RioTinto

	Dust Gauge Collec	ction Field	Sheet			
		N	lo:	ENVI	-178-03°	12
Area:	8000	F	Revision:	R0		
Effective Date:	26-Mar-2012	E	By:	Dianr	ne Dul	
Task:	Dust Gauge Collection Fie	eld Sheet				
1		P	Page:	1	of _	2
GENERAL LOCATION NAME: SAMPLED BY: GPS COORDINATES (L DESCRIPTION:	30 TYPE OF SAMP ITM): 531493 E 7	LE: Dust	(	Other		
Precipitation: rain / mis	Wind Direction:	Cloud Cover	(knots): 6 : 0%, 10%, 2 : Visible, Not	•	<b>%,</b> 75%,	100
COLLECTION COMME	NTS: (i.e. damage to station, bugs -	twigs in samp	ile, hole in ves	stibule, e	tc.)	
· · · · · · · · · · · · · · · · · · ·	s Deployed 2020-03-27	-	<u> </u>		-	
- bugs in sample						

Total Volume of Water After Melting: 2300 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	120.2	145.7	25.5	
2	121.0	210.5	89.5	
3	)19.2	212.3	93.1	
4	120.0	245. 1	125.1	
5	120.0	121.0	1.0	
6				
7				
8				
9				
10				
11				
Totals	600.4	934.6	334.2	

		þ	-		4
	1	6	9	į	ø
		ť	0	5	
5	ĺ	1	8	_	3
	ſ.	l		1	7
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		P.		í	
		0		)	

		No		ENIV	/1 170 0	242
A	2000		-		<u>/I-178-0</u>	312
Area:	8000		vision:	R0		
Effective Date:	26-Mar-2012	Ву	<b>:</b>	Dian	ne Dul	
Task:	<b>Dust Gauge Collection</b>	Field Sheet	,			
		Pa	ge:	_1_	of	2
<u> </u>						
GENERAL						
LOCATION NAME:	DATE (dd-mi	mm-vvvv): 19-J	2020	TIME (2	4-00)-	140
SAMPLED BY:	TYPE OF SA					
SPS COURDINATES (	UTM): <u>529023</u> E_	1151141	N (Zone)	12		
DESCRIPTION:	2					
				,		
	S (if sampling outside) Wind Direction:	Wind Speed (k	nots):			
Air Temp: <u>19</u> °C	Wind Direction:5	Wind Speed (k	· -		0%, 75%	, 100
Air Temp: <u>    9</u> °C Precipitation: rain / mis	Wind Direction:5	Cloud Cover:	0%, 10%,	25%, 5	0%, 75%	, 100
Air Temp: <u>    9</u> °C Precipitation: rain / mis	Wind Direction: 5	Cloud Cover:	0%, 10%,	25%, 5	0%, 75%	, 100
Precipitation: rain / mis Snow Cover: 0%, 10%	Wind Direction: 5	Cloud Cover: Dust in area:	0%, 10%, Visible, Not	 25%, 5 Visible		, 100
Air Temp: <u>19</u> °C Precipitation: rain / mis Snow Cover: 0%, 10% COLLECTION COMME	Wind Direction:5 st / snow / N/A , 25%, 50%, 75%, 100%	Cloud Cover: Dust in area:	0%, 10%, Visible, Not	 25%, 5 Visible		, 100
Air Temp:C Precipitation: rain / mis Snow Cover: 0%, 10% COLLECTION COMME Date Sample Collected w	Wind Direction: 5 st / snow / N/A , 25%, 50%, 75%, 100% ENTS: (i.e. damage to station, bug vas Deployed 2020-03-27	Cloud Cover: Dust in area:	0%, 10%, Visible, Not	 25%, 5 Visible		, 100
Air Temp:C Precipitation: rain / mis Snow Cover: 0%, 10% COLLECTION COMME Date Sample Collected w	Wind Direction: 5 st / snow / N/A , 25%, 50%, 75%, 100% ENTS: (i.e. damage to station, bug	Cloud Cover: Dust in area:	0%, 10%, Visible, Not	 25%, 5 Visible		, 100
Air Temp:C Precipitation: rain / mis Snow Cover: 0%, 10% COLLECTION COMME Date Sample Collected w	Wind Direction: 5 st / snow / N/A , 25%, 50%, 75%, 100% ENTS: (i.e. damage to station, bug vas Deployed 2020-03-27	Cloud Cover: Dust in area:	0%, 10%, Visible, Not	 25%, 5 Visible		, 100
Air Temp:C Precipitation: rain / mis Snow Cover: 0%, 10% COLLECTION COMME Date Sample Collected w	Wind Direction: 5 st / snow / N/A , 25%, 50%, 75%, 100% ENTS: (i.e. damage to station, bug vas Deployed 2020-03-27	Cloud Cover: Dust in area:	0%, 10%, Visible, Not	 25%, 5 Visible		, 100
Air Temp:C Precipitation: rain / mis Snow Cover: 0%, 10% COLLECTION COMME Date Sample Collected w	Wind Direction: 5 st / snow / N/A , 25%, 50%, 75%, 100% ENTS: (i.e. damage to station, bug vas Deployed 2020-03-27	Cloud Cover: Dust in area:	0%, 10%, Visible, Not	 25%, 5 Visible		, 100
Air Temp:C Precipitation: rain / mis Snow Cover: 0%, 10% COLLECTION COMME Date Sample Collected w	Wind Direction: 5 st / snow / N/A , 25%, 50%, 75%, 100% ENTS: (i.e. damage to station, bug vas Deployed 2020-03-27	Cloud Cover: Dust in area:	0%, 10%, Visible, Not	 25%, 5 Visible		, 100

Total Volume of Water After Melting: 1375 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	1154	158.3	42.9	filter green
2	114 4	164.6	49.6	filter green filter green
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	229.8	322.3	92.5	

	Dust Gauge Coll	ection Field Sheet	
Area: Effective Date: Task:	8000 26-Mar-2012 Dust Gauge Collection F	No: Revision: By:	ENVI-178-0312 R0 Dianne Dul
	Duct Charge Collection 1	Page:	1 of 2
SAMPLED BY: DY	<u>157 C </u> DATE (dd-mm 552 TYPE OF SAN TM): 534579 E 7	IPLE: Dust	Other
DESCRIPTION:			
Precipitation: rain / mist	Wind Direction: 5W	Cloud Cover: 0%, 10%, (2	25% 50%, 75%, 100
	ITS: (i.e. damage to station, bugs	- twigs in sample, hole in ve	stibule, etc.)
-titled post -visible dust in -bugs + heir in sai	•		

Total Volume of Water After Melting: 1325 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.6	176.0	61.4	dust is green
2				U.
3				
4		_		
5				
6			-	
7				
8				
9				
10				
11				
Totals	114.6	1760	614	

RioTinto

	Dust Gauge Coll	ection Field Sheet		
		No:	ENVI-178-0	0312
Area:	8000	Revision:	R0	
Effective Date:	26-Mar-2012	By:	Dianne Dul	
Task:	<b>Dust Gauge Collection F</b>	ield Sheet		
		Page:	_1 of	2
OPAIPDAI			-	
GENERAL	) 14T CO	16 - 1 2000		000
LOCATION NAME:	DATE (dd-mm			
	BP TYPE OF SAN		Other	
	TM): 528714 E	7153276 N (Zone)	12	
DESCRIPTION:	2			
Precipitation: rain / mist Snow Cover: 0%, 10%,	Wind Direction:	Cloud Cover: 0%, 10%, 2  Dust in area: Visible, Not	— 25%, 50%, 75% Visible	%, 100
	ITS: (i.e. damage to station, bugs s Deployed <u> ২০১০-০3- ২১</u>	- twigs in sample, note in ve	stibule, etc.)	
- bugs in sample				
-green "dust"	in sumple			
	26			
		(i)		

Total Volume of Water After Melting: 1250 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.3	148.4	34.1	filter green
2	119.5	119.5	0.0	
3				
4			-	
5		-		
6				
7				
8				
9				
10				
11			-	
Totals	233.8	267.9	34.1	



	Dust Gauge Colle	ection Fiel	d Sheet			Nation 1
			No:	EΝ\	/I-178-0	312
Area:	8000		Revision:	R0		
Effective Date:	26-Mar-2012		By:	Diar	ne Dul	•
Task:	Dust Gauge Collection F	ield Sheet				
			Page:		of	2
GENERAL	0.1.1					
LOCATION NAME:	DATE (dd-mm)	m-yyyy): <u>20-</u>	07-2020	TIME (2	4:00): <u>09</u>	10
SAMPLED BY: BP	TYPE OF SAM	PLE: Dust		Other_		
GPS COORDINATES (U	ΓM):E		N (Zone)			
DESCRIPTION:						
	4			-		<del></del>
CLIMATE CONDITIONS	(if sampling outside)					
Air Temp:C	Wind Direction:	Wind Spee	d (knots):			
Precipitation: rain / mist	/ snow / N/A	Cloud Cove	er: 0%, 10%,	25%, 5	0%, 75%	, 100
Snow Cover: 0%, 10%,	25%, 50%, 75%, 100%	Dust in are	a: Visible, Not	Visible		
	TS: (i.e. damage to station, bugs	- twigs in san	nple, hole in ve	stibule,	etc.)	
	Deployed 20-07-2020					
	dust or discoloration					
OI Lot	# 200420	*5				
Total Volume of Water	After Melting: / 000 (ml	L)				

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	1203	122.3	2. Ong	
2	=		0	
3				
4				
5				
6			(T)	
7		<del></del>		
8			_	<del></del>
9				
10				
11				
Totals				

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	<u>Dust</u>	Gauge Co	llection Fiel	d Sheet			
				No:	ENV	′l-178-0	312
Area:	8000			Revision:	R0		-
Effective Date:	26-Mar-2012			By:	Dian	ne Dul	
Task:	<b>Dust Gauge</b>	Collection	Field Sheet				
				Page:		of	, <b>2</b>
GENERAL							- 17 7
LOCATION NAME: Do					TIME (2	4:00): <u> </u>	1831
SAMPLED BY: SS2	RP	TYPE OF SA	MPLE: Dust		Other_		
GPS COORDINATES (UT	гм): <u>533<i>964</i></u>	<u>{                                    </u>	7/5432/	N (Zone	12		A. Sec
DESCRIPTION: Q3				·			
W:	81						
CLIMATE CONDITIONS (	(if sampling outside	<u>e)</u>					
Air Temp: <u>-7</u> *C	Wind Direction	on: N	Wind Spee	ed (knots): 14	!		1-
Precipitation: rain / mist				er: 0%, 10%,		0%, 75%	, (100
Snow Cover: 0%, 10%,		4, (100%)		ea: Visible, Ņნ		7	
COLLECTION COMMEN			gs - twigs in sa	mple, hole in v	estibule,	etc.)	
Date Sample Collected was	Deployed 2020	<del>)-07-17</del>					
Sampl	lemostlycle	ear, some	bugs				
Total Volume of Water	After Melting:	1350	mL)				

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	118.4	158.9	40.5	
2	120.8	279.4	40.5 188.6	
3		High state of the		
4				-
5				
6				
7				
8	11			
9				
10	- 57/2			
11				
Totals	239.2	438.3	199.1	

-	
0	
7	
$\equiv$	

	Dust Gauge Collect	tion Field Sheet	
		No:	ENVI-178-0312
Area:	8000	Revision:	R0
Effective Date:	26-Mar-2012	By:	Dianne Dul_
Task:	<b>Dust Gauge Collection Fiel</b>	d Sheet	
	_	Page:	
GENERAL			
	(4 ) 1		17 17
SAMPLED BY: 22	DATE (dd-mmm-) TYPE OF SAMPL	7yyy): 2020-10-20	TIME (24:00): /2/2
			Other
	TM): S35678 E 7/5	<u> 1339                                   </u>	124
DESCRIPTION: Q3	salst		
CLIMATE CONDITIONS	<del>-</del>		
Air Temp: <u>~13</u> *C	Wind Direction: NW	Wind Speed (knots): $\underline{\mathcal{S}}$	- (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
	TS: (i.e. damage to station, bugs - to	wigs in sample, hole in ve	stibule, etc.)
Date Sample Collected was	Deployed 2020-07-/8		
Lots of buse ins. Some visited	ample cloudy.		
Jome visitedo	ist, whitein colour.		
Total Values of Mater	After Melting: /225 (ml.)		

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.7	148.3	31.6	organismaterial vernoining on lill
2	118.2	158.6	40.4	Small amount of ora. material
3				10
4				
5				
6				
7				
8		·····	İ	
9				
10				
11 =				
Totals	234.9	306.9	72.0	

Document #: ENVI-178-0312 R0 Effective Date: 26-March-2012

	<u>Dust</u>	Gauge Colle	ection Fiel	d Sheet	IE.	wiji i e	
				No:	EΝ\	/I-178-0	312
Area:	8000			Revision:	R0		
Effective Date:	26-Mar-2012			By:	Diar	ne Dul	
Task:	<b>Dust Gauge</b>	Collection F	ield Sheet			- 24	
	,			Page:	1	of	2
GENERAL	N 12		-				1017
LOCATION NAME:	JUSTS	DATE (dd-mm	m-yyyy): 2	20-10-22	TIME (2	4:00): <u> </u>	2113
					Other_		
GPS COORDINATES (	UTM): <u>5350</u>	24 E -	7/5/872	N (Zone)	12	V	
DESCRIPTION:	3 Dust						
	W.						
CLIMATE CONDITIONS	G (if sampling outside	<u>e)</u>					
Air Temp:C	Wind Direction	on: N	Wind Spee	d (knots):/	7		
Precipitation: rain / mis				er: 0%, 10%,		i0% 75%	100
Snow Cover: 0%, 10%,		6. 100%		a: Visible, Not			1 (100)
				010000			
COLLECTION COMME	NTS: (i.e. damage t	to station, bugs	- twigs in sar	nple, hole in ve	stibule	etc.)	
Date Sample Collected w	as Donloved 2 07 C	1-07-17					
foramo	entofuble	-110	/				
	- OWNE	ecur, tell	DUOS.				
			U				

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

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	127.1	403.5	276.4	
2				
3				
4		4		
5				i i
6	#			
7		12.		
8		t)		
9				
10				
11				
Totals	127.1	403.5	276.4	

Dust Gauge Collection Field Sheet							
		No:	EΝ\	/l-178-	0312		
Area:	8000	Revision:	R0				
Effective Date:	26-Mar-2012	By:	Diar	nne Du			
Task:	Dust Gauge Collection Field Sh	neet					
		Page:		of	2		
GENERAL LOCATION NAME: SAMPLED BY: S.T. GPS COORDINATES (UT DESCRIPTION: Q3	rm): <u>53/397</u> E 7/52/3		Other_		1624		
DESCRIPTION: (VS)	12)57				<del></del>		
CLIMATE CONDITIONS (	if sampling outside)						
Air Temp:C	Wind Direction: 1a/ Wind	Speed (knots):_//	_	_			
Precipitation: rain / mist /		Cover: 0%, 10%, 2	5%, (5	759	%, 100		
Snow Cover: 0%, 10%,	25%, 50%, 75%, 100% Dust	in area: Visible, Not	Visible				
COLLECTION COMMEN	TS: (i.e. damage to station, bugs - twigs i	in sample, hole in ves	stibule,	, etc.)			
Date Sample Collected was Deployed 2020-07-17  One bottomissing from plastic sheet onstation.  Sample mostly clear, a few bugs and visible while bust							
Total Volume of Water	After Melting : 1500 (mL)						

Total Volume of	Water	After	Melting: 1000	(mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	125.5	177.4	519	
2				2/
3				
4				
5				
6				
7		<del></del>		
8				
9		· · · · · · · · · · · · · · · · · · ·		
10				
11				
Totals	125.3	177.4	51.9	

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	Dust Gauge Collec	tion Field Sheet	700	
		No:	ENVI-178	-0312
Area:	8000	Revision:	R0	
Effective Date:	26-Mar-2012	 Ву:	Dianne Di	ul
Task:	<b>Dust Gauge Collection Fig</b>	eld Sheet		··-
		Page:	1 of	2
GENERAL	ent .			
LOCATION NAME:	c+5 DATE (dd.mmm	-yyyy): 2020-10-20 T	CIME /24:00\:	1137
SAMPLED BY:RP	TYPE OF SAMP		Other	11.) 1
GPS COORDINATES (UT		55/38 N (Zone)		
	1	N (Zone)	124/	
DESCRIPTION: $Q_3$	308T	<u> </u>		
CLIMATE CONDITIONS (in	f sampling outside)			
	Wind Direction: NW	Wind Speed (knots): 5		
Precipitation: rain / mist /		Cloud Cover: 0%, 10%, 2	— 25%, 50%, 75	5%. 100
Snow Cover: 0%, 10%, 2		Dust in area: Visible, Not		
COLLECTION COMMENT	S: (i.e. damage to station, bugs -	twigs in sample, hole in ve	stibule, etc.)	
	Deployed 2030-07-78			
Sample	clear Rell buse			
6:46	e clear, few bugs			
000	D'STORE EZOT.			
		4))		
all #!	After Melting: 975 (ml.)			

