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	0	0.0000073		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0	0.0000073		TI9638	EBW	Automatically converted from value: 0.0073 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.127	0.127		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.000127		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0	0.000152		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.152	0.152		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	0.0798	0.0798		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.000122		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0	0.0000798		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.122	0.122		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	0.115	0.115		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.000115		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.0283	0.0283		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0	0.0000283		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	0	0.0000125		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	0.0125	0.0125		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	0.0997	0.0997		TI4756	DUPW1	
	mg/L	SS3-4	8-Apr-18	0	0.0000997		TI4756	DUPW1	Automatically converted from value: 0.0997 ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.165	0.165		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0	0.000165		TI4757	DUPW2	Automatically converted from value: 0.165 ug/L to mg/L.
	mg/L	SS3-5	8-Apr-18	0	0.00018		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	0.18	0.18		TI4758	GW	
	ug/L	SS3-6	8-Apr-18	0.702	0.702		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.000702		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.0020	0.001		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000001		TI9637	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	0.352	0.352		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.000352		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	1.32	1.32		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0	0.00132		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.0964	0.0964		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0	0.0000964		TI9634	GW	Automatically converted from value: ug/L to mg/L.

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Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Uranium (U) - Total	ug/L	SS4-5	5-Apr-18	0.196	0.196		TH8631	DUPW1	
(cont'd)	ug/L	SS4-5	5-Apr-18	0.163	0.163		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.000163		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.000196		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	1.2	1.2		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.0012		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	0.736	0.736		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0	0.000736		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.11	0.11		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	0	0.00011		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00	0.000001		TI9637	EBW	Automatically converted from value: <0.0020 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.0020	0.001		TI9637	EBW	
Vanadium (V) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.000025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.050	0.025		TI9635	GW	
	ug/L	CONTROL 2	5-Apr-18	<0.050	0.025		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.000025		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 3	7-Apr-18	0	0.000144		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	0.144	0.144		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.050	0.025		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.000025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	<0.00	0.000025		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.050	0.025		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.050	0.025		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.000025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	<0.00	0.000025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.050	0.025		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	<0.050	0.025		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.000025		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	<0.00	0.000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.050	0.025		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.050	0.025		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.000025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.050	0.025		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.050	0.025		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000025		TI4757	DUPW2	Automatically converted from value: <0.050 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.000025		TI4756	DUPW1	Automatically converted from value: <0.050 ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Vanadium (V) - Dissolved	ug/L	SS3-5	8-Apr-18	<0.050	0.025		TI4758	GW	
(cont'd)	mg/L	SS3-5	8-Apr-18	<0.00	0.000025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	8-Apr-18	0	0.000186		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.186	0.186		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	0.138	0.138		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.000138		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	0	0.000565		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	0.565	0.565		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.000025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.050	0.025		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	0.098	0.098		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.050	0.025		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.000025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.000098		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.151	0.151		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.000151		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0	0.000126		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	0.126	0.126		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.000025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.050	0.025		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	
Vanadium (V) - Total	ug/L	CONTROL 1	8-Apr-18	0.3	0.3		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0	0.0003		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.20	0.1		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.0001		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 3	7-Apr-18	0	0.00075		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	0.75	0.75		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.7	0.7		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0	0.0007		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0	0.00108		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	1.08	1.08		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.20	0.1		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0	0.00033		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Vanadium (V) - Total	mg/L	SS2-1	4-Apr-18	<0.00	0.0001		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS2-1	4-Apr-18	0.33	0.33		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	0.44	0.44		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0	0.00044		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	<0.20	0.1		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	<0.00	0.0001		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	<0.00	0.0001		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.20	0.1		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<0.20	0.1		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	0.3	0.3		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0	0.0003		TI4757	DUPW2	Automatically converted from value: 0.30 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.0001		TI4756	DUPW1	Automatically converted from value: <0.20 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	0.21	0.21		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0	0.00021		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	1.85	1.85		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.00185		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	1	1		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.001		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	4.52	4.52		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0	0.00452		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.22	0.22		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0	0.00022		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.68	0.68		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	0.68	0.68		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.00068		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0	0.00068		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.87	0.87		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.00087		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	1.05	1.05		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0	0.00105		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.27	0.27		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	0	0.00027		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	
Zinc (Zn) - Dissolved	mg/L	CONTROL 1	8-Apr-18	0.00098	0.00098		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	0.98	0.98		TI9635	GW	
	ug/L	CONTROL 2	5-Apr-18	1.08	1.08		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0.00108	0.00108		TI9636	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Zinc (Zn) - Dissolved	mg/L	CONTROL 3	7-Apr-18	<0.00010	0.00005		TH8636	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	CONTROL 3	7-Apr-18	<0.10	0.05		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	0.44	0.44		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	0.44	0.44		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	0.00044	0.00044		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0.00044	0.00044		TI9638	EBW	Automatically converted from value: 0.44 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	0.45	0.45		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0.00045	0.00045		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	<0.00010	0.00005		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.10	0.05		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	0.75	0.75		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.00075	0.00075		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0.0007	0.0007		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	0.7	0.7		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	0.49	0.49		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0.00049	0.00049		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-3	6-Apr-18	0.00072	0.00072		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.72	0.72		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	0.72	0.72		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	0.00072	0.00072		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	0.11	0.11		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	0.17	0.17		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0.00011	0.00011		TI4756	DUPW1	Automatically converted from value: 0.11 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	0.00017	0.00017		TI4757	DUPW2	Automatically converted from value: 0.17 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	0.16	0.16		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0.00016	0.00016		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	8-Apr-18	<0.00010	0.00005		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.10	0.05		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	0.13	0.13		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	0.00013	0.00013		TI9637	EBW	Automatically converted from value: 0.13 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	<0.10	0.05		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	<0.00010	0.00005		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-8	8-Apr-18	<0.00010	0.00005		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	<0.10	0.05		TH8630	GW	
	mg/L	SS4-4	5-Apr-18	0.00027	0.00027		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	0.27	0.27		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	0.49	0.49		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	0.63	0.63		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.00063	0.00063		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0.00049	0.00049		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Zinc (Zn) - Dissolved	ug/L	SS5-3	7-Apr-18	<0.10	0.05		TH8633	GW	
(cont'd)	mg/L	SS5-3	7-Apr-18	<0.00010	0.00005		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	0.00025	0.00025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	0.25	0.25		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	0.00049	0.00049		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	0.49	0.49		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	0.00013	0.00013		TI9637	EBW	Automatically converted from value: 0.13 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	0.13	0.13		TI9637	EBW	
Zinc (Zn) - Total	ug/L	CONTROL 1	8-Apr-18	2.2	2.2		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	0.0022	0.0022		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	2	2		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	0.002	0.002		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 3	7-Apr-18	0.0026	0.0026		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	2.6	2.6		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	0.82	0.82		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	0.82	0.82		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	0.00082	0.00082		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	0.00082	0.00082		TI9638	EBW	Automatically converted from value: 0.82 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	2.2	2.2		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	0.0022	0.0022		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0.0031	0.0031		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	3.1	3.1		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	1.3	1.3		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	0.0016	0.0016		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-1	4-Apr-18	0.0013	0.0013		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	1.6	1.6		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	2	2		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	0.002	0.002		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	1.1	1.1		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0.0011	0.0011		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS2-4	6-Apr-18	<0.00100	0.0005		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<1.0	0.5		TI9633	GW	
	ug/L	SS3-4	8-Apr-18	<1.0	0.5		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	1.7	1.7		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	0.0017	0.0017		TI4757	DUPW2	Automatically converted from value: 1.7 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00100	0.0005		TI4756	DUPW1	Automatically converted from value: <1.0 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	1.2	1.2		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	0.0012	0.0012		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	4.8	4.8		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0.0048	0.0048		TH8628	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Zinc (Zn) - Total	ug/L	SS3-6	14-Apr-18	0.39	0.39		TI9637	EBW	
(cont'd)	mg/L	SS3-6	14-Apr-18	0.00039	0.00039		TI9637	EBW	Automatically converted from value: 0.39 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	2.8	2.8		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0.0028	0.0028		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	9.4	9.4		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0.0094	0.0094		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	1.4	1.4		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	0.0014	0.0014		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	2.6	2.6		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	2.7	2.7		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0.0026	0.0026		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	0.0027	0.0027		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	3	3		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0.003	0.003		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	3	3		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0.003	0.003		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	1.4	1.4		TH8635	GW	
	mg/L	SS5-5	7-Apr-18	0.0014	0.0014		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	0.00039	0.00039		TI9637	EBW	Automatically converted from value: 0.39 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	0.39	0.39		TI9637	EBW	
Zirconium (Zr) - Dissolved	mg/L	CONTROL 1	8-Apr-18	<0.00	0.000025		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 1	8-Apr-18	<0.050	0.025		TI9635	GW	
	ug/L	CONTROL 2	5-Apr-18	<0.050	0.025		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.000025		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 3	7-Apr-18	<0.00	0.000025		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	<0.050	0.025		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.050	0.025		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.000025		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	<0.00	0.000025		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	<0.050	0.025		TI9628	GW	
	ug/L	SS2-1	4-Apr-18	<0.050	0.025		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.000025		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.050	0.025		TI9630	DUPW2	
	mg/L	SS2-1	4-Apr-18	<0.00	0.000025		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-2	4-Apr-18	<0.050	0.025		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.000025		TI9631	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Zirconium (Zr) - Dissolved	mg/L	SS2-3	6-Apr-18	<0.00	0.000025		TI9632	GW	Automatically converted from value: ug/L to mg/L.
(cont'd)	ug/L	SS2-3	6-Apr-18	<0.050	0.025		TI9632	GW	
	ug/L	SS2-4	6-Apr-18	<0.050	0.025		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.000025		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.050	0.025		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.050	0.025		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.000025		TI4757	DUPW2	Automatically converted from value: <0.050 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.000025		TI4756	DUPW1	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.050	0.025		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	<0.00	0.000025		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS3-6	8-Apr-18	<0.00	0.000025		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	<0.050	0.025		TH8628	GW	
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	mg/L	SS3-7	8-Apr-18	<0.00	0.000025		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	<0.050	0.025		TH8629	GW	
	ug/L	SS3-8	8-Apr-18	<0.050	0.025		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	<0.00	0.000025		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.050	0.025		TI9634	GW	
	mg/L	SS4-4	5-Apr-18	<0.00	0.000025		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	<0.050	0.025		TH8631	DUPW1	
	ug/L	SS4-5	5-Apr-18	<0.050	0.025		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	<0.00	0.000025		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-5	5-Apr-18	<0.00	0.000025		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	<0.050	0.025		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	<0.00	0.000025		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-4	7-Apr-18	<0.00	0.000025		TH8634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	<0.050	0.025		TH8634	GW	
	mg/L	SS5-5	7-Apr-18	<0.00	0.000025		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-5	7-Apr-18	<0.050	0.025		TH8635	GW	
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	
Zirconium (Zr) - Total	ug/L	CONTROL 1	8-Apr-18	<0.10	0.05		TI9635	GW	
	mg/L	CONTROL 1	8-Apr-18	<0.00	0.00005		TI9635	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 2	5-Apr-18	<0.10	0.05		TI9636	GW	
	mg/L	CONTROL 2	5-Apr-18	<0.00	0.00005		TI9636	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	CONTROL 3	7-Apr-18	0	0.00026		TH8636	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	CONTROL 3	7-Apr-18	0.26	0.26		TH8636	GW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	GW	
	ug/L	SS BAG	16-Apr-18	<0.050	0.025		TI9638	EBW	

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Zirconium (Zr) - Total	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
(cont'd)	mg/L	SS BAG	16-Apr-18	<0.00	0.000025		TI9638	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-4	6-Apr-18	<0.10	0.05		TI9627	GW	
	mg/L	SS1-4	6-Apr-18	<0.00	0.00005		TI9627	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS1-5	6-Apr-18	0	0.00015		TI9628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS1-5	6-Apr-18	0.15	0.15		TI9628	GW	
	mg/L	SS2-1	4-Apr-18	<0.00	0.00005		TI9629	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.10	0.05		TI9629	DUPW1	
	mg/L	SS2-1	4-Apr-18	<0.00	0.00005		TI9630	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-1	4-Apr-18	<0.10	0.05		TI9630	DUPW2	
	ug/L	SS2-2	4-Apr-18	<0.10	0.05		TI9631	GW	
	mg/L	SS2-2	4-Apr-18	<0.00	0.00005		TI9631	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-3	6-Apr-18	0.43	0.43		TI9632	GW	
	mg/L	SS2-3	6-Apr-18	0	0.00043		TI9632	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS2-4	6-Apr-18	<0.10	0.05		TI9633	GW	
	mg/L	SS2-4	6-Apr-18	<0.00	0.00005		TI9633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-4	8-Apr-18	<0.10	0.05		TI4756	DUPW1	
	ug/L	SS3-4	8-Apr-18	<0.10	0.05		TI4757	DUPW2	
	mg/L	SS3-4	8-Apr-18	<0.00	0.00005		TI4757	DUPW2	Automatically converted from value: <0.10 ug/L to mg/L.
	mg/L	SS3-4	8-Apr-18	<0.00	0.00005		TI4756	DUPW1	Automatically converted from value: <0.10 ug/L to mg/L.
	ug/L	SS3-5	8-Apr-18	<0.10	0.05		TI4758	GW	
	mg/L	SS3-5	8-Apr-18	<0.00	0.00005		TI4758	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	8-Apr-18	0.4	0.4		TH8628	GW	
	mg/L	SS3-6	8-Apr-18	0	0.0004		TH8628	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-6	14-Apr-18	<0.050	0.025		TI9637	EBW	
	mg/L	SS3-6	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS3-7	8-Apr-18	0.37	0.37		TH8629	GW	
	mg/L	SS3-7	8-Apr-18	0	0.00037		TH8629	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS3-8	8-Apr-18	1.53	1.53		TH8630	GW	
	mg/L	SS3-8	8-Apr-18	0	0.00153		TH8630	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS4-4	5-Apr-18	<0.00	0.00005		TI9634	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-4	5-Apr-18	<0.10	0.05		TI9634	GW	
	ug/L	SS4-5	5-Apr-18	0.12	0.12		TH8631	DUPW1	
	mg/L	SS4-5	5-Apr-18	0	0.00012		TH8631	DUPW1	Automatically converted from value: ug/L to mg/L.
	ug/L	SS4-5	5-Apr-18	0.13	0.13		TH8632	DUPW2	
	mg/L	SS4-5	5-Apr-18	0	0.00013		TH8632	DUPW2	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-3	7-Apr-18	0.24	0.24		TH8633	GW	
	mg/L	SS5-3	7-Apr-18	0	0.00024		TH8633	GW	Automatically converted from value: ug/L to mg/L.
	ug/L	SS5-4	7-Apr-18	0.28	0.28		TH8634	GW	
	mg/L	SS5-4	7-Apr-18	0	0.00028		TH8634	GW	Automatically converted from value: ug/L to mg/L.

Appendix D: Snow Water Chemistry Analytical Results

Parameter	Unit	Site	Date	Data Point	Graphable Value	RDL	Lab Ref	Sample Type	Comment
Zirconium (Zr) - Total	ug/L	SS5-5	7-Apr-18	<0.10	0.05		TH8635	GW	
(cont'd)	mg/L	SS5-5	7-Apr-18	<0.00	0.00005		TH8635	GW	Automatically converted from value: ug/L to mg/L.
	mg/L	SS5-5	14-Apr-18	<0.00	0.000025		TI9637	EBW	Automatically converted from value: <0.050 ug/L to mg/L.
	ug/L	SS5-5	14-Apr-18	<0.050	0.025		TI9637	EBW	

APPENDIX E DUST GAUGE COLLECTION STANDARD OPERATING PROCEDURE (ENVR-508-0112)

RioTinto

Environment STANDARD OPERATING PROCEDURE			
Area No.:	**8000**	**Document #:**	**ENVR-508-0112**
		Revision:	**5**
Task Title:	**SOP – Dust Gauge Collection**		
Next Review:	**1 Year from Final Approval in Documentum**		
Effective Date:	**Date on approved stamp in footer.**		

1 REFERENCES/RELATED DOCUMENTS

1.1 ENVI-403-0112 - SOP Total Suspended Solids - Located in: Diavik Intranet - SOPs – Environment Folder

1.2 ENVR-301-0112 – SOP General Laboratory Safety - Located in: Diavik Intranet – SOPs – Environment Folder

1.3 ENVR-605-0112 - SOP Snowmobiles – Located in: P:\DDMI Environment\10.0 Operational Control\10.1 SOPs\Working SOPs

1.4 ENVR-602-0112 - SOP Watercraft – Located in: P:\DDMI Environment\10.0 Operational Control\10.1 SOPs\Working SOPs

1.5 ENVR-501-0112 - SOP Remote Field Safety – Located in: P:\DDMI Environment\10.0 Operational Control\10.1 SOPs\Working SOPs

1.6 ENVI-101-0813 - SOP Lightning Response – Located in: P:\DDMI Environment\10.0 Operational Control\10.1 SOPs\Working SOPs

1.7 ENVR-601-0112 – SOP Helicopter - Located in: P:\DDMI Environment\10.0 Operational Control\10.1 SOPs\Working SOPs

1.8 ENVI-135-0112 - Remote Field Safety Permit Form – Located in: P:\DDMI Environment\10.0 Operational Control\10.2 Forms\Current Forms\Approved\Remote Field Safety Plans

1.9 ENVI-178-0312 - Dust Gauge Collection Field Sheet – Located in: P:\DDMI Environment\10.0 Operational Control\10.2 Forms\Current Forms\Approved

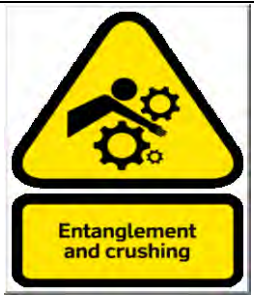
Revision History			
Revision	**Revision Description**	**Date of Revision**	**Author**
0	Initial Release	11-Jan-12	D. Meredith
1	New SOP format, Clarify procedures, adds photos.	23-Nov-14	D. Dul/ D. Bourassa
2	Format update	19-Jul-15	D. Birch
3	Annual Update	10-Feb-2016	S. Sinclair
4	New Template, clarification of representative sampling, decrease in oven temperature to be consistent with Standard Methods	04-Nov-16/10-Nov-16	S. Martin-Elson/N. Goodman

5	Template and area manager updated	20-Oct-2017	S. Skinner

Authorized Electronically in Documentum By:	
Area Superintendent:	D. Wells
Area Manager:	J. Kozian

Environment
STANDARD OPERATING PROCEDURE
SOP – Dust Gauge Collection

CRITICAL RISKS ARE HIGHLIGHTED IN GREY

Please click on the CRM Risks that are applicable for this SOP			
			
			
			
			

Dust Gauge Site 5 in the Summer

Dust Gauge Site 7 in the Winter

Dust Gauge Tubes in the Field Lab

Description

This Standard Operating Procedure (SOP) provides guidelines on procedures to follow when carrying out Dust Gauge Collections.

2 PURPOSE

The purpose of this Standard Operating Procedure is to outline the methodology for collecting dust gauges. This program is aimed at understanding dust deposition rates associated with project activities. Results collected from this program are compiled and placed in the Appendix of the annual AEMP report.