Total Volume of Water After Melting: 975 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	124.7	165.2	40.5	Someorg material left
2				
3				
4				
5				
6				
7				
8				
9				
10	×			
11				
Totals	124.7	165.2	40.5	

H	
2	~
0	)
E	4
	2
6	5

	<u>Dust Gauge</u> (	Collection Fie	ld Sheet			
			No:	EΝ\	/I-178-0	312
Area:	8000		Revision:	R0		
Effective Date:	26-Mar-2012		By:	Diar	ne Dul	
Task:	<b>Dust Gauge Collection</b>	n Field Sheet				·
			Page:	1_	of _	2
GENERAL  LOCATION NAME:  SAMPLED BY: S.S.2	USF 6 DATE (do	d-mmm-yyyy): <u>20</u> SAMPLE: (Dust)	720-/0-22	-		357
	M): 537502			12	W.	
DESCRIPTION:	2. Not			-		
DECORA HOW.	3 0(/)					
CLIMATE CONDITIONS	if sampling outside)					
	Wind Direction:	Wind Spec	ed (knots): 14			
Precipitation: rain / mist	Simulation (Contraction Contraction Contra	•	/er: 0%, 10%,		0% 75%	100
	25%, 50%, 75%, 100%		ea: Visible, Not		1	
	ΓS: (i.e. damage to station,		mple, hole in ve	stibule,	etc.)	
Date Sample Collected was	Deployed 2020-01-1	8				
Samplecla	by, with many bugs.					
Total Volume of Water	After Melting: 1000	(mL)				

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	125.7	129.9	4.2	<del></del>
2	112.7	114.8	2.1	
3	118.9	156.6	37.7	
4				
5				
6				
7				
8				
9				
10				
11				
Totals	357.3	401.3	44.0	

77
0
0

S A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dust Gaug	e Collection Fiel	d Sheet		
			No:	ENVI-178-031	12
Area:	8000		Revision:	R0	
Effective Date:	26-Mar-2012		Ву:	Dianne Dul	
Task:	<b>Dust Gauge Colle</b>	ction Field Sheet			
			Page:	1 of _	2
GENERAL					
LOCATION NAME: _/)a	S+7 DATE	(dd-mmm-yyyy): <u>20</u> :	20-10-20	TIME (24:00): /20	2_
SAMPLED BY:		OF SAMPLE: Dust		Other	
GPS COORDINATES (UT	1 1 1000	E 7/505/0			
DESCRIPTION: 03	dust				
	_				
<b>CLIMATE CONDITIONS (</b>	f sampling outside)				
Air Temp:/2_ *C	Wind Direction: 🕢	Wind Spee	d (knots): <u>-</u> 5	_	
Precipitation: rain / mist /	snow /(N/A)	Cloud Cov	er: 0%, 10%, 2	25% <u>, 5</u> 0%, 75%,	100
Snow Cover: 0%, 10%,	25%, 50%, 75%, 100		a: Visible Not		
COLLECTION COMMEN	rs: (i.e. damage to stati	on huas - twias in sar	nnie hole in ve	stibule etc \	
Date Sample Collected was	Deployed 2020-07-7	4			
Station som	evhat tilted; dost	cause tilted again	ut side of	plactic chall.	
Same	2/2 0/-/1//			2. 2. 2.	
	10011/27/1000	B) seleval 1	and bus s		
	*	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7		
			· ·		
Total Volume of Water	Motor Molting 1716	Ω (ml.)			

Total Volume of Water After Melting: // DO (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	118.5	192.9	74.4	small amount of org. mulaial
2	115.4	150.6	35.2	
3				
4				
5				
6				
7				
8				
9				
10		*		
11				
Totals	233.9	343.5	109.6	

	Dust Gauge Colle	ction Fiel	d Sheet	× 10		
			No:	ENV	l-178-0	312
Area:	8000		Revision:	R0		
Effective Date:	26-Mar-2012		By:	Dian	ne Dul	
Task:	<b>Dust Gauge Collection Fie</b>	eld Sheet				
			Page:	1_	of	2
GENERAL LOCATION NAME: DO	У Д DATE (dd-mmm	I-vvvv): 20	20-10-20	TIME (24	:00): /3	08
SAMPLED BY: BP	TYPE OF SAMP			Other		
GPS COORDINATES (UT		54146				
DESCRIPTION: 23	dost					
Precipitation: rain / mist	Wind Direction: NW	Cloud Cov	d (knots): 5 er: 0%, 10%, ea: Visible No		75%	, 100
	TS: (i.e. damage to station, bugs -	twigs in sar	nple, hole in ve	stibule,	etc.)	
Station tilled appe	Deployed 2020-07-19 iors to have sunk somewhat in	to marsly	round.			
Sample stately	by difficult to pass through	yslight	g reenish-que	cy colour	r, large	number es of dust.
T-4-11/-1	After Balting : 177 < (ml)					

Total Volume of	Water	After	Melting :	1723	(mL)
-----------------	-------	-------	-----------	------	------

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	119.1	120.1	1.0	
2	116.9	149.7	32.8	
3	117.7	/32.8	15.1	
4	125.4	134.6	9.2	
5	125.9	126.0	0.1	
6	1204	136.9	16.5	
7				
8				
9				
10				
11				
Totals	725.4	800.1	74.7	

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	Dust Gauge Collec	tion Field Sheet	
		No:	ENVI-178-0312
Area:	8000	Revision:	R0
Effective Date:	26-Mar-2012	By:	Dianne Dul
Task:	<b>Dust Gauge Collection Fie</b>	d Sheet	
		Page:	of
GENERAL			
LOCATION NAME: Do	OST 9 DATE (dd-mmm-	yyyy): 2020-/0-20	TIME (24:00)://49
SAMPLED BY: VPP	DATE (dd-mmm- TYPE OF SAMPL	E: Dust	Other
GPS COORDINATES (UT	M): 541204 E 713		126
DESCRIPTION: Q3	lust		
CLIMATE CONDITIONS (	if campling outcide)		
	Wind Direction: NV		
Precipitation: rain / mist /	The state of the s	Dust in area: Visible, N	25%, 50%, 75%, 100
Silow Cover. 078, 1078,	25%, 50%, 75%, 100%	Dust in area: Visible, N	ot Visible
COLLECTION COMMEN	TS: (i.e. damage to station, bugs - t	wigs in sample, hole in v	restibule, etc.)
Date Sample Collected was	Deployed 2020-07-/8	(P 1	and hadrone the rest
leave frozen firm	I) into stand, required seu	eral firm taps with a	rack to remove
Sample	Deployed 2020-07-18  Dinto stand, required seu mostly clear, some lugs	+ wlite dust	
	, ,		
Total Volume of Water	After Melting: $925$ (mL)		

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	/12.8	130.2	17.4	
2				
3				
4				
5				
6		·		
7				
8				
9				
10				
11				
Totals	1/2.8	130.2	17.4	

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	Dust Gauge Col	lection Field Sheet	
		No:	ENVI-178-0312
Area:	8000	Revision	on: R0
Effective Date:	26-Mar-2012	By:	Dianne Dul
Task:	<b>Dust Gauge Collection</b>	Field Sheet	
		Page:	1 of2
<u>GENERAL</u>	<del>-</del>		
	Oust 10 DATE (dd-mr	nm-vvvv) 7(220-10-2	2 TIME (24:00): (2933
SAMPLED BY: SSZ	BP TYPE OF SA	MPLE: Dust	Other
	JTM): <u>532908</u> e		
DESCRIPTION:	23.00+		
CLIMATE CONDITIONS	(if sampling outside)		
Air Temp: -フ 'C	Wind Direction:	Wind Speed (knots):	14
Precipitation: rain / mis			0%, 25%, 50%, 75%, (100)
	25%, 50%, 75%, 100%	Dust in area: Visible	
A.		11	
COLLECTION COMME	NTS: (i.e. damage to station, bug	s - twigs in sample, hole	in vestibule, etc.)
Date Sample Collected wa	as Deployed 2020-07-17		
Sample	mostly clear many b	G)5.	
	1717		

Total Volume of Water After Melting: 1475 (mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	1273	177.7	50,4	
2	127.2	214.7	87.5	
3				
4				
5		a (8		9:
6		·		
7				
8		<u> </u>		
9				
10				
11				
Totals	254.5	392.4	137.9	

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	make sta					
			No:	ENVI-	-178-031	2
Area:	8000		Revision:	R0		
Effective Date:	26-Mar-2012		By:	Diann	e Dul	
Task:	<b>Dust Gauge Collection</b>	Field Sheet				
			Page:	1	of	2
GENERAL						
	Just II DATE (J.)		20-1- 2-	TIME (0.4.	/22	a
LOCATION NAME: $\underline{\mathcal{D}}$ SAMPLED BY: $\underline{\hspace{0.1cm}\mathcal{BP}}$	VAIE (dd-	mmm-yyyy): 20 SAMPLE: Dust				
					· · · · · · · · · · · · · · · · · · ·	
	UTM): 531493 E	7150156	N (Zone)	12h	/	
DESCRIPTION:	3 dust					
	·		<del></del>			
	6 (if sampling outside)					
	·					
Air Temp:*C	S (if sampling outside) Wind Direction: NW		ed (knots):5 er: 0%, 10%,		%, 75%, 1	00
Air Temp:/2*C Precipitation: rain / mis	S (if sampling outside) Wind Direction: NW	Cloud Cov		25%. 509	%, 75%, 1	00
Air Temp:/2°C Precipitation: rain / mis Snow Cover: 0%, 10%,	Wind Direction: <u>NU</u> st / snow TN/A 25%, 50%, 75%, 100%	Cloud Cov Dust in are	er: 0%, 10%, ea: Visible, Not	25%, 50% Visible		00
Air Temp:*C Precipitation: rain / mis Snow Cover: 0%, 10%, COLLECTION COMME	Wind Direction: WW st / snow (N/A) 25%, 50%, 75%, 100%  NTS: (i.e. damage to station, b	Cloud Cov Dust in are	er: 0%, 10%, ea: Visible, Not	25%, 50% Visible		00
Precipitation: rain / mis Snow Cover: 0%, 10%, COLLECTION COMME	Wind Direction: NU st / snow N/A 25%, 50%, 75%, 100%  NTS: (i.e. damage to station, b	Cloud Cov Dust in are ugs - twigs in sar	er: 0%, 10%, ea: Visible, Not mple, hole in ve	Visible	tc.)	
Air Temp:*C Precipitation: rain / mis Snow Cover: 0%, 10%, COLLECTION COMME	Wind Direction: NU st / snow N/A 25%, 50%, 75%, 100%  NTS: (i.e. damage to station, b	Cloud Cov Dust in are ugs - twigs in sar	er: 0%, 10%, ea: Visible, Not mple, hole in ve	Visible	tc.)	
Air Temp:*C Precipitation: rain / mis Snow Cover: 0%, 10%, COLLECTION COMME	Wind Direction: WW st / snow (N/A) 25%, 50%, 75%, 100%  NTS: (i.e. damage to station, b	Cloud Cov Dust in are ugs - twigs in sar	er: 0%, 10%, ea: Visible, Not mple, hole in ve	Visible	tc.)	
Air Temp:*C Precipitation: rain / mis Snow Cover: 0%, 10%, COLLECTION COMME	Wind Direction: NU st / snow N/A 25%, 50%, 75%, 100%  NTS: (i.e. damage to station, b	Cloud Cov Dust in are ugs - twigs in sar	er: 0%, 10%, ea: Visible, Not mple, hole in ve	Visible	tc.)	
Air Temp:*C Precipitation: rain / mis Snow Cover: 0%, 10%, COLLECTION COMME	Wind Direction: NU st / snow N/A 25%, 50%, 75%, 100%  NTS: (i.e. damage to station, b	Cloud Cov Dust in are ugs - twigs in sar	er: 0%, 10%, ea: Visible, Not mple, hole in ve	Visible	tc.)	
Air Temp:*C Precipitation: rain / mis Snow Cover: 0%, 10%, COLLECTION COMME	Wind Direction: NU st / snow N/A 25%, 50%, 75%, 100%  NTS: (i.e. damage to station, b	Cloud Cov Dust in are ugs - twigs in sar	er: 0%, 10%, ea: Visible, Not mple, hole in ve	Visible	tc.)	