3 SCOPE

3.1 Scope of Procedure

This standard operating procedure (SOP) describes the responsibilities and processes for the deployment, collection and analysis of Dust Gauge Samples. These procedures apply to all Diavik Mine personnel and contractor personnel authorized for sample collection activities.

3.2 Scope of Activities

Twelve dust gauges (10 sample sites, plus 2 control sites) are established on and around East Island for monitoring airborne dust particles. The dust gauges are collected quarterly throughout the year.

4 DEFINITIONS

Definitions							
PPE	✓	GPS	✓	DO	✗	NTU	✗
MSDS	✗	SOP	✓	DI Water	✓	ELT	✗
Problem Bear	✓	JHA	✓	AEMP	✓	WLWB	✗
QA	✗	Groundwater	✗	COC	✓	PAL	✗
QC	✗	Seepage	✗	WHMIS	✗	ACTS	✗
Remote Work	✓	SNP	✗	TSS	✓	PROVE	✗
TSP							

See: ENVI-443-0415 - Environment Term Definitions - Located in: Diavik Intranet – SOPs – Environment Folder

5 RESPONSIBILITIES

See: ENVI-444-0415 - Environment Roles and Responsibilities - Located in: Diavik Intranet – SOPs – Environment Folder

6 PROCEDURE

6.1 Key HSEQ Aspects

Task Hazards							
Slip, Trip, Fall	✓	Chemical Contact	✗	Rotating Parts	✓	Uneven Terrain / Ground	✓
Sprain / Strain	✓	Fall into Water	✓	Firearms / Deterrents	✓	Perception	✓
Working Remotely	✓	Overhead Objects	✗	Dehydration	✓	Risk to Wildlife	✓
Aircraft	✓	Visibility	✓	Ergonomics	✗	Unfamiliar Area	✗
Watercraft Operation	✓	Fire	✗	Glass	✓	Falling	✗
Snowmobile Operation	✓	Line of Fire	✓	Fumes / Gases	✗	Confined Space	✗
Light Vehicle	✓	Cuts Scrapes	✓	Entanglement	✗	Heavy Equipment	✓
Lifting	✓	Pinch Points	✓	Stored Energy	✓	Extreme Weather	✓
Manual Labour	✓	Noise	✓	Burns	✓	Electrical	✗
Wildlife	✓	Spills	✓	Equipment Loss or Damage	✓	Sample Loss or Damage	✓

See: ENVI-445-0415 - Environment Hazard Definitions - Located in: Diavik Intranet – SOPs – Environment Folder

6.2 CRM Critical Risks

Critical Risk	Critical Control
Drowning	PFD
Vehicle collision or rollover	Seat Belt, Defensive driving, Segregation
Vehicle impact on person	Seat Belt, Defensive driving/walking, Segregation

Wildlife	Scans
Aircraft transport	PPE

6.3 Tools Required

Supplies, Tools and Equipment			
Tool / Equipment	**Quantity**	**Supplies**	**Quantity**
Snowmobile(2), Boat or Helicopter	**1**	**Winter/Summer/Boat Survival Gear (Set)**	**1**
GPS/ Loaded Coordinates	**2**	**Spare Batteries**	**4**
Satellite Phone	**1**	**Personal Gear (per person)**	**1**
Spot (per snowmobile)	**1**	**Wildlife Deterrents (air horn/banger kit)**	**1**
Camera (per person)	**1**	**Field Permit and Map**	**1**
Radio with spare battery (per person)	**1**	**Adjustable Wrench's**	**1**
Forceps, Pliers, Leatherman or Tweezers	**1**	**Field Sheets**	**14**
Clean Replacement Sample Tubes	**6**	**Pencils, Pens or Markers**	**2**
Glass Beakers (1000 mL)	**6**	**Large/Clear/Heavy-duty Plastic Bags or Gloves**	**6**
High Temp Oven	**1**	**TSS Filters**	**12 - 36**
Fire Proof Gloves/Tongs	**1**	**Duct Tape**	**12 - 36**
Vice Grips	**1**		

6.4 Procedural Steps

6.4..1 Pre-Deployment

Spare tubes are stored in the Environment field lab Shelf B3. **Tubes needs to be cleaned and checked for leaks**. To clean and check for leaks fill spare tubes with water and leave overnight on counter in Environment Lab. If leaks are discovered tag out and make arrangements with truck shop to have them fixed.

6.4..2 Sample Collection and Deployment

Depending on location and season samples are collected using various methods of transportation; you can walk, drive, boat, snowmobile or use a helicopter to access the various

sites. When using a Helicopter, a Hot Loading Variance is permitted (a JHA must be completed and signed off by OHSE Manager). The map in Figure 1 provides the Dust Gauges locations, and Table 1 provides the coordinates.

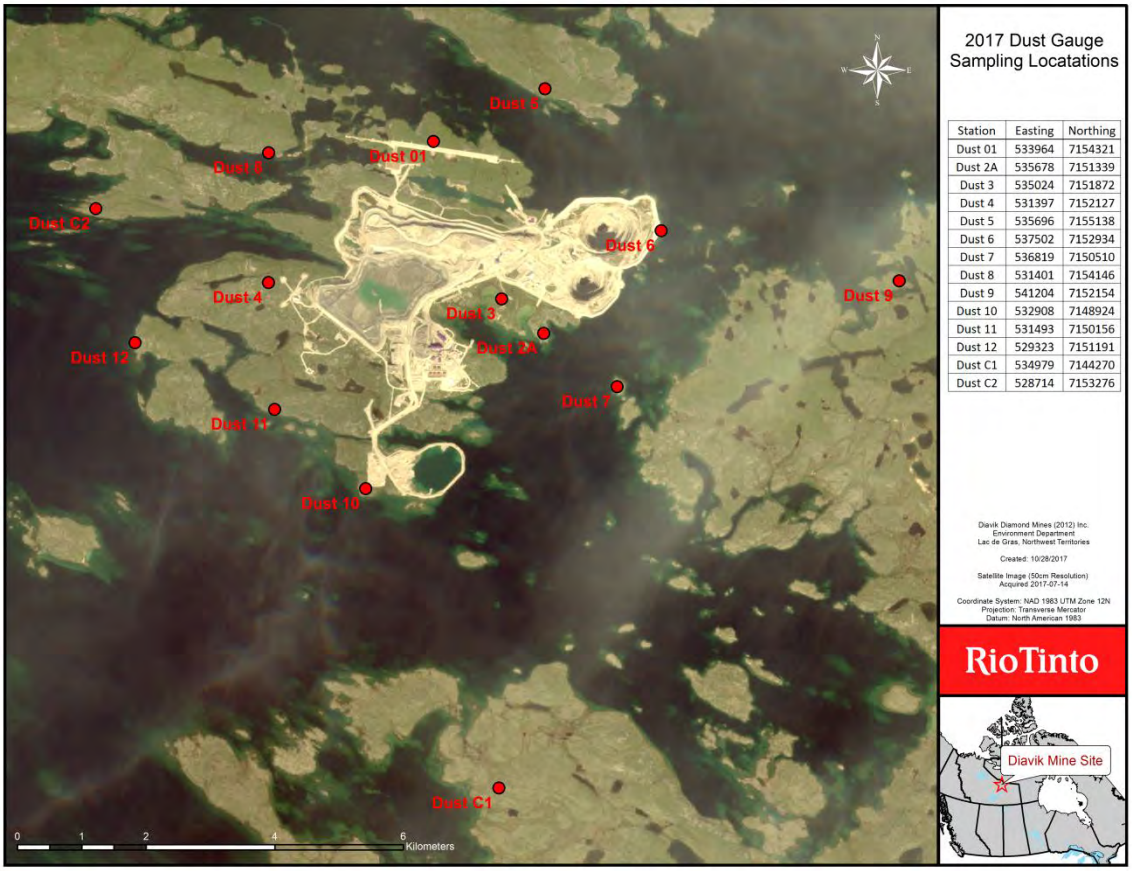


Figure 1: Map: Identifying Dust Gauge Sites

Table 1.0 below provides the coordinates for each Dust Gauge Site

STATION	EASTING	NORTHING		STATION	EASTING	NORTHING
Dust 01	533964	7154321		**Dust 8**	531401	7154146
Dust 2A	535678	7151339		**Dust 9**	541204	7152154
Dust 3	535024	7151872		**Dust 10**	532908	7148924
Dust 4	531397	7152127		**Dust 11**	531493	7150156
Dust 5	535696	7155138		**Dust 12**	529323	7151191
Dust 6	537502	7152934		**Dust C1**	534979	7144270
Dust 7	536819	7150510		**Dust C2**	528714	7153276

- When you arrive at the sample location, first inspect the station for damage (fiberglass tube on ground, station on angle etc.) and document anything noted on the Dust Gauge Collection Field Sheet - ENVI-178-0312.

- Carefully remove the copper tube out from the center of the fiberglass shield, keeping it upright. If the tube is stuck or frozen, try wiggling it, or tapping it near the bottom. If the tube is still stuck you may need extra leverage to free the tube and may if absolutely necessary use vice grips to grab the top and wiggle while pulling up. If it will not come free, you may have to remove the shield and pop the tube out. Be sure to replace the shield and insert a new tube afterwards. See photo 1 & 2 below

.

Photo 1: Tube Retrieval

Photo 2: Fiberglass Shield Removed

- Once retrieved, keep the tube upright, place an extra-large latex glove over top of tube and seal with clean plastic bag and duct tape. Ensure tube is labelled with the station

number, date and time collected. Keep the tube upright and secure at all times during transport. See photo 3 below.