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	1234	136.1	12.7	
2				
3				
4				U
5				
6				
7 //				
8				
9				
10		<del> </del>		
11			100	
Totals	123.4	136.1	12.7	

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	Dust	Gauge Co	llection Fiel	d Sheet			
				No:	ENV	I-178-0	312
Area:	8000			Revision:	R0		
Effective Date:	26-Mar-2012	)		By:	Dian	ne Dul	
Task:	<b>Dust Gauge</b>	Collection	Field Sheet	-			
				Page:	1	of	2
GENERAL LOCATION NAME: 100	s+12	DATE (dd-m	mm-yyyy): <u>20</u>	20-10-20	TIME (24	l:00): 12	251
SAMPLED BY: RP		TYPE OF SA	MPLE: Dust	_	Other		
GPS COORDINATES (UT							
DESCRIPTION:	3 dust						
CLIMATE CONDITIONS ( Air Temp: -12_ 'C Precipitation: rain / mist / Snow Cover: 0%, 10%,  COLLECTION COMMEN	Wind Direction snow / N/A 25%, 50%, 75%	on: <u>NV</u>	Cloud Cov Dust in are	er: 0%, 10%, ea: Visible, Not	Visible		, 100
Date Sample Collected was							
Samplen Visible da	mostlyclear, oust white	somelays.					
田							
Total Volume of Water	After Melting: /	600	mL)				

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	117.7	157.8	40.1	
2	116.5	137.7	21.2	
3				
4				
5				
6				
7				
8				
9				10
10				
11				-
Totals	234.2	295.5	61.3	

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	Dust Gauge Col	lection Fiel	d Sheet			
			No:	ENV	l-178-0	312
Area:	8000		Revision:	R0		
Effective Date:	26-Mar-2012		By:	Dian	ne Dul	
Task:	Dust Gauge Collection	Field Sheet				
_			Page:	_1_	of _	2
GENERAL				_		
LOCATION NAME: AL	+C/ DATE (dd-mr	nm-yyyy): <u>20</u>	20-10-20	ΓIME (24	:00): /=	222
SAMPLED BY:	DATE (dd-mr	MPLE: Dust				
	M): <u>524979</u> E			/2/	al a	
DESCRIPTION: Q3					-	
CLIMATE CONDITIONS (	if sampling outside)					
Air Temp:/2*C	Wind Direction:	Wind Spee	d (knots):_S			
Precipitation: rain / mist /	snow / N/A		er: 0%, 10%, 3	— 25%, 50	%, 75%,	(100)
Snow Cover: 0%, 10%,	25%, 50%, 75%, 100%		a: Visible, Not			
	TS: (i.e. damage to station, bug	s - twigs in san	nple, hole in ve	stibule,	etc.)	
	Deployed 2020-07-1%					
Sample	e mostly clear, so	ne byst	debris.			
						ľ
Total Volume of Water	After Melting: 1650 (r	nL)				

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	125.4	18G.S	61.1	smill amount of org. inchestal
2	_			
3				
4				
5		_		
6				
7				
8				
9				
10				
11				
Totals	125.4	186.5	61.1	

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THE RESPONSE IN	Dust 0	Sauge Coll	ection Fiel	d Sheet			
				No:	ENV	′I-178-0	312
Area:	8000			Revision:	R0		<del></del>
Effective Date:	26-Mar-2012	- 11		By:		ne Dul	
Task:	Dust Gauge C	Collection F	ield Sheet	•			
				Page:	_1_	of _	2
GENERAL							
	x+c2	DATE (dd-mm	ım-vvvv):⊋∩	20-10-20	TIME (24	s:on): /2.	SK
LOCATION NAME: $\triangle$		TYPE OF SAN	PLE: Dust			·····	
GPS COORDINATES (L					_		
DESCRIPTION:			7 - 5 0 7 5	10 (2-0110)	7,50 4		
DESCRIPTION							
CLIMATE CONDITIONS	(if sampling outside)	)					
Air Temp: <u>-/2</u> *C	•	_	Wind Spee	ed (knots):			
Precipitation: rain / mis			•	er: 0%, 10%,		75%	. 100
Snow Cover: 0%, 10%,	_	100%		a: Visible No		, , , , , ,	,
, ,	, , ,						
COLLECTION COMME	NTS: (i.e. damage to	station, bugs	- twigs in sai	nple, hole in ve	stibule,	etc.)	
Date Sample Collected wa							
Samplea	ppeared sinht	mount of	many la	Jelegs.			
	_						
Total Volume of Water	A 51 - A 5 - 142 - 1	375					

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	118.0	140.9	22.9	
2	118.4	129.2	10.8	small amount of organisterial
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	236.4	270.1	33.7	

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Dust Gauge Collec	tion Field Sheet			
<u>Dual Gauge Collect</u>				
	No:	_	<u>'l-178-0</u>	312
Area: 8000	Revision:	<u>R0</u>		
Effective Date: 26-Mar-2012	Ву:	Dian	ne Dul	
Task: Dust Gauge Collection Fie	ld Sheet		4	
	Page:	_1_	of	2
GENERAL				
	man): 2020-10-71	TIME /0/		720
LOCATION NAME: FROM DATE (dd-mmm-	F: Duet	Other	1:00): <u> </u>	120
<b>A</b>				
GPS COORDINATES (UTM):	N (Zone)			
DESCRIPTION: 03				
Precipitation: rain / mist / snow / N/A	Wind Speed (knots): Cloud Cover: 0%, 10%, Dust in area: Visible, No	<b>25</b> %, 50	0%, 75%	, 100
COLLECTION COMMENTS: (i.e. damage to station, bugs - t	wigs in sample, hole in ve	stibule.	etc.)	
Small amount of Just Visible in sam	ple	-,		
DI Lot # 191009C				
Total Volume of Water After Melting: 350 (mL)				

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.6	138.6	22.0	
2				
3		_		
4				
5				
6				
7		·		
8				
9				
10				
11	-			
Totals	116.6	138.6	22.0	

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	Dust Gaug	ge Colle	ction Fiel	d Sheet	***		
				No:	ENV	'I-178	-0312
Area:	8000			Revision:	R0		0012
Effective Date:	26-Mar-2012			By:		ne Dı	ıl
Task:							
				Page:	1	of	2
GENERAL	*						
	IC+ I DATE	E (dd-mmm	-vanad: 2 c	021-01-04	TIME /2/	••••••	1345
LOCATION NAME: 1)0 SAMPLED BY: <u>BP</u>	TYPE		LE: Dust		Other	•:••:-	101)
	TM): 533964					i	
		E _//	01021	N (Zone	12W		
DESCRIPTION: $Q^{4}$	DUST				<u>.                                 </u>		
CLIMATE CONDITIONS		- 11		= 0			
Air Temp: <u>-24</u> C		F		ed (knots): $9$			
Precipitation: rain / mist				ег: 0%, 10%,		0%, 75	5%,(100 )
Snow Cover: 0%, 10%,	25%, 50%, 75%, 100	0%)	Dust in are	ea: Visible, No	t Visible		
	ITS: (i.e. damage to stati			mple, hole in v	estibule,	etc.)	
Date Sample Collected wa	s Deployed 2020-10	2-22	,			7.0	100
Smalle	mant of whelest	woold in	sample				
	¥						
Total Volume of Water	After Melting: 260	(mL)	)			-	

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	1237	157.1	334	
2		F2		The state of the s
3		*		
4				
5		S1 5 "		
6				111
7				
8				
9				
10				N
11				=
Totals	123.7	157.1	33.4	

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	Dust Gauge Collect	THE RESERVE OF THE PARTY OF THE
		No: <u>ENVI-178-0312</u>
\rea:	8000	Revision: R0
Effective Date:	26-Mar-2012	By: Dianne Dul
Гask:	<b>Dust Gauge Collection Field</b>	
		Page: <u>1</u> of <u>2</u>
SENERAL		
OCATION NAME:	DUS- 2A DATE (dd-mmm-y	yyy): <u>2021-01-08</u> TIME (24:00): 12.50
SAMPLED BY:	BP TYPE OF SAMPLE	
SPS COORDINATES	(UTM): 535678 E 7/5	1339 N (Zone) 12W
DESCRIPTION:	24 Dust	
3200KW 110KK		
CLIMATE CONDITION	IS (if sampling outside)	
Air Temp: -23 °C	, /	Vind Speed (knots):
Precipitation: rain / m		Cloud Cover: 0%, 0%, 25%, 50%, 75%, 100
		Dust in area: Visible, Not Visible
	s, som, som, rom, co	
COLLECTION COMM	ENTS: (i.e. damage to station, bugs - tv	vigs in sample, hole in vestibule, etc.)
Date Sample Collected	was Deployed 2 020-10-20	***
	Whitedustinsample	
	WATE 200 THE SOME	
	*	
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		9

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	120.1	162.4	42.3	
2				-
3				
4				
5		VI.	807	
6	11 V			
7				
8				
9				
10				
11				
Totals	120.1	162.4	42.3	<u> </u>

	<u>Dust Gauge Collection</u>	n Field Sheet		
rec i	/	No:	ENVI-	178-0312
Area:	8000	Revision:	R0	<del>-</del>
Effective Date:	26-Mar-2012	Ву:	Diann	e Dul
Task:	<b>Dust Gauge Collection Field S</b>	heet		
		Page:	1	of 2
GPS COORDINATES (UTDESCRIPTION: Q4  CLIMATE CONDITIONS Air Temp: -29 °C  Precipitation: rain / mist.  Snow Cover: 0%, 10%,	Wind Direction: Wine	d Speed (knots): 12 ad Cover: 0%, 10%, 2 t in area: Visible, Not	12 W	6, 75%, (100)
	Deployed 2020-10-22			• 1
Straff	y cloudy, whitedust			
0 -	•			
Total Volume of Water	After Melting: 360 (mL)			

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
_1	116.5	223.8	107.3	
2				
3	-			
4				
5				
6				
7				
8				
9				
10				
11				
Totals	116.5	223.8	107.3	

	Dust Gauge Coll	ection Field S	Sheet		V 1	
		N	o:	ENV	I-178-0	312
Area:	8000	R	evision:	R0	101	
Effective Date:	26-Mar-2012	By	y:	Dian	ne Dul	
Task:	<b>Dust Gauge Collection F</b>	ield Sheet				
		Pa	age:	1	of	2
GENERAL						
LOCATION NAME: Do	SF4 DATE (dd-mm	ım-yyyy): <u>202</u>	1-01-03	TIME (24	:00): /3	3.5.5
SAMPLED BY: _GC	NG TYPE OF SAM					
GPS COORDINATES (U	ITM): <u>53/397</u> E 7					
DESCRIPTION: Q4	Dust					
	2					
CLIMATE CONDITIONS						
Air Temp: <u>-29</u> 'C	Wind Direction:	Wind Speed (k				
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 COMMEN	NTS: (i.e. damage to station, bugs	- twigs in sample	e, hole in ve	estibule,	etc.)	
Date Sample Collected wa	s Deployed_ 2020-10-23				-	
Stightly	ichaely, white east					
Total Volume of Water	After Melting: 3%0 (m	ıL)				

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	1271	1475	20.4	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
Totals	1271	147.5	20.4	

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	Dust Gauge Colle	ction Field Sheet	
		No:	ENVI-178-0312
Area: 80	000	Revision:	R0
	i-Mar-2012	By:	Dianne Dul
	ust Gauge Collection F		
- N	3	Page:	1 of 2
		)))	
GENERAL			
LOCATION NAME: DUST	S DATE (dd-mmi	n-yyyy): 2026-01-08	TIME (24:00): 1005
SAMPLED BY: GC ST	DATE (dd-mmi	PLE: Dust)	Other
	53S696 E 7		nw
DESCRIPTION: QL DUS		, , , , , , , , , , , , , , , , , , , ,	
<u> </u>		· · · · · · · · · · · · · · · · · · ·	·
CLIMATE CONDITIONS (if sa	mpling outside)		
	Wind Direction:	Wind Speed (knots):	
Precipitation: rain / mist / sno	// \	Cloud Cover: 0% 10%,	
Snow Cover: 0%, 10%, 25%		Dust in area: Visible, Not	1
COLLECTION COMMENTS:	(i.e. damage to station, bugs	- twigs in sample, hole in ve	stibule, etc.)
Date Sample Collected was Dep	loyed 2020-10-20	_	
L:46	e dustrisible		
Total Volume of Water Afte	r Melting: 340 (ml	.)	

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
_ 1	125.2	142.5	173	
2		·		
3		117		
4				
5				
6				
7				
8				
9				
10				
11				
Totals	125.2	142.5	17.3	

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	Dust	Gauge Collec	ction Fie	d Sheet			ver en en
				No:	EN	/i-178-0	312
Area:	8000			Revision:	R0		
Effective Date:	26-Mar-2012			By:	Dia	nne Dul	
Task:	<b>Dust Gauge</b>	Collection Fie	eld Sheet				
				Page:		of	2
GENERAL							
LOCATION NAME: _D	ust 6	DATE (dd-mmm	-yyyy): <u>202</u>	21-01-03	TIME (2	4:00): <u>/</u>	25
SAMPLED BY:	16	TYPE OF SAMP	LE: Dust		Other_		
GPS COORDINATES (U							
DESCRIPTION: Q4	_						
CLIMATE CONDITIONS	(if sampling outsid	le)					
Air Temp: -29 'C	Wind Direct	ion: E	Wind Spee	ed (knots): /2	- 8		
Precipitation: rain / mist				er: 0%, 10%,		i0%, 75%	, floo )
Snow Cover: 0%, 10%,		%, (100%)		ea: Visible, No			
COLLECTION COMMEN			twigs in sa	mple, hole in ve	stibule	, etc.)	
Date Sample Collected was	Deployed 2 02	0-10-22					
Sightly clouds	, whitedost						
Total Volume of Water	After Melting:_	1 <u>90</u> (mL)					

Total Volume of	Water	After	Melting :_	190	(mL)

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	1268	144.5	17.7	
2				
3				
4	2.2 1			
5				
6		·		
7				
8				
9		<u>-</u>		· · · · · · · · · · · · · · · · · · ·
10				
11				
Totals	126.8	144.5	17.7	

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	Dust Gauge C	ollection Fiel	d Sheet		
			No:	ENVI-17	8-0312
Area:	8000		Revision:	R0	
Effective Date:	26-Mar-2012		By:	Dianne (	Dul
Гask:	<b>Dust Gauge Collection</b>		100		
		***	Page:	<u>1</u> of	2
SENERAL .	1				
OCATION NAME:	DATE (dd	mmm-yyyy): <u>20</u>	21-01-08	TIME (24:00):	1304
SAMPLED BY: GC	TYPE OF	SAMPLE: Oust		Other	
SPS COORDINATES (U	tm): <u>53<i>6819</i> </u>	7150510	N (Zone	1241	
DESCRIPTION: Q4					
Precipitation: rain / mist Snow Cover: 0%, 10%,	25%, 50%, 75%, (100%)	Cloud Cov Dust in are	er: 0%,(10%, ea: Visible, No	25%, 50%, t Visible	
	ITS: (i.e. damage to station, b	ugs - twigs in sar	nple, hole in v	estibule, etc.)	
•	s Deployed 2020-10-20				
h	shitedost to few la	ger particle	s visible	•	
Total Volume of Water	After Melting: 400	(mL)			

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	126.9	153.4	26.5	
2	×		1	
3				
4				·······
5				
6				
7				
8				
9				
10				
11				
Totals	126.9	1534	26.5	

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	Dust Gauge Collection I	leid Sneet		
		No:	ENVI-178-	0312
Area:	8000	Revision:	R0	
Effective Date:	26-Mar-2012	By:	Dianne Du	
Task:	<b>Dust Gauge Collection Field She</b>	eet		
		Page:	<u>1</u> of	2
GENERAL				
LOCATION NAME: DU	DATE (dd-mmm-yyyy):	2021-01-08	ΓΙΜΕ (24:00): <u>/</u>	025
SAMPLED BY: ac B	TYPE OF SAMPLE: 10u	st)	Other	
GPS COORDINATES (UT	M): 53/40/ E 7/54/46	N (Zone)	124	
DESCRIPTION: QU				
		··········		
CLIMATE CONDITIONS (	if sampling outside)			
Air Temp: <u>-2  </u> 'C	Wind Direction: Wind S	Speed (knots): 7		
Precipitation: rain / mist	snow// N/A Cloud	Cover: 0%,)10%,	— 25%, 50%, 75°	%. 100
		n area: Visible, Not	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
COLLECTION COMMEN	TS: (i.e. damage to station, bugs - twigs in	sample, hole in ve	stibule, etc.)	
Date Sample Collected was	Deployed 2020-10-20			
Snow was up to	obase of garge Lolder and file	d wind shade.		
16.	1.W 1 1 11 1 1 1			
very	Deployed 2020-10-20  base of garge Loller and file.  little dust visible in Sommple	,		
	,			
otal Volume of Water	After Melting: 460 (mL)			*

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	125.8	145.3	19. 5	III
2			701	
3	-			
4				
5				· · · · · · · · · · · · · · · · · · ·
6				
7				
8				
9				
10				
11				· · · · · · · · · · · · · · · · · · ·

145.3

19.5

Totals

125.8

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	Dust Gauge Collection Fi	eld Sheet	×		
		No:	ENV	l-178-03	12
Area:	8000	Revision:	R0		
Effective Date:	26-Mar-2012	By:	Dian	ne Dul	
Task:	<b>Dust Gauge Collection Field Shee</b>	et			
=		Page:	1	of _	2
		\$			
GENERAL	1.0	, ,		8	
LOCATION NAME: De			TIME (24	:00): <u>/3/</u>	9
SAMPLED BY: GC BE			Other		
GPS COORDINATES (UT	rm): <u>541204</u> <u>E 715215</u> 4	N (Zone)	12W		
DESCRIPTION: Q4	DUST				
					-
CLIMATE CONDITIONS	(if sampling outside)				
Air Temp:23_'C	Wind Direction: Wind Sp	eed (knots):			
Precipitation: rain / mist		over: 0%,(10%,		%, 75%,	100
Snow Cover: 0%, 10%,		area: Visible Not		, ,	
COLLECTION COMMEN	TS: (i.e. damage to station, bugs - twigs in s	ample, hole in ve	stibule,	etc.)	
Date Sample Collected was	Deployed 2020-10-20		-		
	Sample slightly brown, some	dust visible.			
Total Valuma of Mater	After Melting: /2 \$ (ml.)	<u> </u>			. <u>-</u>

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	114.1	124.4	10.3	
2				
3				
4				
5				
6				
7				
8				
9			77	
10		_		8.
11				
Totals	114.1	124.4	10.3	

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	Dust Gauge Collection Fie	ld Sheet			
		No:	ENVI-	-178-03 <sup>-</sup>	12
Area:	8000	Revision:	R0		
Effective Date:	26-Mar-2012	By:	Diann	e Dul	
Task:	<b>Dust Gauge Collection Field Shee</b>	t			
		Page:	_1	of _	2
GENERAL LOCATION NAME: SAMPLED BY: CCA GPS COORDINATES (U' DESCRIPTION: Q4	TYPE OF SAMPLE: Dust TM): 532908 E 7148924	) (	Other		
CLIMATE CONDITIONS  Air Temp: _2=7	Wind Direction: Wind Spe	ed (knots): /2 ver: 0%, 10%, 2 rea: Visible Not	25%, 50%	%, <b>75%</b> , (	100
COLLECTION COMMEN	TS: (i.e. damage to station, bugs - twigs in sa	ımple, hole in ve	stibule, e	tc.)	
Date Sample Collected was	S Deployed 2020-10-22				
51.92+1,	cloudy with whitedost visible, no	lage particle	es or de	rbws.	
Total Volume of Water	After Melting: 390 (mL)		_		

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.5	214.2	97.7	
2				
3		3		
4				
5				
6				
7	97			
8	ĺ			
9				
- 10				
11	11			

214.2

97.7

**Totals** 

116.5

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-4		le
	2	)_
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6		)

	Dust Gauge Colle	ction Field Shee	<u>t</u>			
		No:		ENVI	-178-0	312
Area:	8000	Revisi	on:	R0		
Effective Date:	26-Mar-2012	By:		Dianr	e Dul	
Task:	<b>Dust Gauge Collection F</b>	eld Sheet				
		Page:		1	of	2
GENERAL						
LOCATION NAME: $D_0$	DATE (dd-mmr	n-yyyy): 2021-01-08	Т	IME (24:	00): /	131
SAMPLED BY: GC	TYPE OF SAMI	PLE: (Dust)	c	ther		
GPS COORDINATES (U	TM): <u>53/493</u> e <u>7</u> Dust	150156 NO	Zone) _	12W		
DESCRIPTION:	DUSL	-21				
CLIMATE CONDITIONS			<b>∽</b>			
Air Temp: <u>~23</u> 'C	Wind-Direction:	Wind Speed (knots)	:/	_		
Precipitation: rain / mist		Cloud Cover: 0%,(1	0%,_2	5%, 50	%, 75%	s, 100
Snow Cover: 0%, 10%,	25%, 50%, 75%, 100%	Dust in area: Visibl	e, (Vot V	/isible		
COLLECTION COMMEN	TS: (i.e. damage to station, bugs	- twigs in sample, hole	in ves	tibule, e	tc.)	
Date Sample Collected was	Deployed 2020-10-20					
	Whitedostvisiblein	sample.				
		·				
Total Volume of Water	After Melting : 520 (ml	.)				

<b>Total Volume of</b>	Water	After	Melting:_	520	_(mL)
------------------------	-------	-------	-----------	-----	-------

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	1203	182.6	62.3	
2	1			
3				
4				
5	54			·
6	(4)			
7				
8				
9		-		
10				
11				
Totals	120.3	182.6	62.3	

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	Dust Gauge Collection	n Field Sheet	
		No:	ENVI-178-0312
Агеа:	8000	Revision:	R0
Effective Date:	26-Mar-2012	By:	Dianne Dul
Task:	Dust Gauge Collection Field S	Sheet	
		Page:	1 of 2
GENERAL			
LOCATION NAME:	USF 12 DATE (dd-mmm-yyy)	1:2021-01-08	ГІМЕ (24:00):
SAMPLED BY: GC			Other
GPS COORDINATES (L	ITM): 529323 E 7/5/	19 / N (Zone)	12W
DESCRIPTION: QU			
COLLECTION COMME	Wind Direction: Wind Cloreston, 50%, 75%, 100% Dust NTS: (i.e. damage to station, bugs - twigs	st in area: Visible, Not	25%, 50%, 75%, 100 Visible
Date Sample Collected wa	s Deployed <u>2020-10-2</u> 0		
	Small amount of destu	sole in sample	e.
		/	
Total Volume of Water	After Melting : 475 (mL)	·-	

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	119.0	158.7	39.7	
2				
3				
4				
5				
6				
7				
8				-
9				
10				
11				
Totals	119.0	158.7	39.7	

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	Dust Gauge Coll	ection Field Sheet	
		No:	ENVI-178-0312
Area:	8000	Revision:	R0
Effective Date:	26-Mar-2012	By:	Dianne Dul
Task:	<b>Dust Gauge Collection I</b>	ield Sheet	
		Page:	1 of 2
GENERAL			
	JS+ CI DATE (dd-mn	1m-vvvv): 2021-01-08	TIME (24:00): 12-15
SAMPLED BY: GC B	DATE (dd-mn P TYPE OF SAM	MPLE: Dust	Other
	tm): <u>534979</u> e		
DESCRIPTION:	Dust	71 1 12011e	1 22-0
	Wind-Direction:	Cloud Cover: 0% 10%, Dust in area: Visible, No	25%, 50%, 75%, 100 t Visible
	s Deployed 2 020-10-20	s - twigs itt sample, noie itt vi	esubule, etc.)
=	Very Alledest in	sample	
Total Volume of Water	After Melting: 360 (n		

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	117.4	127.3	9.9	
2	,			
3				
4				· · · · · · · · · · · · · · · · · · ·
5				
6				
7				
8				
9				
10				
11				19
Totals	117.4	127.3	9.9	

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	Dust Gauge Col	ection Field Sheet	I II.		
		No:	ENV	I-178-03	312
Агеа:	8000	Revision:	R0		
Effective Date:	26-Mar-2012	By:	Dian	ne Dul	
Task:	<b>Dust Gauge Collection</b>	Field Sheet			
		Page:	_1_	of _	2
GENERAL					
LOCATION NAME:	USF C2 DATE (dd-mr	nm-yyyy):2 <i>0</i> 2 <i>1-01-0</i> 8	TIME (24	1:00): <u>110</u>	0
SAMPLED BY: _ CC	DATE (dd-mr	MPLE: Dust	Other		
		7/53276 N (Zone			
DESCRIPTION:	y Disk		·		
DESCRIPTION:	1 0031	<u>'</u>			
CLIMATE CONDITIONS	(if sampling outside)				
Air Temp: 23°C	Wind Direction:	Wind Speed (knots):	7		
Precipitation: rain / mis		Cloud Cover: 0%, (10%),		1% 75%	100
	25%, 50%, 75%, (00%)	Dust in area: Visible, No		370, 1070,	100
011011 001011 070, 1070,	2011, 0011, 1011,	Dabt III didd: Violoic, W	VISIO		
COLLECTION COMME	NTS: (i.e. damage to station, bug	s - twigs in sample, hole in v	estibule,	etc.)	
	as Deployed 2020-10-20			· -	
	dost + some larger particle	es visible in sample			
	U	1			
T-4-1 1/-1/ 6 14/-4	After Melting: 430 (r	-1.			
Total Volume of Water	After Melting: 730 (F	nL)			

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	123.0	149.6	26.6	
2				
3				
4			1	
5	*			
6				
7				-
8				
9				
10				
11				
Totals	123.0	149.6	26.6	

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Dust Gauge Collection Field Sheet						
		No:	ENVI-	-178-03	12	
Area:	8000	_ Revision:	R0		- 1	
Effective Date:	26-Mar-2012	By:	Diann	e Dul		
Task:	<b>Dust Gauge Collection Field</b>	Sheet			121	
		Page:	1	of _	2	
GENERAL						
LOCATION NAME:	BW DATE (dd-mmm-vy	yy): 2020-12-31.	TIME (24:	oon: 15	40	
SAMPLED BY: BP	TYPE OF SAMPLE			-		
GPS COORDINATES (UT	「M):	N (Zone)				
DESCRIPTION:	14 Dust					
Precipitation: rain / mist / Snow Cover: 0%, 10%,	Wind Direction: W snow / N/A C	ind Speed (knots): oud Cover: 0%, 10%, 2 ust in area: Visible, Not	25%, 50% Visible		100	
Date Sample Collected was		ys in santple, noie in ve	subule, e	tc.)		
Small a	mount of dest visible in so	emple and on fil	lfer		į	
Total Volume of Water After Melting : 6% (mL)						

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	119.8	123.7	3.9	
2				
3				
4				
5				<u></u>
6				, and the second
7		S		<u> </u>
8				
9		-		
10				
11				
Totals	119.8	1237	3.9	

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		Ilection Field Sheet	
		No:	ENVI-178-0312
Area:	8000	Revision:	R0
Effective Date:	26-Mar-2012	By:	Dianne Dul
Task:	<b>Dust Gauge Collection</b>	Field Sheet	
		Page:	1 of 2
GENERAL .		=3	<del></del> -
COATION NAME: /	RAI DATE (MI)	mm-yyyy): 2021-01-04	1/21
LOCATION NAME: $\frac{1}{B}$	DATE (dd-m		
			Other
SPS COORDINATES (		N (Zone)	
DESCRIPTION:	4 Dust		
CLIMATE CONDITIONS	S (if sampling outside)		
Air Temp:°C	Wind Direction:	_ Wind Speed (knots):	
Precipitation: rain / mis		Cloud Cover: 0%, 10%, 2	
Snow Cover: 0%, 10%	, 25%, 50%, 75%, 100%	Dust in area: Visible, Not	
	10.65		
COLLECTION COMME	NTS: (i.e. damage to station, bu	gs - twigs in sample, hole in ve	stibule, etc.)
Date Sample Collected w	as Deployed		
	No visible dust in s	Mesk /	
	TOURSING destrict	ample	
	TOTAL BOST IN S		
	, voide 2031 /// 5	1	
	in the cost in s	,	
	1 0.01E 2031 1/1 S	,	
	1 0.01E 2031 M	,	

Filter #	Weight of Filter	Filter + Residue	Residue Weight	Comments
1	116.4	115.9	-0.5	very small amount of distinsible on filler
2	1 (6			
3				
4				
5				
6				
7				
8				
9				
10			·	
11				
Totals	116.4	115.9	-0.5	

			Snow.	Sampling F	<u>iela Sheet</u>			
Are	a:	80	00	Э		No: Revision	-	/I-177-0312
	ective Dat		-Mar-2012			By:	D. E	Dul
Tas	k:	Sn	ow Sampli	ing Field Sh			-	
		,		- 4		Page:	1 evision Tra	of 3
	ERAL	461	-1	DATE (vacas ess	dalle 261	201-AU-12	TIME (2	14:00): 0912
SAM	PLED BY:	552	MM	TYPE OF SA	AMPLE: Dust	Water	Quality [	QAQC: N/A
SPS	COORDINAT	ES (UTM):	53391	5 E	7154292	N (	zone)	12
DES	CRIPTION: D	istance to D	Diavik_	km & Direction		0	n: Land	&/or Lake
	ATE CONDIT			100				
			nd Direction:	NW_ w	/ind Speed:	07 kts	s.	
			/			27		
			Not Visible 🔯		Cloud Cover (			
rec	ipitation: Rai	n / Mist / Sn	ow /(N/A)		Snow Conditio	n: Crystallize	ed 🗹 Pac	ked 🗹 Wet 🗌 Dry 🗹
	Coro	Depth	Length	Weight of	Weight of	Water	Dust	Comments
	Core Number	of	of Snow	Tube	Empty	Content-	Present	(core weighed, bag #,
Dus	Core Number		7	Tube & Core-	Empty Tube-SWE	Content- SWE		(core weighed, bag #
Dust C		of Snow	of Snow Core	Tube	Empty	Content-	Present	(core weighed, bag #, changes in snow
Dust Cores	Number	of Snow (cm)	of Snow Core (cm)	Tube & Core- SWE (cm)	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No	(core weighed, bag #, changes in snow
Dust Cores	Number 1	of Snow (cm)	of Snow Core (cm)	Tube & Core- SWE (cm)	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No	(core weighed, bag #, changes in snow condition)
Dust Cores	Number 1 2	of Snow (cm)	of Snow Core (cm)	Tube & Core- SWE (cm)	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N	(core weighed, bag #, changes in snow condition)
Dust Cores	Number  1 2 3	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm)	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N	(core weighed, bag #, changes in snow condition)
Dust Cores	Number  1 2 3	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm) 49	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N	(core weighed, bag #, changes in snow condition)
Dust Cores	1 2 3 4	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm) 49	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N Y N	(core weighed, bag #, changes in snow condition)
Dust Cores	1 2 3 4	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm) 49	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N > 25)	(core weighed, bag #, changes in snow condition)
	1 2 3 4 1 2 2 2 1 2 2 2 1 2	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm) 49	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N	(core weighed, bag #, changes in snow condition)
	1 2 3 4 1 2 3 3	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm) 49	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	(core weighed, bag #, changes in snow condition)
	1 2 3 4 1 2 3 4	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm) 49	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	(core weighed, bag #, changes in snow condition)
	1 2 3 4 5 5	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm) 49	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weighed, bag #, changes in snow condition)
	1 2 3 4 5 6	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm) 49	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	(core weighed, bag #, changes in snow condition)
Dust Cores Water Quality Cores	1 2 3 4 5 6 7	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm) 49	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	(core weighed, bag #, changes in snow condition)
	1 2 3 4 5 6 7 8	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm) 49	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weighed, bag #, changes in snow condition)
	1 2 3 4 5 6 7 8 9	of Snow (cm)	of Snow Core (cm) 38 38	Tube & Core- SWE (cm) 49	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weighed, bag #, changes in snow condition)