- Place a clean, leak tested tube into the fiberglass shield (the tube should be labelled with the Dust Gauge Site, deployment date and time). Note that tubes need to be *upright and secure in the base rims* in order for the sample to be considered representative. Some of the base rims are bent and the tubes will not seat in them properly. When this is the case, place rocks around the tube within the fiberglass shell to ensure that tube will stay upright.

Photo 3: Sealing the Tube

6.4..3 Sample Analysis

- Once back in the Environment Lab, carefully transfer sample into a triple rinsed 1000ml glass beaker. Extract all debris including bugs and twigs and be sure to triple rinse them into the beaker to capture all the dust particles. Rinse the copper tube with DI water until all dust particles are removed. Record the total volume of water on the Dust Gauge Collection Field Sheet- ENVI-178-0312. If snow is present stand up the sample tube in a clean plastic bag (prevents sample loss if there is a leak) and allow samples to melt before conducting the above procedure.

- Cover the 1000ml beaker with parafilm and store the sample in the fridge until samples can be analysed for Total Suspended Solids (ENVI-403-0112). This should be conducted as soon as possible because some solids may dissolve in water, especially after snow melt. Note that it may take multiple filters to complete one sample.

- The resulting filter(s) with the dust particles are put into ceramic crucibles; ensure that you record the sample id on the crucibles **in pencil** before putting them into the oven. (1 filter per crucible) See photo 4 below.

Photo 4: Ceramic Crucibles with filter

- The high temperature oven is set up in the fume hood with the fan running. Heavy-duty fire-proof gloves and long tongs are used when placing or removing the crucibles from the oven. Filters are processed in the oven at 550 degrees Celsius for one hour. Allow oven to heat up to temperature before use. See photo 5 & photo 6 below.

Photo 5: High Heat Oven

Photo 6: Fire Proof Glove and Long Tongs

- When samples are removed from the oven, place the crucibles into their original labeled tin tray. Let the sample cool for at least 10 minutes before carefully removing the filters from their ceramic crucible using tweezers. Add any dust that has fallen off into the crucible to the top of the filter. Place the tin tray into the desiccator and allow the sample to cool further for a minimum of one hour.

- Remove the tin tray from the desiccator and weigh the filter according to the procedure outlined in the Total Suspended Solids SOP ENVI-403-0112.

- Record the results on the Dust Gauge Data Form (ENVI-178-0312) and in 13.14 Annual Dust Gauge Collection excel file in the P-Drive in for the given year.

- The dust fall deposition rate is determined using the equation below:

Daily Dust fall Deposition (mg/dm$_2$/d) = (TP (mg) / SA (dm$_2$)) / TDD (d)

Where:
TP (mg) = Total Particulate
SA (dm$_2$) = Surface Area of Dust Gauge Collection Tube = (3.14*(6.25*6.25))*(100)
TDD = Total Days Gauge was Deployed

Calculations are setup in the excel file. If you have any questions about entering this data contact your supervisor.

7 QUALITY OUTCOMES AND EXPECTATIONS

7.1 To safely complete the tasks outlined in this SOP, without incident.

7.2 Produce quality, accurate and repeatable results.

APPENDIX F SNOW CORE SURVEY STANDARD OPERATING PROCEDURE (ENVR-512-0213)

RioTinto

Environment STANDARD OPERATING PROCEDURE			
Area No.:	**8000**	**Document #:**	**ENVR-512-0213**
		Revision:	**5**
Task Title:	**Snow Core Survey**		
Next Review:	**1 Year from Final Approval in Documentum**		
Effective Date:	**Date on approved stamp in footer.**		

1 REFERENCES/RELATED DOCUMENTS

1.1 ENVR-501-0112 – SOP Remote Field Safety - Located in: P:\DDMI Environment\10.0 Operational Control\10.1 SOPs\Working SOPs

1.2 ENVR-605-0112 - SOP Snowmobile - Located in: P:\DDMI Environment\10.0 Operational Control\10.1 SOPs\Working SOPs

1.3 ENVR-301-0112 - SOP General Laboratory Safety - Located in: Diavik Intranet – SOPs – Environment Folder

1.4 ENVR-303-0112 - SOP Quality Assurance and Quality Control - Located in: P:\DDMI Environment\10.0 Operational Control\10.1 SOPs\Working SOPs

1.5 ENVR-206-0112 - SOP Chain of Custody and Sample Shipment - Located in: Diavik Intranet – SOPs – Environment Folder

1.6 ENVR-403-0112 - SOP Total Suspended Solids Analysis - Located in: Diavik Intranet – SOPs – Environment Folder

1.7 ENVI-601-0916- Snowmobile Pre-Op Inspection - Located in: P:\DDMI Environment\10.0 Operational Control\10.2 Forms\Current Forms\Approved\Check Sheets

1.8 ENVI-135-0112 – Remote Field Safety Permit - Located in: P:\DDMI Environment\10.0 Operational Control\10.2 Forms\Current Forms\Approved\Remote Field Safety Plans

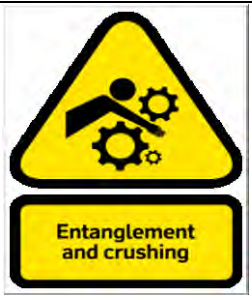
1.9 ENVI-177-0312 – Snow Sampling Field Sheet - Located in: P:\DDMI Environment\10.0 Operational Control\10.2 Forms\Current Forms\Approved\Water Quality Forms

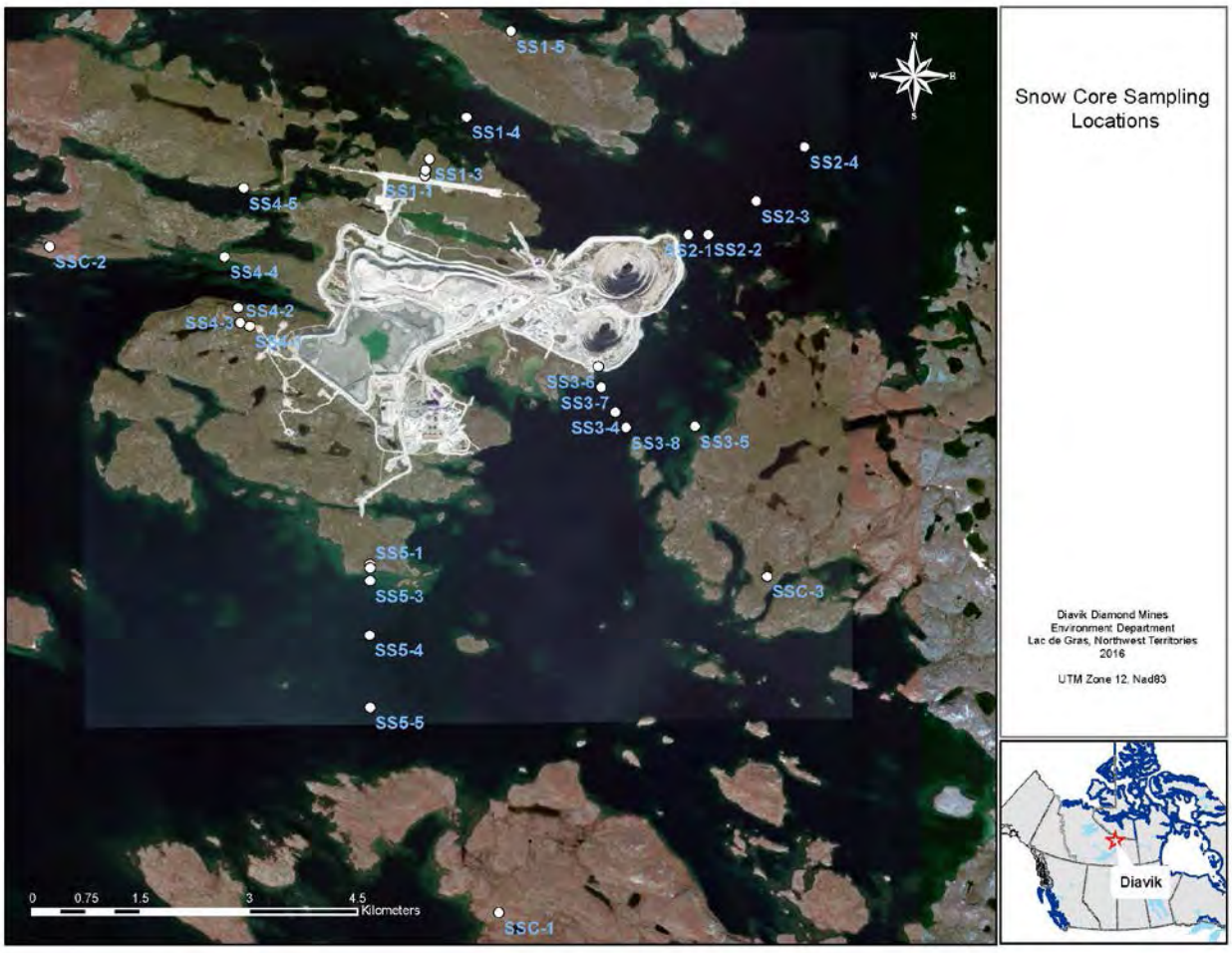
Revision History			
Revision	**Revision Description**	**Date of Revision**	**Author**
0	Original Issue	08-FEB-2012	D. Grabke
1	Updated Map for 2014, added SS3-6, SS3-7, SS3-8 sample points, updated to new environment SOP format	8-Apr-2014	D. Grabke
2	Format update	19-Jul-15	D. Birch
3	Format update	06-Dec-15	G.Reid
4	Format update	06-Nov-16	S. Martin-Elson
5	Format and area manager updated	20-Oct-2017	S. Skinner

Environment
STANDARD OPERATING PROCEDURE
Snow Core Survey

Authorized Electronically in Documentum By:	
Area Superintendent:	D. Wells
Area Manager:	J. Kozian

CRITICAL RISKS ARE HIGHLIGHTED IN GREY

Please click on the CRM Risks that are applicable for this SOP			
			
			
			
			



Snow Survey Sample Program Map

Description

Snow sampling at the Diavik Diamond Mine consists of snow core sampling to monitor dust deposition rates relative to predictions outlined in the DDMI Environmental Effects Report (1998), and snow water quality sampling in support of the DDMI Aquatic Effects Monitoring Program (AEMP).