<sup>\*\*</sup> Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> – Wt. of Empty Tube<sub>SWE</sub> \*\*

Area Effec Task	ctive	Date:	8000 26-Mar-20 Snow Sar	1717	ield She	eet	No: Rev By:	ision:	ENVI-177-0312 R9 D. Dul
							Pag Page	e: 3 for Revision	2 of on Tracking Only not fo
Dust	Sam	ple Fi	Iters			Tota	al Volume o	of Melted S	now: 960
Filte	er#	Weig	ht of Filter (mg)	Filter + F		Resi	due Weiç (mg)	ght	Comments
1		115	0	380			265.0	Visible	dust on filters
2		114.		326			211.8	in the second	٠(.
3		113		117	0		3.1	1.5	Lx
4				11.71			٦.١		
Tota	als	343	5	823	U	11	79.9		
<b>V</b> ate	r Qua	ality B	ottles		L		l Volume o		
Filling Order	Ana	alysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	DI	Sample Comments  Batch # for QAQC, reserved if not in field, la changes
1	65.5	etals otal	60 mL Falcon Tube (x2)	Υ					
2		etals solved	60 mL Falcon Tube (x2)	*		10			
		otal rcury	40 mL clear glass (pre-preserved)	N		9		0	
3			120 mL plastic (pre-	N					
3	Nutr	ients	preserved)						
	Amr	nonia	preserved) 40 mL glass vial (pre-preserved)	N					
4	Amr	7.02	preserved) 40 mL glass vial						
4 5	Amr	nonia	preserved) 40 mL glass vial (pre-preserved)	N					

			Snow	Sampling F	ield Sheet			
						No:	ENV	/I-177-0312
Are			000			Revision		
	ective Date		6-Mar-2012			Ву:	D. D	oul
Tas	k:	Sn	now Sampli	ing Field Sh	eet		-	
						Page: Page 3 for R	1 evision Trac	of 3
	ERAL							
LOC	ATION NAME	551	-2	DATE (yyyy-mr	nm-dd):20	120-04-1	TIME (2	4:00):
SAM	PLED BY: _	532	MN	TYPE OF SA	AMPLE: Dust	Water	Quality	QAQC: MA
				9E_				
DES	CRIPTION: D	istance to D	Diavik	_ km & Direction		0	n: Land 📐	&/or Lake
CLIN	ATE CONDIT	TIONS						
				MARK TO A	Carrier State of Stat			
Air T	emp:	_°C Wi	nd Direction:	_ NW N	Vind Speed: _	kt	s.	
				1		A		
Dust	in Area: Visi	ible 🔲 🛚 1	Not Visible 🔽		Cloud Cover: (			
Prec	ipitation: Rai	n / Mist / Sn	iow / N/A			Va		
					Snow Conditio	n: Crystallize	ed ☑ Pack	red 🖾 Wet 🔲 Dry 🚨
					Snow Conditio	n: Crystallize	ed <u>M</u> Pac⊦	ked Wet Dry Dry
		Depth	Length	Weight of		Water		
7	Core	Depth of			Weight of Empty	T	Dust	Comments (core weighed, bag #,
-	Core Number		Length	Weight of	Weight of	Water	Dust Present	Comments (core weighed, bag #, changes in snow
Dus	Number	of Snow (cm)	Length of Snow	Weight of Tube	Weight of Empty	Water Content-	Dust Present Yes/No	Comments (core weighed, bag #,
Dust Co	Number 1	of Snow (cm)	Length of Snow Core	Weight of Tube & Core-	Weight of Empty Tube-SWE	Water Content- SWE (cm)	Dust Present Yes/No	Comments (core weighed, bag #, changes in snow
Dust Cores	Number	of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core-	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No Y N	Comments (core weighed, bag #, changes in snow condition)
Dust Cores	Number 1	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 (core weighed, bag #, changes in snow condition)  hard puck @ top.
Dust Cores	Number  1 2	of Snow (cm) 39	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 Y N	Comments (core weighed, bag #, changes in snow condition)  hard puck @ top.
Dust Cores	Number  1 2 3	of Snow (cm) 39	Length of Snow Core (cm) 29 30 23	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No Y N Y N Y N	Comments (core weighed, bag #, changes in snow condition)  hard puck @ top.
Dust Cores	Number  1 2 3	of Snow (cm) 39	Length of Snow Core (cm) 29 30 23	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No Y N Y N Y N	Comments (core weighed, bag #, changes in snow condition)  hard puck @ top.
Dust Cores	Number  1 2 3 4	of Snow (cm) 39	Length of Snow Core (cm) 29 30 23	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No  Y N  Y N  Y N  Y N  Y N	Comments (core weighed, bag #, changes in snow condition)  hard puck @ top,
Dust Cores	Number  1 2 3 4	of Snow (cm) 39	Length of Snow Core (cm) 29 30 23	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No Y N Y N Y N Y N Y N Y N	Comments (core weighed, bag #, changes in snow condition)  hard puck @ top,
Cores	Number  1 2 3 4	of Snow (cm) 39	Length of Snow Core (cm) 29 30 23	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  N  N  N  N  N  N  N  N  N  N  N  N	Comments (core weighed, bag #, changes in snow condition)  hard puck @ top,
Cores	1 2 3 4 1 2 3 3	of Snow (cm) 39	Length of Snow Core (cm) 29 30 23	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	Comments (core weighed, bag #, changes in snow condition)  hard puck @ top,
Cores	Number  1 2 3 4	of Snow (cm) 39	Length of Snow Core (cm) 29 30 23	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	Comments (core weighed, bag #, changes in snow condition)  hard puck @ top,
Cores	Number  1 2 3 4  1 2 3 4 5	of Snow (cm) 39	Length of Snow Core (cm) 29 30 23	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Comments (core weighed, bag #, changes in snow condition)  hard puck @ top,
Dust Cores Water Quality Cores	1 2 3 4 5 6	of Snow (cm) 39	Length of Snow Core (cm) 29 30 23	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Comments (core weighed, bag #, changes in snow condition)  hard puck @ top,

\*\* Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Water Quality (Min. of 3 cores - Total Water Content SWE =/> 100)

10

11 12

YN

N YN

Area: Effec Task	tive	Date:	8000 26-Mar-5 Snow Sa	2012 ampling Fi	ield She	et	No: Rev By:	isio je:	ENVI-177-0312  R9  D. Dul  2 of 3  Revision Tracking Only not for Pri
Dust	Sam	ple Fi	Iters			Tota	l Volume	of Me	elted Snow:(
Filte	r#	Weig	ht of Filter (mg)	Filter + F	,	Resi	due Wei (mg)	ght	Comments
1		112	5-1	246.0			30.9		Triple bugged, leaked into 2 Visible dust on filter. Veg.
2		11	4.4	115.5	)		1. 1		u-
3									
Tota	als	200	529 5	361,5		14	32.0	-	
Water Filling Order		ality B	Bottle Type	Triple Rinse	Sample Type *	Tota Sample Type *	Sample Type *		Sample Comments  DI Batch # for QAQC,  pocation preserved if not in field, label changes
1	100	letals Fotal	60 mL Falcon Tube (x2)	Y				/	
2	N Dis	letals solved	60 mL Falcon Tube (x2)	Υ		X			
3		Fotal ercury	40 mL clear glass (pre-preserved)	N				\	
4	Nu	trients	120 mL plastic (p	ore- N					
5	An	monia	40 mL glass via						
6	R	outine	1000 mL plastic						
7	TSS	Turb/pH	1000 mL plastic	y Y					
		<b>form</b> a							Filter Blank ng sampling event, follow-up actions

			Snow	Sampling F	ield Sheet			
						No:	EN	VI-177-0312
Are	a:		000			Revision	7	
	ective Date	1	-Mar-2012			Ву:	D.	Dul
Tas	k:	Sr	now Sampl	ing Field Sh	eet			
						Page:	1 evision Tr	of 3
GEN	ERAL					Tugo o for fe	OVIOIOIT II	
		551	-3	DATE (yyyy-mr	nm-dd): 262	0-04-12	TIME (	24:00): 0943
		and the same of th				1		QAQC: N/A
SPS	COORDINAT	'ES (UTM):	53396	7 E	7154517	N (	zone)	&/or Lake
DES	CRIPTION: D	istance to D	Diavik Ø	km & Direction		0	n: Land	%/or Lake
	IATE CONDIT			1.		-		
ir T	emp: <u>-22</u>	_°C Wi	ind Direction:	WW W	/ind Speed: _	0 / kt	s.	
				/		-		
ust	in Area: Vis	ible 🔲 1	Not Visible		Cloud Cover:	0%/10%/2	5% / 50%	/75% / 100%
rec	ipitation: Rai	n / Mist / Sn	now / N/A		Snow Condition	n: Crystallize	ed Pa	cked Wet Dry W
		Depth	Length	Weight of	Weight of	Water		Comments
	Core	of	of Snow	Tube	Empty	Content-	Dust	Comments (core weighed, bag #
	Number	Snow	Core	& Core-	Tube-SWE	SWE	Present Yes/No	changes in snow
Su(		(cm)	(cm)	SWE (cm)	(cm)	(cm)		Condition
Ĉ.	1	28	20	45	39	6	Y (N)	hard top byer
Dust Cores	2	27	20	1/5	39	6	YN	
								1(
Ų,	3	31	22	45	39	6	YN	) (1
0,	3	31	22	45	39	6	Y N Y N	) 11
<i>G</i> ,			22	16	39	6 7 tent SWE =/	Y (N)	11
0,	4		22		39	6 7 tent SWE =/	Y (N)	11
<b>o</b> ,			22	16	39	6 7 tent SWE =/	Y (N) > 25)	11
	1 2		22	16	39	6 7 tent SWE =/	Y N > 25) Y N Y N	11
	1 2 3		22	16	39	6 7 tent SWE =/	Y N > 25) Y N Y N Y N	11
	1 2 3 4		22	16	39	6 7 tent SWE =/	Y (N) > 25)  Y N Y N Y N Y N	11
	1 2 3 4 5		22	16	39	6 7 tent SWE =/	Y N  > 25)  Y N  Y N  Y N  Y N  Y N	11
	1 2 3 4 5 6		22	16	39	tent SWE =/	Y N  > 25)  Y N  Y N  Y N  Y N  Y N  Y N	11
	1 2 3 4 5 6 7		22	16	39	6 7 tent SWE =/	Y N  > 25)  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	11
	1 2 3 4 5 6 7 8		22	16	39	tent SWE =/	Y N  > 25)  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	11
	1 2 3 4 5 6 7 8		22	16	39	6 7 tent SWE =/	Y N  > 25)  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	11
Water Quality Cores	1 2 3 4 5 6 7 8		22	16	39	tent SWE =/	Y N  > 25)  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	11
	1 2 3 4 5 6 7 8		22	16	39	6 7 tent SWE =/	Y N  > 25)  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	11

<sup>\*\*</sup> Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> – Wt. of Empty Tube<sub>SWE</sub> \*\*

Area: Effect Task:	tive Date:	8000 26-Mar-20 Snow Sam		ield She	et	No: Revisio By:	ENVI-177-0312 R9 D. Dul
					5-2	Page:	2 of 3 Revision Tracking Only not for Print
Dust :	Sample Fil	Iters			Tota	l Volume of Me	elted Snow: 830 (mL
Filte		ht of Filter F	ilter + F (m	Residue	Resid	due Weight (mg)	Comments
1		5.9	157.		L	11.7	Triple bagged. Leaked into 2nd
2	110						William medi 1 August Stores IAT
3							
4							
Tota	als 115	5.9	157.0	6		41.7	
Nater	Quality B	ottles		**	Tota	I Volume of M	elted Snow: (mL
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	Sample Comments  DI Batch # for QAQC, ocation preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube ( <b>x2</b> )	Υ				
2	Metals Dissolved	60 mL Falcon Tube ( <b>x2</b> )	Υ	X			
3	Total Mercury	40 mL clear glass (pre-preserved)	N			6	
4	Nutrients	120 mL plastic (pre- preserved)	N				
5	Ammonia	40 mL glass vial (pre-preserved)	N				
6	Routine	1000 mL plastic	Y				
1	TSS/Turb/pH	1000 mL plastic	Υ				
tiona	al Informa						2, Filter Blank ring sampling event, follow-up actions etc
		ation					

			Snow S	Sampling F	ield Sheet				
Are	a:	80	000			No: Revision	0	/I-177-0	312
7.55.3	ctive Date	-	-Mar-2012			By:	D. D	)ul	
Tas		7		ng Field She		-,-			
						Page:	1 evision Tra	of	3 not for Print
LOC. SAM GPS	PLED BY:	550 ) ES (UTM):	111	DATE (yyyy-mn	AMPLE: Dust	Water	Quality [	QAQ	c: DUP
<u>CLIN</u> Air T Dust	IATE CONDIT	IONS _°C Wi	oiavik <u>077</u> ind Direction:	km & Direction	Vind Speed: Note of the Control of the Control of the Condition	0 0	n: Lands. 5% / 50% /	&/or La	ake 🔽
CLIM Air T Dust Prec	IATE CONDIT	IONS _°C Wi	oiavik <u>077</u> ind Direction:	Weight of Tube & Core-	Vind Speed: Vind Speed: Vind Cover: Condition Condition Weight of Empty Tube-SWE	0 0	n: Lands. 5% / 50% /	8/or La	ake 🔽
CLIM Air T Dust Prec	in Area: Visilipitation: Rain	IONS  C Windows Mist / Sn  Depth of Snow	ind Direction:  Not Visible Mow/ N/A  Length of Snow Core	weight of Tube	Vind Speed:	kts 0%/10%/25 on: Crystallize  Water Content- SWE	s. 5% / 50% / ed Pac	8/or La	omments eighed, bag #, ges in snow
CLIM Air T Dust Prec	in Area: Visilipitation: Rain  Core Number	Depth of Snow (cm)	ind Direction:  Not Visible Mow/ N/A  Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Vind Speed: Vind Speed: Weight of Empty Tube-SWE (cm)	kts 0%/10%/25 on: Crystallize  Water Content- SWE	s.  5% / 50% / ed Pace  Dust Present Yes/No	8/or La	omments eighed, bag #, ges in snow ondition)
CLIM Air T Dust Prec	in Area: Visilipitation: Rain  Core Number	IONS C Windows Mist / Sn Depth of Snow (cm)	ind Direction:  Not Visible Mow/ N/A  Length of Snow Core (cm)	Weight of Tube & Core-SWE (cm)	Vind Speed: Vind Cover: Condition  Weight of Empty Tube-SWE (cm)	water Content- SWE (cm)	s. 5% / 50% / ed  Pacl  Dust Present Yes/No	8/or La	omments eighed, bag #, ges in snow ondition)

	4	~					YN	
			Dust (Min.	of 3 cores - To	otal Water Cor	ntent SWE =/	> 25)	
	1	36	36	50	39	11	YN	Weighed hard puch
	2	36	36	51	39	12	A (N)	
-	3	37	37	52	39	13	Y (N)	
8	4	37	37	52	39	13	Y (N)	
Water Quality	5	38	38	52	39	13	YN	
Qu	6	38	38	51	39	12	Y (N)	
ality	7	37	37	51	39	12	Y (N)	
Cores	8	37	37	51	39	12	Y (N)	Reweigh
res	9	36	36	50	39	11	Y (N)	
	10					119	Y(N)	
	11						YN	

12

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Area: Effect Task:	tive Date:	8000 26-Mar-20 Snow Sam		ield She	et	Ву:	R9 D. Dul	
		v	100			Pag Page	e: 2 3 for Revision Trackin	of 3 ng Only not for Pr
Dust (	Sample Fil	Iters			Tota	I Volume	of Melted Snow:	1130
Filte		ht of Filter F (mg)	Filter + F (m	(1)	Resid	due Wei (mg)	ght Con	nments
1	115.		140.		1	246		
3							1	
4								
Tota	als 115	5.4	140.	0	6	24.6		
Water	r Quality B						of Melted Snow:	3505
		Bottle	Triple	Sample Type *			Sample Co	omments
Filling Order	Analysis	Туре	Rinse	DIPI	Type	1362	Location preserved change	if not in field, label
1	Metals Total	60 mL Falcon Tube (x2)	Υ	Ø				
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y	D				
3	Total Mercury	40 mL clear glass (pre-preserved)	N				18-	
4	Nutrients	120 mL plastic (pre preserved)	N	Ø				
5	Ammonia	40 mL glass vial (pre-preserved)	N	Ø				0
6	Routine	1000 mL plastic	Υ		Œ			
7	TSS/ <del>Turb/pH</del>	1000 mL plastic	Υ	Ø				
color, o			es, safety co	oncerns, wea	ither proble		REP2, Filter Blank es during sampling ever	nt, follow-up action

			Snow	Sampling F	ield Sheet				-12
		160				No:	-	VI-177-0312	
Are		A00.00	000			Revision	-		
	ective Dat		-Mar-2012			By:	D. [	)ul	
Tas	K:	<u>Sr</u>	low Sampi	ing Field Sh	eet	Dogo:	1	of 3	-
						Page: Page 3 for R		cking Only not for Pri	nt
	ERAL	10	1116		0.0	da ar	10	1000	
LOC	ATION NAME	00	-9-5	DATE (yyyy-mn	nm-dd):	20-04-1	TIME (2	24:00): 1027	_
SAM	PLED BY: _	552 M	W	TYPE OF SA	MPLE: Dust	Water	Quality	QAQC: DU	P
GPS	COORDINAT	ES (UTM):	53449	86 E	7155094	1 N	zone)	12	
								&/or Lake	_
	ATE CONDIT		344-W.						
			inal Divastian.	NW W	rad Carred. M	N X	2		
Air I	emp:	_C W	ind Direction:	NM N	/ind Speed:	I/AKt	S.		
Dust	in Area: Vis	ible 🔲 I	Not Visible	ľ	Cloud Cover: 0	0% / 10% / 2	5% / 50%	75% / 100%	/
Prec	pitation: Rai	n / Mist / Sn	iow (N/A)	5	Snow Conditio	n: Crystallize	ed 🔲 Pac	ked 🗹 Wet 🗌 Dry	V
		Depth	Length	Weight of	Weight of	Water	Dust	Comments	
	Core								
	Core Number	of	of Snow	Tube & Core-	Empty Tube-SWE	Content-	Present	(core weighed, back changes in sno	ag #, ow
Dus	100000000000000000000000000000000000000	of Snow (cm)	of Snow Core (cm)	Tube & Core- SWE (cm)	Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No	(core weighed, be changes in sno condition)	ag #, ow
Dust Co	Number 1	Snow	Core	& Core-	Tube-SWE	SWE	Present Yes/No Y N	changes in sno	ag #, ow
Dust Cores	Number  1 2	Snow	Core	& Core-	Tube-SWE	SWE	Present Yes/No Y N Y N	changes in sno	ag #, ow
Dust Cores	Number  1 2	Snow	Core	& Core-	Tube-SWE	SWE	Present Yes/No Y N Y N Y N	changes in sno	ag #, ow
Dust Cores	Number  1 2	Snow	Core	& Core-	Tube-SWE	SWE	Present Yes/No Y N Y N	changes in sno	ag #,
Dust Cores	Number  1 2	Snow (cm)	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Present Yes/No Y N Y N Y N Y N	changes in sno	ag #,
Dust Cores	Number  1 2 3 4	Snow (cm)	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N	changes in sno	ow .
Dust Cores	Number  1 2 3 4	Snow (cm)	Dust (Min.	& Core- SWE (cm)	tal Water Con	SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in sno condition)	ow .
Dust Cores	Number  1 2 3 4	Snow (cm)	Core (cm)	& Core- SWE (cm)	tal Water Con	SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N	changes in sno condition)	ow .
	Number  1 2 3 4	Snow (cm)	Dust (Min.	& Core- SWE (cm) of 3 cores – To	tal Water Con	tent <u>SWE</u> =/3	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in sno condition)	ow .
	1 2 3 4 1 2 3 3	39 40 35	Dust (Min.	& Core- SWE (cm) of 3 cores – To 52 54 53	tal Water Con	tent SWE =/:	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in sno condition)	ow .
	Number  1 2 3 4	39 40 35 35	Dust (Min. 39 40 36	of 3 cores – To	tal Water Con	tent <u>SWE</u> =/3	Present Yes/No  Y N  Y N  Y N  Y N  Y N  P N  P S S S S S S S S S S S S S S S S S S	changes in sno condition)  Weighted the	ow .
	1 2 3 4 5 5	39 40 35 40	Dust (Min. 35 40 36 40	& Core- SWE (cm)  of 3 cores – To  52  54  53  52  52	tal Water Con 39 39 39	swe (cm)	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in sno condition)  Weighted the	ow .
	1 2 3 4 5 6	39 40 39 40 39 40	Dust (Min. 39 40 36 40 40	& Core- SWE (cm)  of 3 cores – To  52  54  53  52  52  53	tal Water Con 39 39 39 39 39	tent SWE =/:	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in sno condition)  Weighted the	ow .
	1 2 3 4 5 6 7	39 40 35 40 36 40 40	Dust (Min. 35 40 36 40 36	& Core- SWE (cm)  of 3 cores – To  52  54  52  52  52  52  53  51	Tube-SWE (cm)  stal Water Con 39 39 39 39 39 39	swe (cm)  tent swe =/2  13  15  14  13  14	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in sno condition)  Weighted the	ow .
Dust Cores Water Quality Cores	1 2 3 4 5 6 7 8	39 40 35 40 36 40 40	Dust (Min. 35 40 36 40 36	& Core- SWE (cm)  of 3 cores – To  52  54  53  52  52  53  51	Tube-SWE (cm)  stal Water Con 39 39 39 39 39 39	swe (cm)  tent swe =/2  13  15  14  13  14  14  14	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in sno condition)  Weighted the	ow .
	1 2 3 4 5 6 7 8 9	39 40 35 40 36 40 40	Dust (Min. 35 40 36 40 36	& Core- SWE (cm)  of 3 cores – To  52  54  53  52  52  53  51	Tube-SWE (cm)  stal Water Con 39 39 39 39 39 39	swe (cm)  tent swe =/2  13  15  14  13  14  14  14	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in sno condition)  Weighted the	ow .

<sup>\*\*</sup> Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> - Wt. of Empty Tube<sub>SWE</sub> \*\*

			W 04	pling Fie	714 C	No:	1.0	ENVI-177-0312
Area:		8000				107711	ision:	R9
	tive Date:	26-Mar-20				Ву:		D. Dul
Task:		Snow Sam	ipling Fi	eld She	et	D - 4	445	2 -6 2
						Pag Page	e: 3 for Revi	2 of 3 sion Tracking Only not for Pr
Dust :	Sample Fil	Iters			Total	l Volume	of Melted	Snow:
Filte		ht of Filter (mg)	Filter + F	with the recent of control of	Resid	due Weig	ght	Comments
1		(5)		<i>31</i>		113/		
2	1 1 1						41	
3			-					
4								
Tota	IIS	10.2						
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *		Sample Comments  DI Batch # for QAQC, on preserved if not in field, labe changes
1	Metals Total	60 mL Falcon Tube (x2)	Y	Ø				Shangoo
1 2	- XXX 000 40 10 000 1		Y	1	0			Sharigeo
	Total Metals	Tube (x2) 60 mL Falcon		d				Sittinget
2	Total  Metals Dissolved  Total	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass	Y					Shariget
2	Total  Metals Dissolved  Total Mercury	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-	Y	8	0			Sittinget
3 4	Total  Metals Dissolved  Total Mercury  Nutrients	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial	Y N					Sittinget
3 4 5	Total  Metals Dissolved  Total Mercury  Nutrients  Ammonia	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial (pre-preserved)	Y N N N					Sittinget
3 4 5 6	Total  Metals Dissolved  Total Mercury  Nutrients  Ammonia  Routine	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic	Y N N Y Y				REP2, Filte	
2 3 4 5 6 7	Total  Metals Dissolved  Total Mercury  Nutrients  Ammonia  Routine  TSS/Turb/pH	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic  *Sample Type: GW, ation  ple: (equipment issues	Y N N N Y Y OUPW1/D	DUPW2, FBW	U U U U U U U U U U U U U U U U U U U	BW, REP1/F		
2 3 4 5 6 7	Total  Metals Dissolved  Total Mercury  Nutrients  Ammonia  Routine  TSS/Turb/pH	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic  1000 mL plastic  *Sample Type: GW,	Y N N N Y Y OUPW1/D	DUPW2, FBW	U U U U U U U U U U U U U U U U U U U	BW, REP1/F		er Blank

			Snow	Sampling F	ield Sheet			
				14		No:	ENV	/I-177-0312
Are	a:	80	00			Revision	: R9	
Effe	ective Date	e: 26	-Mar-2012			Ву:	D. D	)ul
Tas	k:	Sr	now Sampl	ing Field Sh			-	
		-				Page:	1 evision Tra	of 3
GEN	ERAL						7101011 114	OKING ONLY HOLLOT TIME
		. 551	-5	DATE (sans me	nm ddy 20	201-04-10	TIME (2	4:00): 1058
						/		
SAM	PLED BY:	552 MI	4	TYPE OF SA	AMPLE: Dust	Water	Quality [	V QAQC: N/A
						7-7		
GPS	COORDINAT	ES (UTM):	5 2500	18 E_	7156275	N (	zone)	12
DES	CRIPTION: D	stance to D	Diavik 2 21	km & Direction	N	0	n: Land	Q   &/or Lake ☑
			-	- 1111/21-112-112-11				
1 IN/								
> LIIN	ATE CONDIT	IONS		V. F		0.1		
Air T	emp:	<u>ions</u> _°C Wi	nd Direction:	NW v	Vind Speed:	6K kts	s.	
Air T	emp:	_°C Wi	nd Direction:	NW v				
Air T Dust	emp:	_°C <b>W</b> i	Not Visible 🔽	ĺ ,	Cloud Cover:	0% / 10% / 25	5% / 50% /	
Air T Dust	emp:	_°C <b>W</b> i	Not Visible 🔽	ĺ ,	Cloud Cover:	0% / 10% / 25	5% / 50% /	75% / 100% ked
Air T Dust	emp:	_°C <b>W</b> ible	Not Visible 🔽	Í	Cloud Cover: Snow Conditio	0% // 10% / 25 n: Crystallize	5% / 50% /	
Air T Dust	emp:	_°C Wible	Not Visible Visible (Visible Now / N/A)	Weight of	Cloud Cover: Snow Conditio	n: Crystallize	5% / 50% / ed ☑ Pack	Ked ☑ Wet □ Dry ☑  Comments
Air T Dust Prec	in Area: Visi	ble	Not Visible Vi	Weight of Tube	Cloud Cover: Snow Conditio  Weight of Empty	)% // 10% / 25 n: Crystallize Water Content-	5% / 50% /	Comments (core weighed, bag #,
Air T Dust Prec	emp:	ble	Length of Snow	Weight of Tube & Core-	Cloud Cover:  Snow Condition  Weight of  Empty  Tube-SWE	0% 10% / 25 n: Crystallize Water Content- SWE	5% / 50% / ed ☑ Pacł Dust	Ked ☑ Wet □ Dry ☑  Comments
Air T Dust Prec	in Area: Visi	ble	Length of Snow (cm)	Weight of Tube & Core- SWE (cm)	Cloud Cover:  Snow Condition  Weight of Empty Tube-SWE (cm)	water Content- SWE (cm)	5% / 50% / ed ☑ Pack Dust Present	Comments (core weighed, bag #, changes in snow condition)
Air T Dust Prec	emp:	ble	Length of Snow (cm)	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No	Comments (core weighed, bag #, changes in snow
Air T Dust Prec	in Area: Visipitation: Rain  Core Number	Depth of Snow (cm)	Length of Snow Core (cm)	Weight of Tube & Core- SWE (cm) 52	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No	Comments (core weighed, bag #, changes in snow condition)
Air T Oust	emp:	ble	Length of Snow (cm)	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm)	Dust Present Yes/No	Comments (core weighed, bag #, changes in snow condition)

res	2	46	45	52	39	13	T (N)
	3	47	45	53	39	14	YN
	4						YN
			Dust (Min	of 3 cores - To	otal Water Cor	ntent SWE =	/> 25)
	1	45	115	53	39	14	YN
	2	45	45	53	39	14	YN
	3	45	45	52	39	13	YN
8	4	45	43	52	39	13	Y (N)
ater	5	45	42	52	39	13	Y (N) Weighted
Water Quality Cores	6	47	45	53	34	14	YN
ality	7	46	45	52	39	13	YN
Co	8	45	44	52	39	13	YN
res	9					107	YN
	10						YN
Ī	11						YN
	12						YN

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

14 SHOW CONES

Area: Effect Task:	ive Date:	8000 26-Mar-20 Snow Sam		eld She	et	No: Revision By:	ENVI-177-0312 R9 D. Dul
			1 0	35 35702		Page:	2 of 3 Revision Tracking Only not for Print
Dust 9	Sample Fi				Tota	l Volume of M	elted Snow: 1320 (mL)
Filte	9	ht of Filter F (mg)	Filter + R (mg		Resid	due Weight (mg)	
1		9 116.2	119.4			3.2	Some water leaked at when bogs we bugged. Visible dust on filter
2	7.0	11-10	11. 47. 4				KANGE HENDE DASS OF THE
3							
4							
Tota	ls \	16.2	119.4			3.2	
A/	0						3450
vater	Quality B	ottles			Tota	I Volume of M	elted Snow: 3160 (mL)
		Bottle	Triple	Sample Type *	Sample Type *	Sample Type *	Sample Comments  DI Batch # for QAQC,
Filling Order	Analysis	Туре	Rinse	GW	туре		ocation preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube ( <b>x2</b> )	Υ	q			
2	Metals Dissolved	60 mL Falcon Tube ( <b>x2</b> )	Υ	Ø			÷
3	Total Mercury	40 mL clear glass (pre-preserved)	N				*
4	Nutrients	120 mL plastic (pre- preserved)	N	1			
5	Ammonia	40 mL glass vial (pre-preserved)	N	d,			
6	Routine	1000 mL plastic	Y	D			
7	TSS/Turb/pH	1000 mL plastic	Y	19/			
iona	I Informa	*Sample Type: GW	, DUPW1/DU	JPW2, FBV	I V, TBW, E ther proble	I I BW, REP1/REP2	2, Filter Blank ring sampling event, follow-up actions etc.)