2 PURPOSE

The purpose of this guide is to promote efficient and accurate snow surveying and to establish uniform sampling procedures.

3 SCOPE

3.1 Scope of Procedure

This standard operating procedure (SOP) describes the responsibilities and processes for collecting, documenting, and processing snow samples from at the Diavik mine site a surrounding Lac de Gras area (during ice cover). This procedure applies to all Diavik Diamond Mines personnel and contractor personnel authorized to collect samples under the current years Aurora Research Institute – Aquatic Effects Monitoring Program (AEMP) Research Permit.

3.2 Scope of Activities

This procedure has been developed to be consistent with the requirements of the AEMP design document and Environmental Effects Monitoring.

4 DEFINITIONS

Definitions							
PPE	✓	GPS	✓	DO	✗	NTU	✓
MSDS	✓	SOP	✓	DI Water	✓	ELT	✗
Problem Bear	✗	JHA	✓	AEMP	✗	WLWB	✗
QA	✗	Groundwater	✗	COC	✓	PAL	✗
QC	✓	Seepage	✗	WHMIS	✓	ACTS	✗
Remote Work	✓	SNP	✗	TSS	✓	PROVE	✗
TSP	✗						

See: ENVI-443-0415 - Environment Term Definitions - Located in: Diavik Intranet – SOPs – Environment Folder

5 RESPONSIBILITIES

See: **ENVI-444-0415 - Environment Roles and Responsibilities** - Located in: Diavik Intranet – SOPs – Environment Folder

6 PROCEDURE

6.1 Key HSEQ Aspects

Task Hazards							
Slip, Trip, Fall	✓	Chemical Contact	✓	Rotating Parts	✓	Uneven Terrain / Ground	✓
Sprain / Strain	✓	Fall into Water	✓	Firearms / Deterrents	✗	Perception	✓
Working Remotely	✓	Overhead Objects	✗	Dehydration	✓	Risk to Wildlife	✓
Aircraft	✗	Visibility	✓	Ergonomics	✓	Unfamiliar Area	✓
Watercraft Operation	✗	Fire	✓	Glass	✗	Falling	✓
Snowmobile Operation	✓	Line of Fire	✓	Fumes / Gases	✓	Confined Space	✓
Light Vehicle	✓	Cuts Scrapes	✓	Entanglement	✓	Heavy Equipment	✗
Lifting	✗	Pinch Points	✓	Stored Energy	✓	Extreme Weather	✓
Manual Labour	✓	Noise	✗	Burns	✓	Electrical	✗
Wildlife	✓	Spills	✓	Equipment Loss or Damage	✓	Sample Loss or Damage	✓

See: ENVI-445-0415 - Environment Hazard Definitions - Located in: Diavik Intranet – SOPs – Environment Folder

6.2 CRM Critical Risks

Critical Risk	Critical Control
Wildlife	Scans
Vehicle collision or rollover	Seatbelt, Segregation, Defensive Driving
Vehicle impact on person	Seatbelt, Segregation, Defensive Driving/Walking
Drowning	PFD
Exposure to hazardous substances	PPE
Fall from height	Stay away from edges

6.3 Tools Required

Supplies, Tools and Equipment			
Tool / Equipment	**Quantity**	**Supplies**	**Quantity**
Snow Corer & Handles	**1**	**Snow Survey Map**	**2**
Transport Case	**1**	**GPS & Waypoints**	**2**
Weighing Scale & Cradle	**1**	**Satellite Phone**	**1**
Sample Collection Bags & Zip Ties	**20**	**Spot Personal Locator**	**2**
Black Permanent Marker	**2**	**Survival Kit**	**1**
Field Data Sheets (Pens/Pencils) & Clipboard	**10**	**Ice Rescue Kit**	**2**
Snowmobile	**1**	**Radio and Spare Battery**	**2**
Toboggan	**1**	**Coolers**	**5**
Camera	**1**		

6.4 Procedural Steps

6.4..1 Planning

6.4..1.1 Program Management

The sampling snow survey will be completed annually in April. The survey design consists of 27 sample stations, including 3 control areas established along 5 transect lines originating from East Island and extending onto Lac de Gras.

Table 1 - Snowcore Sampling Locations

Transect Line	Station	UTM E (NAD 83)	UTM W (NAD 83)	Description
1	SS1-1	533911	7154288	Land
	SS1-2	533924	7154367	Land
	SS1-3	533966	7154517	Land
	SS1-4	534485	7155094	Ice
	SS1-5	535099	7156279	Ice
2	SS2-1	537553	7153473	Ice
	SS2-2	537829	7153476	Ice
	SS2-3	538484	7153939	Ice
	SS2-4	539151	7154685	Ice
3	SS3-4	536585	7151002	Ice
	SS3-5	537623	7150817	Ice
	SS3-6	536305	7151564	Ice
	SS3-7	536344	7151366	Ice
	SS3-8	536688	7150810	Ice
4	SS4-1	531491	7152211	Land
	SS4-2	531356	7152261	Land
	SS4-3	531331	7152434	Land
	SS4-4	531141	7153167	Ice
	SS4-5	531405	7154116	Ice
5	SS5-1	533150	7148925	Land
	SS5-2	533150	7148875	Land
	SS5-3	533150	7148700	Ice
	SS5-4	533150	7147950	Ice
	SS5-5	533150	7146950	Ice
	Control 1	534983	7144271	Land
	Control 2	528714	7153281	Land
	Control 3	538650	7148750	Land

6.4..1.2 Sampling Requirements – Dust Deposition

Dust deposition will be measured in-house using standard DDMI Total Suspended Solids laboratory procedures ENVR-403-0112. To facilitate this analysis, a composite sample comprised of a minimum of 3 snow cores will be collected at **ALL** (land and Ice) of the snow sampling stations. Water content must add up to a minimum 25 SWE for there to be sufficient water for analysis.

6.4..1.3 Sampling Requirements – Snow Water Quality

Snow water quality samples are required for all sample stations on Lac de Gras identified as **on-ice** locations, as well as at the **three control** areas Table 1 - Snowcore Sampling Locations. Snow chemistry analysis will be conducted by Maxxam Analytics. To facilitate the required analysis Table 2- Snow Water Quality Sample Requirements, a composite sample comprised of a minimum of 3 snow cores with a water Content (SWE) of at least 100 will be collected at all of the snow water quality stations.

Table 2- Snow Water Quality Sample Requirements

Bottle Filling Sequence	Maxxam Bottle	Analysis	Minimum Volume of Sample Required (ml)	Preservative
1	Metals	Total ICP Metals (Ultra Low)	60mL Falcon Tube	1ml Nitric Acid – HNO_3
2	Mercury	Total	40mL Glass Vial	1 ml Hydrochloric Acid - HCL
3	Nutrients	Ammonia	120mL HDPE	1 ml Sulfuric Acid
4	Routine	Sulfates, Nitrates, and Nitrites	1000mL HDPE	None Required
5	TSS, Turbidity & pH (Routine, 2nd Bottle)	TSS, Turbidity & pH	1000mL HDPE	None Required
Total Sample Volume Required			2220ml + 30% Triple Rinse	**3000ml = 100SWE**

Determining anticipated sample volume from Snow Water Equivalent (SWE)
Sample Water (ml) = SWE (cm) x 30(cm^2)
3000ml /30cm^2 = SWE = 100cm SWE

Therefore the aggregate Water Content SWE collected at a sample site must add up to at least 100 to ensure sufficient volume for water quality analysis.

6.4..2 Quality Assurance and Quality Control

Quality Control will be achieved through the use of duplicate and blank samples.

- Duplicate samples will be collected for a minimum 10% of the total samples (both Dust and Water Quality).
- At least **two** duplicate samples for the **dust** deposition samples
- At least **two** duplicate samples for the **water quality** samples
- One **equipment blank** will be collected and processed by Maxxam for water quality chemical analysis and internally for TSS. Maxxam DI water batch number will be

recorded on the field sheet. Equipment blanks will be completed from a single batch of DI water. Ensure that information from the DI water is recorded on the field sheet. Batch ID and Expiry date.

Quality assurance will be achieved via the following processes;

- Field data sheets will be utilized to document any and all observations, or occurrences that may impact the integrity of the samples, as well as corrective actions implemented to deal with those occurrences.
- If a sample becomes compromised, it will be recorded on the field data sheet, the sample will be discarded and a new sample collected.
- Individuals collecting the samples will take precautions to eliminate sample contamination during handling. Avoid touching insides of sample bags, avoid contacting the snow samples with anything other than the sampling corer.

Steps will be taken prior to, during, and after sampling to ensure all samples are correctly labeled with the sample date, sample ID, and sample type.

6.4..3 Equipment Inspection & Preparation

Prior to commencing the sampling program, inspect all sampling equipment for fouling, contamination, or damage. All of the polyacrylic tubes that will be utilized will be rinsed with a 10% Nitric Acid solution to ensure they are clean prior to the initiation of the program.

Snow Corer – Inspect the core tube to ensure measurement etchings are legible. Check the cutting edge to ensure blade is not deformed or damaged. Inspect the handles and threads to ensure they will assemble and disassemble without binding. Ensure the corer has been de-contaminated (acid rinsed) prior to commencing the program.