Are			Snow	Sampling F	ield Sheet			7.7
Are						No:		/I-177-0312
			000			Revision	1	
	ective Date	7 1 2 2 2 2	6-Mar-2012			By:	D. D	Oul -
Гаѕ	K:	31	low Sampi	ng Field Sh	eet	Page:	1	of 3
						Page 3 for Re		cking Only not for Print
	ERAL	66						
OC	ATION NAME	:_ 503	2-1	DATE (yyyy-mr	nm-dd): <u>202</u>	10-01-12	TIME (2	4:00):1330
SAM	PLED BY:	552	MN	TYPE OF SA	AMPLE: Dust	<b></b> ✓ Water	Quality	QAQC: NA
			53755	9 -	714311711			10
				3 E_				
)ES	CRIPTION: D	istance to I	Diavik	_ km & Direction	NE	0	n: Land L	&/or Lake
	ATE CONDIT			5.1		-		
ir T	emp: <u>- 19</u>	_°C W	ind Direction:	W V	Vind Speed:	kts	5.	
			_			2	Selection 1	
			Not Visible		Cloud Cover: 0			
rec	ipitation: Rai	n / Mist / Sr	now (N/A		Snow Conditio	n: Crystallize	ed LM Paci	ked 🗌 Wet 🔲 Dry 💭
-		Danilla	Laurate	Mainlet of	Mainh of	Water		
	Core	Depth of	Length of Snow	Weight of Tube	Weight of Empty	Water Content-	Dust	Comments (core weighed, bag #
	Number	Snow	Core	& Core-	Tube-SWE	SWE	Present Yes/No	changes in snow
		(cm)	(cm)	SWE (cm)	(cm)	(cm)		condition)
Dust Cores	1	30	27	45	39.0	6	YN	Weighed
ores	2	30	28	16	39.0	7	Y (N)	*
	2	00	0.0	11/2	eller selle		V AL	
	3	30	29	46	31.0	7	Y (N)	
	4	29	29	45	31.0	6	YN	
			29		34.0 otal Water Con	tent SWE =/	YN	
			29	45 of 3 cores – To		6 tent SWE =/:	YN	
	4	29	29 Dust (Min.	45	39.0		Y N > 25)	
	1	29 29 29	29 Dust (Min. 28	45 of 3 cores – To 115 45			Y N > 25)	
	1 2	29	29 Dust (Min. 28 29 29	45 of 3 cores – To 115 45	39.0	6	Y N > 25) Y N Y N	Weined
	1 2 3	29 29 29 29	29 Dust (Min. 28 29 29 28	45 of 3 cores - To 45 45 45	39.0		Y N Y N Y N Y N Y N	Weighed
	1 2 3 4	29 29 29 29 29 27	29 Dust (Min. 28 29 29 28 27	45 of 3 cores – To 115 45 45 45 45	39.0	6 6	Y N Y N Y N Y N Y N	Weighed
	1 2 3 4 5	29 29 29 29 29 27 27	29 Dust (Min. 28 29 29 28 27 27	45 of 3 cores – To 115 45 45 45 45	39.0	0 0 0 0 0 0 0 0 0	Y N Y N Y N Y N Y N N N N N	Weighed
	1 2 3 4 5 6	29 29 29 29 27 27 28	29 Dust (Min. 28 29 29 28 27 27 27	45 of 3 cores - To 115 45 45 45 45	39.0	6 6	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Weighed
	1 2 3 4 5 6 7 8	29 29 29 29 27 27 28 29	29 Dust (Min. 28 29 29 28 27 27 27 27	45 of 3 cores - To 115 45 45 45 45 45 45 45	39.0 39.0 39.0 39.0 39.0 39.0 39.0	6 6 6 6 7	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Weighed
Water Quality Cores	1 2 3 4 5 6 7 8	29 29 29 29 27 27 28 29	29 Dust (Min. 28 29 29 28 27 27 27	45 of 3 cores - To 115 45 45 45 45 45 45 46 48	39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0	0 0 0 0 0 0 0 0 0	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Weighed
	1 2 3 4 5 6 7 8 9	29 29 29 29 27 27 28 29 28 28	29 Dust (Min. 28 29 29 28 27 27 27 27 27 27 27	45 of 3 cores - To 115 45 45 45 45 45 45 46 48	39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0	6 6 6 6 7	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Weighed
	1 2 3 4 5 6 7 8 9 10	29 29 29 29 27 27 28 29 28 29	29 Dust (Min. 28 29 29 29 20 27 27 27 27 27 27 27	45 of 3 cores - To 115 45 45 45 45 46 45 45	39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0	6 6 6 6 6 7 6	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Weighed
	1 2 3 4 5 6 7 8 9	29 29 29 29 27 27 28 29 28 28 29 30	29  Dust (Min. 28 29 29 29 27 27 27 29 29 29 29 29 29	45 of 3 cores - To 115 45 45 45 45 46 45 46 45 46 45 45	39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Weighed
	1 2 3 4 5 6 7 8 9 10	29 29 29 29 27 27 28 29 28 29 30	29  Dust (Min. 28 29 29 29 27 27 27 29 29 29 29 29 29	45 of 3 cores - To 115 45 45 45 45 46 45 45	39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Weighed
	1 2 3 4 5 6 7 8 9 10 11	29 29 29 29 27 27 28 29 28 29 30 w	29 Dust (Min. 28 29 29 29 27 27 29 29 29 29 29	45 of 3 cores - To 115 45 45 45 45 46 45 46 45 46 45 45	39.0 39.0 39.0 39.0 39.0 39.0 39.0 39.0	6 6 6 7 6 Content SWI	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	

13 78 7

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27 45 34 29 45 36

31. O

6

Area: Effect Task:	tive Date:	8000 26-Mar-20 Snow Sam		ield She	et	No: Revis By:		R9 D. [		
						Page 3	for Revi	2 sion Tra	of cking Only	3 not for Pr
Dust !	Sample Fil	Iters			Tota	I Volume of	Melted	Snow:	890	2
Filte		ht of Filter I	Filter + F	1000	Resi	due Weigh (mg)	nt	C	ommen	ts
1	114	, 9	137.			22.8	15+ 6 V(a)	ing les	ked into	and bu
2	113	,2	114.			0.9	7.5	7.50	J. 100	10
3										
4				1						
Tota	als 228	).	251	.8		23.7				
Water	Quality B	ottles			Tota	al Volume of	Melted	Snow	3435	5
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *		DI Batc on prese	e Comments h # for QAQ ved if not in	<u>C</u> ,
1	Metals Total	60 mL Falcon Tube (x2)	Υ	\Q \Q				C	hanges	
2	Metals Dissolved	60 mL Falcon Tube (x2)	Υ	Ø						
3	Total Mercury	40 mL clear glass (pre-preserved)	N							
4	Nutrients	120 mL plastic (pre preserved)	N							
5	Ammonia	40 mL glass vial (pre-preserved)	N	Ø,						
6	Routine	1000 mL plastic	Υ	1						
7	TSS/Turb/pH	1000 mL plastic	Υ							
color, o		*Sample Type: GW ation ple: (equipment issue	es, safety co	oncems, wea					event, follow	-up action

۱re			Snow	Sampling F	ield Sheet			1.004.5.5
A LC	2.	00	200			No:	-	/I-177-0312
	a: ective Dat		000 6-Mar-2012			Revision By:	n: <u>R9</u> D. D	Out
as				ing Field Sh	eet	Dy.	D. L	oui
			•			Page:	1	of 3
	ERAL							
oc	ATION NAME	556	2-2	DATE (yyyy-mr	nm-dd): <u>20</u>	20-04-12	TIME (2	4:00): 1305
AM	PLED BY: _	552	MN	TYPE OF SA	AMPLE: Dust	Wate	r Quality	V QAQC: NA
DC	COOPDINAT	FEQ /LITAN)	5377	60 E	7153435	NI.	(=o=o)	13
ES	CRIPTION: D	istance to I	Diavik 0.113	km & Direction	NET .	NF C	on: Land	%/or Lake
			3.GVIII	_ Kill & Direction			m. Lana _	
	ATE CONDI		ind Divasti	_ W v	Vind Case de	5	lo.	
r ı	emp:	_ C W	ina Direction:	7 W	vina Speea:	kt	s.	
ıst	in Area: Vis	ible 🗌	Not Visible	ľ (	Cloud Cover:	0%/10%/2	5% / 50% /	75% / 100%
rec	ipitation: Rai	n / Mist / Sr	now / N/A		Snow Condition	n: Crystallize	ed 🗹 Pac	ked 🗌 Wet 🔲 Dry 📈
			T				T	
	Core	Depth of	Length of Snow	Weight of Tube	Weight of Empty	Water Content-	Dust	Comments (core weighed, bag #,
	Number	Snow	Core	& Core-	Tube-SWE	SWE	Present	changes in snow
1	Maniper	0	OOIC	or core-	Tube-San	SAAE	Yes/No	
,		(cm)	(cm)	SWE (cm)	(cm)	(cm)	Yes/No	condition)
	1	(cm) 31	(cm) 31	SWE (cm)	(cm)		Y (N)	condition)
7	1 2	(cm) 31	(cm) 3l 31	SWE (cm)	(cm) 39 34	(cm)	Y N	condition)
0	1 2 3	(cm) 31 31 31	(cm) 31 31	<b>SWE (cm)</b> 47 47 49	(cm) 39 34 34	(cm) 8	Y N Y N Y N	condition)
Direct Corne	1 2	(cm) 31	(cm) 31 31 34 33	SWE (cm) 47 47 48	(cm) 39 34 34 39	(cm) 8 8 9	Y N Y N Y N	
Dust Cores	1 2 3 4	(cm) 31 31 34 34	(cm) 31 31 34 33 Dust (Min.	SWE (cm) 47 49 48 of 3 cores – To	(cm) 39 34 34 39	(cm) 8 8 9	Y N Y N Y N Y N > 25)	condition)
Dust Cores	1 2 3	(cm) 31 31 31 34 34	(cm) 31 31 34 33 Dust (Min.	SWE (cm) 47 48 of 3 cores - To	(cm) 39 34 34 39 otal Water Con	(cm) 8 8 9	Y N Y N Y N	condition)
Diet Cores	1 2 3 4	(cm) 31 31 34 34 34	(cm) 31 31 33 33 Dust (Min.	SWE (cm) 47 49 48 of 3 cores – To	(cm) 39 34 34 39	(cm) 8 9 9 9 1 9 tent SWE =/	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)
	1 2 3 4	(cm) 31 31 34 34 34 34	(cm) 31 31 33 Dust (Min.) 33 34 34	SWE (cm) 47 48 of 3 cores – To	(cm) 39 34 39 otal Water Con 39 39	(cm) 8 8 9	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)
	1 2 3 4	(cm) 31 31 31 34 34 34 37 33	(cm) 31 31 33 33 Dust (Min.	SWE (cm) 47 48 of 3 cores - To 47 47 47	(cm) 39 34 39 39 39 39	(cm) 8 9 9 9 1 9 tent SWE =/	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)
	1 2 3 4	(cm) 31 31 31 34 34 34 37 33	(cm) 31 31 31 33 Dust (Min. 33 34 34 34 33 31	SWE (cm) 47 48 of 3 cores – To	(cm) 39 34 39 39 31 39 39 39	(cm) 8 9 9 4 9 tent SWE =/	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)
	1 2 3 4 1 2 3 4 5	(cm) 31 31 31 34 34 34 37 33	(cm) 31 31 33 Dust (Min. 33 34 34 34 35 31 31 32	SWE (cm) 47 48 48 of 3 cores - To 47 47 47 47	(cm) 39 34 39 39 39 39	(cm) 8 9 9 9 1 9 tent SWE =/	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	weighed majed
	1 2 3 4 1 2 3 4 5 6	(cm) 31 31 31 34 34 34 34 33 31 33	(cm) 31 31 31 33 Dust (Min. 33 34 34 34 33 31	SWE (cm) 47 48 48 of 3 cores - To 47 47 47 47 47 47 47	(cm) 39 34 39 39 39 39 39 39	(cm) 8 9 9 4 9 tent SWE =/	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)
	1 2 3 4 1 2 3 4 5 6 7	(cm) 31 31 31 34 34 34 37 33 31 33	(cm) 31 31 31 33 Dust (Min. 33 34 34 35 31 31 31	SWE (cm) 47 48 of 3 cores - To 47 47 47 47 47 47 47 47 46 47 41	(cm) 39 34 34 39 stal Water Con 39 39 39 39	(cm)  8  9  4  4  5  8  8  8  8  8	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	weighed majed
Diest Cores Water Orgality Cores	1 2 3 4 5 6 7 8	(cm) 31 31 31 34 34 34 33 31 33 31	(cm) 31 31 31 33 Dust (Min. 33 34 34 34 33 31 32 31	SWE (cm) 47 48 48 of 3 cores - To 47 47 47 47 47 47 47	(cm) 39 34 34 39 stal Water Con 39 39 39 39 39	(cm)  8  9  4  4  5  8  8  8  8  8	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	weighed majed
	1 2 3 4 1 2 3 4 5 6 7 8 9	(cm) 31 31 31 34 34 34 33 31 33 31 32	(cm) 31 31 31 33 Dust (Min. 33 34 34 34 33 31 32 31 30 31	SWE (cm) 47 48 48 of 3 cores - To 47 47 47 47 47 47 46 47 46 47	(cm) 39 34 34 39 39 39 39 39 39 39 39	(cm) 8 9 9 4 9 tent SWE =/	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	weighed majed
	1 2 3 4 1 2 3 4 5 6 7 8 9	(cm) 31 31 31 34 34 34 33 31 33 31 31	(cm) 31 31 31 33 Dust (Min. 33 34 34 34 35 31 30 31	SWE (cm) 47 48 48 of 3 cores - To 47 47 47 47 47 47 46 47 46 47	(cm) 39 39 39 39 39 39 39 39 39 39 39 39 39	(cm) 8 9 9 4 9 tent SWE =/	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	weight muscle