Weighing Scale and Cradle – Inspect the scale and cradle for deformity or damage

Snowmobiles – Inspection and use of snowmobiles will be in accordance with ENVR-603-0112

Communication – Inspect all communication equipment (Radios/Sat Phones, Spot Personal Locator) to ensure they are operational and functional. Ensure batteries (including spares) are fully charged. Ensure check-in times and procedures are clearly identified on the Field Work Permit.

Navigation – Inspect GPS and spare batteries to ensure equipment is functioning correctly. Verify that all sample locations are present and correct, and that the GPS Essentials file is loaded. Ensure an appropriate map is present to allow navigation back to site should the GPS fail.

Personnel Gear – In addition to winter survival equipment, each individual participating in off-site activities is expected to carry appropriate personal gear and equipment as is deemed necessary for the individual well being in an emergency situation.

Survival Kit – Inspect survival kit and Ice Rescue kits to ensure that they are complete and all items are functional and ready for use.

Misc – Individual core samples will be compiled into plastic bags (soil sampling bags) and sealed with zip-ties until they are ready for processing. Prior to the program commencing bags must be inspected to ensure they are new and clean.

6.4..4 Sample Collection

Navigate to the sampling locations – If the sample point falls on or immediately adjacent to the winter road adjusts your location to the nearest area with natural snow coverage (i.e. not impacted by the road or snow clearing).

Assemble the corer by threading the handles onto the tube, and re-inspect the snow corer for fouling and/or damage that may have occurred during transportation.

Fill in station location and weather information on the field data sheet. Identify snow conditions and dust observations in the comments section.

Prior to collecting a sample re-inspect the tube to check for cleanliness.

- **Take the weight of the empty snowcorer at each station prior to collecting any samples.**
- **For all station requiring snow water chemistry, collect the dust sample first – this will effectively rinse the corer with ambient snow minimizing cross contamination from locations.**

Hold the corer vertically (cutter end down) and drive it through the snow to the ground/ice surface below. Be sure the cutter contacts the ground/ice as compacted snow/ice may feel like the ground and result in an incomplete core.

Before raising the corer, read the depth of the snow (nearest cm) and record on the field datasheet.

Turn the corer at least one full turn to cut the core loose from the ground/ice surface. Carefully raise the corer and record the length of the core extracted. [Note: this could potentially be different from the depth of snow, see next]

Inspect the cutter end of the tube for dirt or litter, with gloves on carefully remove soil and litter from the core. If need be correct the length of the core extracted by subtracting the depth of the soil or litter (plug). Record adjusted core length and litter/soil observations on the field data sheet.

Carefully balance the corer containing the core on the weighing cradle.

- **Suspend the corer (like a pendulum) do not hold the corer tube or handles**

To ensure and accurate reading, gently tap the scale to be sure it is not sticking or binding.

Read the weight of the tube and core from the graduations on the scale. The scale is marked in cm of water.

Record the weight of the corer and the core to the nearest one-half cm.

To collect the core, lift the tube from the cradle and turn cutter und up. Gently tap the corer and the extracted core will slide out the top end. Be sure to use a clean/new sample bag to catch the core sample.

- **Ensure all sample bags are clearly labelled with the station ID, sample type, date, and number of cores included in the composite**
- **Ensure all bags are sealed using a clean zip-tie**

Weigh the empty sampling tube following the first and at least every fourth sample as the weight will change as small particle of water or snow accumulate/cling to the inside and outside of the tube and checking will make the data more accurate. Record the weight of the empty corer on the field data sheet.

Subtract the weight of the empty tube from the weight of the tube and core to obtain the water content of the sample.

Density calculations can be completed back in the lab following the completion of the program.

Density (g/cm^3) = Total SWE Collected (g/cm^{2*}) / Total Snow Core Length Collected (cm)
***assumes pure water density 1g/cm^3**

Prior to moving to the next sampling location ensure the field datasheet is complete.

6.4..5 Sample Processing

Prior to processing, all samples must be kept in a frozen state to minimize sample degradation.

When preparing the samples for decanting and analysis, remove the sample bags from the freezer. Check to ensure that the top of the bag is well twisted and the zip-tie is tight. Place the sample bag into a new (clean) sample bag and affix a zip-tie to seal the second bag. This double bagging will help to ensure no sample is lost during the melting process. To process samples, they will require anywhere from 12-36 hours to thaw at room temperature.

Place the sealed sample bags upright in clean coolers in the lab to thaw overnight.

Once a sample is completely melted it is ready for processing.

Sample volume can be determined using a scale accurate to 1g, set up scale, tare the sampling basin with two bags and 2 zip-ties. Place sample bags in the basin and record the weight of each of the bags on the field sheet.

Dust deposition samples will be processed in the DDMI Lab for TSS.

- **The entire volume of sample must be processed – this may require the use of multiple filters.**
- **For samples with large quantities of organics (twigs/leaves etc.) it may be necessary to sieve the sample through a course filter prior to processing.**
- **Given the possibility of the samples containing organic matter, sample filters will be dried in the high temperature oven (650°F) for 1hr to burn off any organics on the filter.**
- **Allow Samples to cool in the desiccator prior to weighing the filters.**

Snow Water Quality samples will be decanted to fill the appropriate (pre-labelled) Maxxam sample bottles as per standard water sampling procedures. Any excess sample water can be discarded.

6.4..6 Sample Chain of Custody

Samples will be shipped to Maxxam Analytics as per ENVR-206-0112 – CHAIN OF CUSTODY & SAMPLE SHIPPING – and accompanied by COC documentation.

7 QUALITY OUTCOMES AND EXPECTATIONS

7.1 To safely complete the tasks outlined in this SOP, without incident.

7.2 Producing quality, accurate and repeatable results.

APPENDIX G QUALITY ASSURANCE/QUALITY CONTROL STANDARD OPERATING PROCEDURE (ENVR-303-0112)

RioTinto

ENVIRONMENT STANDARD OPERATING PROCEDURE			
Area No.:	**8000**	**Document #:**	**ENVR-303-0112**
		Revision:	**4**
Task Title:	**Quality Assurance/Quality Control**		
	Supersedes: ENV SOP 303		
FOR DOCUMENT CONTROL USE ONLY: **Next Review:** **1 year from Area Manager Authorized Signature Date below** **Effective Date:** **See Area Manager Authorized Signature Date below**			

1 REFERENCES/RELATED DOCUMENTS

1.1 ENVI-656-0117 DDMI Environment Lab – Training – Located in: P:\DDMI Environment\10.0 Operational Control\10.13 CALA Certification\Approved Quality Manual Documents\5.2 Training

1.2 ENVR-301-0112 – SOP- General Laboratory Safety - Located in: Diavik Intranet – SOPs – Environment Folder

1.3 ENVR-206-0112 - SOP- Chain of Custody & Sample Shipping - Located in: Diavik Intranet – SOPs – Environment Folder

1.4 ENVI-133-0112 - Aquatic Effects Field Sheet - Located in: P:\DDMI Environment\10.0 Operational Control\10.2 Forms\Current Forms\Approved\Water Quality Forms

1.5 ENVI-134-0112 – 1645-19 SNP Monitoring Field Sheet – Located in: P:\DDMI Environment\10.0 Operational Control\10.2 Forms\Current Forms\Approved\Water Quality Forms

1.6 ENVI-668-0117 DDMI Environment Lab – Equipment Management - Located in: P:\DDMI Environment\10.0 Operational Control\10.13 CALA Certification\Approved Quality Manual Documents\5.5 Equipment

1.7 ENVI-669-0117 DDMI Environment Lab – Measurement Traceability - Located in: P:\DDMI Environment\10.0 Operational Control\10.13 CALA Certification\Approved Quality Manual Documents\5.6 Measurement Traceability

1.8 ENVI-653-0117 DDMI Environment Lab – Record Control - Located in: P:\DDMI Environment\10.0 Operational Control\10.13 CALA Certification\Approved Quality Manual Documents\4.13 Record Control

1.9 ENVI-650-0117 DDMI Environment Lab – Document Control - Located in: P:\DDMI Environment\10.0 Operational Control\10.13 CALA Certification\Approved Quality Manual Documents\4.3 Document Control

1.10 ENVR-403-0112 – SOP Total Suspended Solids Analysis - Located in: Diavik Intranet – SOPs – Environment Folder

1.11 ENVR-404-0112 – SOP pH Analysis - Located in: Diavik Intranet – SOPs – Environment Folder

1.12 ENVR-405-0112 – SOP Turbidity Analysis - Located in: Diavik Intranet – SOPs – Environment Folder

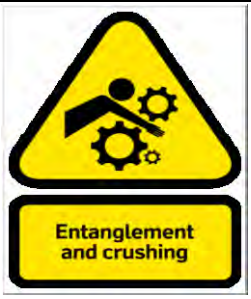
1.13 ENVR-604-0112 – SOP Field Meter - Located in: P:\DDMI Environment\10.0 Operational Control\10.1 SOPs\Working SOPs

Revision History			
Revision	**Revision Description**	**Date of Revision**	**Author**
0	Initial Release	01-Jan-12	D. Grabke
1	Formatting	08-Dec-15	D. Birch
2	Revision of QC schedule and measures	29-May-16	N. Goodman
3	CALA Updates	15-Dec-16	N. Goodman
4	Update to template, area manager and CRM	21-Oct-17	A. Hehn

Authorized Electronically in Documentum By:	
Area Superintendent:	D. Wells
Area Manager:	J. Kozian

(Document owners will be prompted annually to update content; however, changes may or may not result.)

CRITICAL RISKS ARE HIGHLIGHTED IN GREY

Please click on the CRM Risks that are applicable for this SOP			
			
			
			
			

Internal QA/QC
LABBW
LDUPW1/ LDUPW2
DUPRDGS
EBINT

External QA/QC KEY		
-1	=	EBW
-2	=	FBW
-3	=	TBW
-4	=	DUPW1
-5	=	DUPW2
-6	=	DLS

Description
This SOP reviews the quality assurance and quality control measures we use to ensure best practices are being utilized while collecting and analysing samples.

2 PURPOSE

The Objective of this Standard Operating Procedure is to establish consistent and uniform criteria and procedures to be implemented for laboratory activities undertaken during water quality analysis to ensure environmental data generated and processed is scientifically valid.

This SOP is intended to define Environmental Quality Assurance (QA) and Quality Control (QC) measures in place to ensure all data generated in the DDMI Environment Laboratory shall be of known precision and accuracy, be complete, representative, and comparable.

3 SCOPE

3.1 Scope of Procedure

This procedure applies to all Diavik Diamond Mines personnel and contract personnel authorized by the Environment Superintendent to collect, analyse and ship samples. All persons conducting analyses in the DDMI laboratory are required to read, understand, and fully comply with the methods outlined in the SOP for each analytical test conducted, respectively.

This procedure has been developed to be consistent with the requirements of the Rio Tinto HS & E standards.

4 DEFINITIONS

Definitions							
PPE	✓	GPS	✓	DO	✗	NTU	✗
MSDS	✗	SOP	✓	DI Water	✗	ELT	✓
Problem Bear	✗	JHA	✓	AEMP	✗	WLWB	✗
QA	✗	Groundwater	✗	COC	✗	PAL	✗
QC	✗	Seepage	✗	WHMIS	✗	ACTS	✗
Remote Work	✓	SNP	✗	TSS	✗	PROVE	✗
TSP	✗						

See: ENVI-443-0415 - Environment Term Definitions - Located in: Diavik Intranet – SOPs – Environment Folder

5 RESPONSIBILITIES

See ENVI-444-0415 - Environment Roles and Responsibilities - Located in: Diavik Intranet – SOPs – Environment Folder

6 PROCEDURE

6.1 Key Safety Aspects

Task Hazards							
Slip, Trip, Fall	✓	Chemical Contact	✗	Rotating Parts	✓	Uneven Terrain / Ground	✓
Sprain / Strain	✓	Fall into Water	✗	Firearms / Deterrents	✓	Perception	✗
Working Remotely	✓	Overhead Objects	✗	Dehydration	✗	Risk to Wildlife	✓
Aircraft	✓	Visibility	✗	Ergonomics	✗	Unfamiliar Area	✗
Watercraft Operation	✗	Fire	✗	Glass	✗	Falling	✗
Snowmobile Operation	✗	Line of Fire	✓	Fumes / Gases	✓	Confined Space	✗
Light Vehicle	✗	Cuts Scrapes	✗	Entanglement	✗	Heavy Equipment	✗
Lifting	✗	Pinch Points	✓	Stored Energy	✗	Extreme Weather	✓
Manual Labour	✗	Noise	✓	Burns	✗	Electrical	✗
Wildlife	✓	Spills	✓	Equipment Loss or Damage	✗	Sample Loss or Damage	✗

See: ENVI-445-0415 - Environment Hazard Definitions - Located in: Diavik Intranet – SOPs – Environment Folder

6.2 CRM Critical Risks

Critical Risk	Critical Control
N/A	N/A

6.3 Procedural Steps

6.3.1 Quality Assurance (QA)

Quality assurance for the environmental laboratory encompasses all quality-related activities that ensure the validity of aquatics testing and analysis and all relevant technical support. All DDMI environment personnel, from management to field laboratory technicians, are required to conscientiously follow applicable quality control measures and standard operating procedures (SOPs). Adherence to these documents, combined with staff vigilance, can help ensure that the analytical data and other test results collected will be acceptable as the bases for making significant decisions.

The DDMI laboratory ("the lab") encompasses a broad range of activities including preparation of samples for internal analytical processing, calibration and maintenance of equipment, data management, and sample handling for external analysis.

Our approach to quality assurance places an emphasis on four aspects:

- Infrastructure (instruments, testing capabilities, calibrations, SOP's)
- Control Measures (internal/external)
- Personnel (competence, ethics, and integrity)
- Data Management/Control of Non-Conforming Work

The quality of the outputs is at risk if any of these four aspects are deficient in any way.

6.3.2 Infrastructure

6.3.2.1 Equipment

All equipment is to be maintained and operated in accordance with manufacturer instructions and SOPs. Modifications to equipment/equipment settings/any issues are to be recorded in the spreadsheet in the relevant Equipment folder, which is accessible to all staff and should be regularly consulted during troubleshooting, as per ENVI DDMI Environment Lab – Equipment Management.

6.3.2.2 Testing Capabilities

Continued testing capability is verified through a regular (semi-annual) program of Proficiency Testing (PT). Environmental conditions within the lab (such as sample storage areas, as well as within test-specific equipment such as ovens and desiccators) shall be maintained such that the exact requirements of specific methods are met and testing capability is not impaired. Furthermore, lab management has a responsibility to review new editions of external method reference documents (such as the Standard Methods) whenever a new edition is released to ensure continued consistency with internationally approved best practice.

6.3.2.3 Calibrations

Calibrations are performed regularly on all pieces of lab equipment with the potential to impact test results, following a predefined schedule and bearing traceability to SI units wherever possible. When performed internally, calibrations are always done in accordance with method SOPs. All observations and maintenance actions must be reported in the QA/QC Lab Performance logbook.
The logbook must also keep record of the instrument calibration history. Calibration records for fixed and portable laboratory measuring equipment, and individual monitoring devices, shall be maintained and include dates, personnel, and specifics of calibration standards and reference solutions. Instrument calibration procedures and schedules are clearly outlined in individual SOP's.

More details on calibrations and calibration records are available in ENVI-669-0117 R0 DDMI Environment Lab – Measurement Traceability, ENVI-670-0117 RO DDMI Environment Lab – Record Control, and ENVI 650-0117 R0 DDMI Environment Lab – Document Control

6.3.2.4 Purchasing and Verifying Supplies and Services

Services and supplies that affect the quality of tests and/or calibrations shall be purchased only from suppliers that have been investigated and approved. Suppliers shall only be approved when they have been verified as complying with standard specifications or requirements defined in the methods for the tests and/or calibrations concerned. All received supplies will be compared against their accompanying purchase documents, and their reception and specifications must be recorded. Supplies must be verified prior to use according to ENVI-651-0117 DDMI Environment Lab – Purchasing Supplies and Services

6.3.3 Internal Quality Control (QC) Measures

Laboratory quality control consists of both internal and external checks on precision and accuracy of analytical results. Employees are trained in quality control and good lab practices through the lab analyst certification process (ENVI-560-0616, ENVI-561-0616, ENVI-562-0616). An annual performance evaluation ensures that the integrity of analytical procedures remains intact.

Best practices in water quality monitoring dictate that QC samples will comprise at least 10% of all samples analyzed, and more as required to maintain assurance of quality across homogenous sampling matrices and conditions. Due to high sample volumes, the DDMI Environment department performs more than 10% internal QC in order to ensure that any errors or sources of contamination in procedures or equipment are caught immediately. No batch of samples is ever analyzed without some form of internal QC (at least a Lab Blank, below).

Internal Quality Control sample types (descriptions below) consist of: Lab Blanks (LBW), Lab Duplicates (LDUPW1/LDUPW2), Duplicate Readings (DUPRDGS), Laboratory Splits (DLS), and Internal Equipment Blanks (EBINT). Results of Internal Quality Control samples are recorded as per ENVI-670-0117 RO DDMI Environment Lab – Record Control, and reviewed by Environment Supervisors to detect trends.

Lab Blanks (LABBW)

A laboratory blank is a sample comprised of deionised (DI) water, prepared in the lab, which remains in the lab for analysis. This blank is exposed to any and all reagents that are used in the analytical process and is carried through the entire analytical processes including any filtration required. Lab blanks may identify unsuspected contaminates associated with DI water purity, improper cleaning procedures, filters or air contaminants in the lab. LABBWs are the most frequent form of QC at DDMI and occur every day that samples are analyzed.

Lab Duplicates (LDUPW1/LDUPW2)

A laboratory duplicate consists of a single sample to be analyzed twice internally (using the same techniques) as though it is two separate samples. The entire lab procedure is repeated twice, using two separate aliquots of water poured from the same sample bottle. Lab duplicates evaluate analytical precision and sample homogeneity, as well as consistency of lab and operator procedures. LDUPW1/LDUPW2 are the most frequent form of QC at DDMI and occur every day that samples are analyzed.

*in Monitor Pro 5 (MP5), under regular sample data entry, the sample that is to be the LDUP is assigned a sample type of “LDUPW1.” Then, in the data entry section for that day’s LDUPW1/LDUPW2, the corresponding sample site is to be assigned a sample type of “LDUPW2.”

Duplicate Readings (DUPRDG)

Duplicate readings are intentionally obtained during the analysis of samples, with a single sample being read twice. The only aspect of the lab procedure to be repeated is the actual measurement, with sample preparation occurring only once on a single sample. Variability between duplicate readings can be attributed to instrumentation or operator error, rather than variation in the sample. Note that field meters are included in DUPRDGS.

Allowable Discrepancy Limits between LDUPWs and DUPRDGs

If the relative percent difference (RPD) exceeds 20% when analyte concentrations are ≥ 5 times the detection limit (DL), the environment supervisor must be informed so that the data can be flagged and sampling/analytical methods and instrumentation performance can be reviewed. Relevant DLs for DDMI laboratory analysis are:

TSS – 0.3mg/L

Turbidity – 0.15 NTU

Conductivity – 0.9uS/cm

pH has no applicable detection limit.

Laboratory Splits (DLS)

A laboratory split consists of a single sample divided into two aliquots, one to be analyzed internally, and the other to be sent to an external lab using the same techniques to analyze their aliquot so that the two results would be compared. Variability of results must be considered carefully in light of analyte hold times. RPD between duplicate samples will be assessed by environment supervisor.

Equipment Blanks, Internal (EBINT)

An aliquot of DI water is subjugated, in the DDMI Environmental Laboratory, to all aspects of sample collection and analysis, using the same procedures that are utilized in the field, including contact with all sampling devices and apparatus (e.g. tubing, jars, samplers, filters). The purpose of the equipment blank is to determine if the sampling devices and apparatus for sample collection have been adequately cleaned before they are utilized at the field sampling location

6.3.4 Internal QC Scheduling

DDMI Environment internal QC falls under two schedules: Station-Dependent Internal QC and Station-Independent Internal QC. Station-Dependent Internal QC is tied to different sample matrices and is included in regular sampling schedules in MP5 (ex. samplers will be required to complete one EBINT with every set of monthly pond sampling.)

Station-Dependent Internal QC		QC Frequency per sampling event		
Sample Matrix	**Sampling Frequency***	**EBINT**	**DLS**	**DUPRDGS**
Ponds	Monthly	Every event	none	none
Diffuser	Monthly	Every event	none	none
PKC	Monthly	n/a	1 in 4	1 in 4
UG /clarifiers	Biweekly	n/a	none	none
NIWTP Influent/Effluent	6 days	n/a	none	none

*Note that sampling frequency refers to the frequency with which the entire set of samples is taken, and not the number of sites sampled (ex. the monthly pond sampling includes **10** sample sites but compromises **1** sampling event.)

Station-Independent Internal QC is not tied to any particular sample matrix and QC sample types are scheduled as stand-alone events in MP5.

Station-Independent Internal QC	Frequency
LABBW	Daily when samples collected
LDUPW	Daily when samples collected

6.3.5 External Quality Control (QC) Measures

External QC samples comprise ~ 10% of all samples analyzed and are spaced across sampling matrices and sample events to capture as much process homogeneity as possible. With the exception of Trip Blanks (below), external quality control samples are prepared by DDMI Environment staff, who subjugate them to the relevant procedures. All external QC samples are then shipped off-site to a qualified external laboratory, where all analysis is conducted.

External QC sample types consist of Trip Blanks (TBW), Equipment Blanks (EBW), Field Blanks (FBW), and Duplicates (DUPW1/DUPW2). Results of External Quality Control samples are recorded as per ENVI-670-0117 RO DDMI Environment Lab – Record Control, and reviewed by Environment Supervisors to detect trends.

Trip Blanks (TBW)

A Trip Blank is an aliquot of laboratory grade distilled water, which is received from an external lab, in the same type of container that is required for the analytical test. The trip blank is sealed and labelled in the external lab from which it originates. Upon our receipt of the trip blanks they are to be stored, sealed, at ~ 4°C until such a time as they are to be utilized (no longer than 1 month). When utilized, trip blanks travel with the sampling cooler from the laboratory to the sampling site and back to the laboratory without being opened. The trip blank is then packaged and shipped to the originating laboratory to be analyzed. The purpose of the trip blank is to verify that no sample contamination occurred during transportation or sampling operations.

Equipment Blanks (EBW)

An aliquot of DI water is subjugated, in the Environment laboratory, to all aspects of sample collection and analysis, using the same procedures that are utilized in the field, including contact with all sampling devices and apparatus (e.g. tubing, jars, samplers, filters). The purpose of the equipment blank is to determine if the sampling devices and

apparatus for sample collection have been adequately cleaned before they are utilized at the field sampling location.

Field Blanks (FBW)

An aliquot of DI water is subjugated, in the field, to all aspects of sample collection and analysis, using the same procedures that are utilized in the field, including contact with all sampling devices and apparatus (e.g. tubing, jars, samplers, filters). The purpose of the field blank is to demonstrate that sample contamination has not occurred during field sample collection and processing.

Duplicates (DUPW1/DUPW2)

Co-located samples are independent samples collected as close as possible to the same point in space and time and are intended to assess precision of the entire program (field and laboratory components). The use of replicates for this purpose assumes that the variability between DUPW1 and DUPW2 is affected by the sampling method or technician. In most cases natural variability between samples collected in close succession will be low. When performing duplicate samples, the second sample will consist of each bottle that is regularly collected for that station, including the DDMI internal routine bottle.

*in MP5, under regular sample data entry, the sample that is to be the DUPW is assigned a sample type of "DUPW1." Then, in the data entry section for that day's DUPW1/DUPW2, the corresponding sample site is to be assigned a sample type of "DUPW2."

6.3.6 External QC Scheduling

DDMI Environment external QC is entirely station-dependent, and QC types have different frequencies for each sample matrix that are programmed into MP5.

External QC		QC Frequency per sampling event				
Sample Matrix*	**Sampling Frequency**	**DUPW**	**FB**	**TB**	**EB**	**Total % External QC (all types)**
Ponds	Monthly	1 in 2	1 in 6	1 in 6	1 in 3	**11.7**
Diffuser	Monthly	1 in 1	1 in 6	1 in 6	1 in 3	**11.1**
PKC	Monthly	1 in 2	1 in 8	None	n/a	**12.5**
UG /clarifiers	Biweekly	1 in 6	1 in 6	1 in 12	n/a	**10.4**

NIWTP Influent/Effluent	6 days	1 in 6	1 in 12	1 in 12	n/a	**11.1**
Total QC type per month**		**3.16**	**1.21**	**0.91**	**0.66**	**5.94 QC/month 11.2 % Ext. QC**

*See ENVR-477-0815 – SOP A21 DCMP for A21 QC instructions/schedule

Again, note that sampling frequency refers to the frequency with which the entire set of samples is taken, and not the number of sites sampled (ex. the monthly pond sampling includes **10 sample sites but compromises **1** sampling event.)

6.4 Data Management

6.4.1 External Sample Tracking – Chain of Custody

All samples collected, packaged and shipped to external laboratories are tracked via Chain of Custody documentation. The CoC record is used to document change in possession from sampling to delivery to receipt by the external analytical laboratory. CoC procedures are clearly outlined in ENVR-206-0112 - SOP- Chain of Custody.

6.4.2 Internal Sample Tracking

All samples collected are documented in Monitor Pro 5 on the Environment iPads as per the regular sampling schedule.

6.4.3 Data Recording/Record Keeping

The lab has a procedure in place (ENVI-670-0117 RO DDMI Environment Lab – Record Control), to ensure accurate and appropriate record keeping and review of records.

6.4.4 Data Reporting

Immediately following laboratory analyses, all records are transferred from the applicable field sheets, to their respective electronic databases.

Laboratory supervisors will regularly review the electronic databases to ensure that laboratory recordkeeping meets the aforementioned elements. Results can then be queried and exported as required from MP5 for reporting purposes.

Reporting considerations for individual methods can be found both in individual Method Validations and summarized in method SOPs.

6.5 Control of Nonconforming Testing and/or Calibration Work

The lab has procedures in place to define responses to nonconforming test or calibration work or results (ENVI-652-0117 DDMI Environment Lab – Control of Nonconformances) Testing and/or Calibration Work). This procedure covers responsibility and authority pertaining to management of nonconforming work, evaluation of non-conformance significance, and guidelines for corrective action. Environment Supervisors are to ensure that all employees are trained in this procedure.

6.5.1.1 Corrective and Preventive Action

The laboratory has procedures (ENVI-652-0117 DDMI Environment Lab – Control of Nonconformances) in place to provide guidelines for both corrective action (as per 6.4, above, and also pertaining to departures from policies and procedures in the management system or technical operations). Procedures also provide guidance on identifying and incorporating preventive action (addressing needed improvements and potential sources of management or technical nonconformities).

6.5.1.2 Continual Improvement

The laboratory shall continually improve the effectiveness of its QAQC system and produced data through the use of the quality policy, quality objectives, audit results, analysis of data, corrective and preventive actions and management review.

6.6 Personnel

6.6.1 Competency – Certification of Analyst Proficiency

Certification of Analyst Proficiency is the process for assessing and recognizing the technical competence and the effective quality processes of the DDMI Environment Laboratory and staff.

Staff proficiency means that an individual is capable of performing specified test methods and procedures correctly, and familiar with all related policies and procedures pertaining to lab quality as referenced in the Quality Manual. Staff will be trained and tested so as to document their competence for the range of activities they will be expected to perform in the lab, in accordance with all method SOPs.. A performance evaluation will be conducted annually at a minimum, to ensure that staff are fully trained and competent.

Details on staff training are available in ENVI-656-0117 R0 DDMI Environment Lab – Training.

6.6.2 Ethics

Ethics is a set of moral principles, code for right and wrong, or behaviour which conforms to acceptable professional practices.

All employees at all times shall conduct themselves in an honest and ethical manner.

Examples of unethical behaviour include but are not limited to the following:

- Improper manipulation of data or software
- Improper handling of data errors, non-compliant data, or QC outliers
- Lack of reporting unethical behaviour of others
- Artificially fabricating results
- Misrepresenting data such as peak integration, calibration, tuning, or system suitability
- Improper clock setting to meet holding times
- Intentional deletion of non-compliant data

An employee must report any suspected unethical behaviour or fraudulent activities to the Environment Supervisor.

7 QUALITY OUTCOMES AND EXPECTATIONS

7.1 To safely complete the tasks outlined in this SOP, without incident.

7.2 Producing quality, accurate and repeatable results.

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ERM's Vancouver Office

1111 West Hastings Street, 15th Floor
Vancouver, BC
Canada V6E 2J3

T: +1 604 689 9460
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