\*\* Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

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Area: Effect Task:	tive Date:	8000 26-Mar-20 Snow San		ield She	et	No: Revis By:		R9		
						Page 3	for Revi	2 sion Tra	Of cking Only r	3 not for Pr
Dust:	Sample Fi	Iters			Tota	l Volume o	f Melted	Snow	1120	(
Filte	r# Weig	ht of Filter (mg)	Filter + F (m	Residue g)	Resid	due Weig (mg)			omment	s
1	114.3		128.3		11	1.0	Vis	ble dus	on-filter	
2										
3										
4 Tota	de live		1000	2	1	A				
TOLO	als     4	3	1283			14.0				
Water	Quality E	ottles			Tota	l Volume o	f Melted	Snow	342	5
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	Locatio	DI Bato on prese	le Comments h # for QAQ rved if not in the	2,
4	Metals Total	60 mL Falcon Tube (x2)	Y	M					manges	
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y	Ø						
3	Total Mercury	40 mL clear glass (pre-preserved)	N	Ø						
4	Nutrients	120 mL plastic (pre preserved)	N							
5	Ammonia	40 mL glass vial (pre-preserved)	N	Ø						
6	Routine	1000 mL plastic	Υ	0						
7	TSS/Toro/pH	1000 mL plastic	Y	D/						
color, o		*Sample Type: GW ation ble: (equipment issue	es, safety co	oncerns, wea					event, follow-	up actions

			Snow	Sampling F	ield Sheet				
						No:	ENV	/I-177-031	12
Are		1	000			Revision	-		
	ective Dat		6-Mar-2012		70.70	Ву:	D. D	ul	
Tas	K:	Sr	now Sampl	ing Field Sh	eet	Dawe	1	of	3
				1		Page:		OI cking Only no	
	ERAL	1		,	ter.			21.	20.
LOC	ATION NAME	555	1-3-4	DATE (yyyy-mr	nm-dd): <u>20</u>	20-04-12	TIME (2	4:00):	52
SAM	PLED BY:	552	MN	TYPE OF SA	AMPLE: Dust	Water	Quality F	QAQC:	DUP
								41 00000	
				85E					
DES	CRIPTION: D	istance to I	Diavik 1. 20	_ km & Direction	- NE	0	n: Land	&/or Lake	$\vee$
CLIN	IATE CONDIT	TIONS							
Air T	emp: - 19	°C W	ind Direction:	_W_ w	Vind Speed:	< kts	s.		
	omp	- "	ina Bircodoni.	7	ти орсси				
)ust	in Area: Vis	ible 🔲	Not Visible		Cloud Cover:	0% / 10% / 25	5% / 50% /	75% / 100%	
	ipitation: Rai				Snow Condition	n: Crystallize	ed Pack	ked Wet [	Dry M
_		Depth	Length	Weight of	Weight of	Water		Com	ments
		Debill			anoignic or	80000		COIII	IIICIIIS
	Core	of	of Snow	Tube	Empty	Content-	Dust Present	(core weig	hed, bag #
Du	Core Number	of Snow	of Snow Core	Tube & Core-	Empty Tube-SWE	Content- SWE	Dust Present Yes/No	(core weig	
Dust (		of Snow (çm)	of Snow Core (cm)	Tube & Core- SWE (cm)	Empty Tube-SWE (cm)	Content- SWE (cm)	Present	(core weig changes cond	jhed, bag # s in snow dition)
Dust Core	Number	of Snow (cm)	of Snow Core (cm)	Tube & Core- SWE (cm)	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No	(core weig	jhed, bag # s in snow dition)
Dust Cores	Number 1	of Snow (cm) 34	of Snow Core (cm)	Tube & Core- SWE (cm) 48	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No	(core weig changes cond	jhed, bag # s in snow dition)
<b>Dust Cores</b>	Number 1 2	of Snow (cm)	of Snow Core (cm)	Tube & Core- SWE (cm)	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N	(core weig changes cond	jhed, bag # s in snow dition)
Dust Cores	Number  1 2 3	of Snow (cm) 34	of Snow Core (cm) 31	Tube & Core- SWE (cm) 48 49	Empty Tube-SWE (cm) 39 39	Content- SWE (cm) 9 9	Present Yes/No Y N Y N Y N Y N	(core weig changes cond	jhed, bag # s in snow dition)
Dust Cores	Number  1 2 3 4	of Snow (cm) 34 34 34	of Snow Core (cm) 31 31 Dust (Min.	Tube & Core- SWE (cm) 48 49 vy	Empty Tube-SWE (cm) 39 39 31	Content- SWE (cm) 9 9	Present Yes/No Y N Y N Y N Y N	(core weig changes cond	jhed, bag # s in snow dition)
Dust Cores	Number  1 2 3 4	of Snow (cm) 34 34 34	of Snow Core (cm) 31 31 31 Dust (Min.	Tube & Core- SWE (cm) 48 48 49 of 3 cores – To	Empty Tube-SWE (cm) 39 39	Content- SWE (cm) 9 9	Present Yes/No YN	(core weig changes cond	jhed, bag # s in snow dition)
Dust Cores	Number  1 2 3 4	of Snow (cm) 34 34 34 34	of Snow Core (cm) 31 31 31 Dust (Min.	Tube & Core- SWE (cm) 48 49 49 of 3 cores – To	Empty Tube-SWE (cm) 39 39 31 Otal Water Con	Content- SWE (cm) 9 9 4 10	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weig changes cond	jhed, bag # s in snow dition)
Dust Cores	1 2 3 4 1 2 3 3	of Snow (cm) 34 34 34	of Snow Core (cm) 31 31 31 Dust (Min. 35 35	Tube & Core- SWE (cm) 48 49 49 49 of 3 cores – To	Empty Tube-SWE (cm) 39 39 31  otal Water Con 39 39	Content- SWE (cm)  9  9  tent SWE =/2	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weig changes cond	jhed, bag # s in snow dition)
	1 2 3 4 1 2 3 4 4	of Snow (cm) 34 34 34 34	of Snow Core (cm) 31 31 31 Dust (Min.	Tube & Core- SWE (cm) 48 49 49 of 3 cores – To	Empty Tube-SWE (cm) 39 39 31  otal Water Con 39 39 39	Content- SWE (cm) 9 4 4 tent SWE = 12 10 9 9	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weig changes cond	jhed, bag # s in snow dition)
	1 2 3 4 1 2 3 3	of Snow (cm) 34 34 34 34 36 36	of Snow Core (cm) 31 31 31 Dust (Min. 35 35	Tube & Core- SWE (cm) 48 49 49 49 of 3 cores – To	Empty Tube-SWE (cm) 39 39 31  otal Water Con 39 39	Content- SWE (cm)  9  9  tent SWE =/2	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weig changes cond	jhed, bag # s in snow dition)
	1 2 3 4 1 2 3 4 4	of Snow (cm) 34 34 34 34 36 36 35 34 34	of Snow Core (cm) 31 31 31 Dust (Min. 35 35 31	Tube & Core- SWE (cm) 48 49 49 49 49 49 49	Empty Tube-SWE (cm) 39 39 31  otal Water Con 39 39 39	Content- SWE (cm) 9 4 4 tent SWE = 12 10 9 9	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weig changes cond	jhed, bag # s in snow dition)
	Number  1 2 3 4  1 2 3 4 5	of Snow (cm) 34 34 34 36 36 35 34 34 36	of Snow Core (cm) 31 31 31 Dust (Min. 35 35 31 34 39	Tube & Core- SWE (cm) 48 48 49 49 49 49 48 47	Empty Tube-SWE (cm) 39 39 31  otal Water Con 39 39 39 39	Content- SWE (cm)  9  4  10  9  6  8	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weight changes cond	jhed, bag # s in snow dition)
Dust Cores Water Quality Co	1 2 3 4 5 6	of Snow (cm) 34 34 34 36 36 36 37	of Snow Core (cm) 31 31 31 Dust (Min. 35 35 31 34 39 36 37	Tube & Core- \$WE (cm)  48  48  49  49  49  49  49  49  49  49	Empty Tube-SWE (cm) 39 39 31  otal Water Con 39 39 39 39 39	Content- SWE (cm) 9 4 4 10 10 9 113	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weight changes cond	jhed, bag # s in snow dition)
	1 2 3 4 5 6 7	of Snow (cm) 34 34 34 36 36 35 34 34 36	of Snow Core (cm) 31 31 31 31 Dust (Min. 35 35 31 34 39 30 37	Tube & Core- SWE (cm) 48 48 49 49 49 49 48 47	Empty Tube-SWE (cm) 39 39 31  otal Water Con 39 39 39 39 39 39 39 39 39	Content- SWE (cm) 9 9 10 10 9 10 10 10 10 10 10 10 10 10 10 10 10 10	Present Yes/No YN	(core weight changes cond	jhed, bag # s in snow dition)
Dust Cores Water Quality Cores	1 2 3 4 5 6 7 8	of Snow (cm) 34 34 34 36 35 34 37 37	of Snow Core (cm) 31 31 31 31 Dust (Min. 35 35 31 34 39 39 37 37	Tube & Core- \$WE (cm) 48 49 49 49 49 49 49 49 49 47 50 52 52	Empty Tube-SWE (cm) 39 39 31  otal Water Con 39 39 39 39 39 39 39 39 39 39 39 39	Content- SWE (cm)  9  9  tent SWE =/3  10  10  9  11  13  13	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weight changes cond	jhed, bag # s in snow dition)
	1 2 3 4 5 6 7 8 9	of Snow (cm) 34 34 34 36 36 36 37 34 37	of Snow Core (cm) 31 31 31 31 Dust (Min. 35 35 31 34 39 30 37	Tube & Core- \$WE (cm) 48 49 49 49 49 49 49 49 49 49 48 47 50 52	Empty Tube-SWE (cm) 39 39 31  otal Water Con 39 39 39 39 39 39 39 39 39	Content- SWE (cm) 9 9 10 10 9 10 10 10 10 10 10 10 10 10 10 10 10 10	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	(core weight changes cond	jhed, bag # s in snow dition)

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Effecti Task:	ive Date:		8000 26-Mar-2012 Snow Sampling Field Sheet			No: Revis By:	R9 D. I	Dul		
						Page:	for Rev	2 rision Tra	Of acking Onl	3 ly not for Pr
Dust S	Sample Fil	Iters			Tota	I Volume of	Melted	l Snow	90	05
Filter		ht of Filter F	Filter + R (mç	32.20.20.20.20.20	Resid	due Weigh (mg)	nt	(	Comme	nts
1	113	5.5	121.7	31		(mg)		ible d	lust on	file
2	46	3	116.3	+						
3										
4 Total	110					2 2				
Tota	IS N	3.5	1217			8.2				2010
Water	Quality B	ottles			Tota	al Volume of	Meltec	d Snow	: 374	10-3610
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	Locati	DI Bato ion prese	ole Comme ch # for QA erved if not changes	
1	Metals Total	60 mL Falcon Tube ( <b>x2</b> )	Y	Ø					chariges	
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y	Q						
3	Total Mercury	40 mL clear glass (pre-preserved)	N	Ø		â				
4	Nutrients	120 mL plastic (pre- preserved)	N							
5	Ammonia	40 mL glass vial (pre-preserved)	N							
6	Routine	1000 mL plastic	Y		П					
7	TSS/Turb/pH	5000 1000 mL plastic	Y	D/						
	al Informa dor if applicab	*Sample Type: GW ation ble: (equipment issue								ow-up actior

			Snow	Sampling F	<u>-ieid Sneet</u>			
						No:	EN	VI-177-0312
Are			000			Revision		
	ective Date		-Mar-2012			Ву:	D. [	Dul
Tas	sk:	Sr	now Sampl	ing Field Sh	eet	D	2	
						Page: Page 3 for R	1 Revision Tra	of 3
	ERAL		2 -					1000
								24:00): 1222
SAM	PLED BY:	552 M	N	TYPE OF SA	AMPLE: Dust	Wate	r Quality	QAQC: PUP2
GPS	COORDINAT	ES (UTM):	0000	F	110 5730	N	(zone)	&/or Lake
JES	CRIPTION: D	stance to L	Diavik	_ km & Direction	NE NE	c	n: Land L	&/or Lake
LIN	ATE CONDIT	IONS						
ie T	omn19	°C 14/	ind Direction:	1.1	Vind Speed:	5		
Ŧ	Core	Depth	Length of Snow	Weight of	Weight of Empty	Water Content-	Dust	Comments
	3364747.57	OT	or Snow	Tube	-mntv			
Dus	Number	Snow (cm)	Core (cm)	& Core-	Tube-SWE	SWE (cm)	Present Yes/No	(core weighed, bag # changes in snow condition)
Dust C	number 1	7,700,771	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 (4117.4)	Tube-SWE (cm)	SWE		changes in snow
Dust Cores	Section Profit	(cm)	(cm) 39	& Core- SWE (cm)	Tube-SWE (cm) 39	SWE (cm)	Yes/No	changes in snow condition)
Dust Cores	1	(cm) 39	(cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Yes/No Y N	changes in snow condition)
Dust Cores	1 2	(cm) 39 40	(cm) 39 40	& Core- SWE (cm)	Tube-SWE (cm) 39	SWE (cm) 14	Yes/No Y N	changes in snow condition)
Dust Cores	1 2 3	(cm) 39 40	(cm) 39 40 40	& Core- SWE (cm)	Tube-SWE (cm) 39 39 39	SWE (cm) 14 12	Yes/No Y N Y N Y N Y N Y N	changes in snow condition)
Dust Cores	1 2 3	(cm) 39 40	(cm) 39 40 40	& Core- SWE (cm) 53 51 57	Tube-SWE (cm) 39 39 39	SWE (cm) 14 12	Yes/No Y N Y N Y N Y N Y N	changes in snow condition)
Dust Cores	1 2 3 4	(cm) 39 40 40	(cm) 39 40 40 Dust (Min.	& Core- SWE (cm) 53 51 5/ of 3 cores - To	Tube-SWE (cm) 39 39 39	SWE (cm)	Yes/No	changes in snow condition)
Dust Cores	1 2 3 4	(cm) 39 40 40	(cm) 36 40 40	& Core- SWE (cm) 53 5   5   of 3 cores - To	Tube-SWE (cm) 39 39 39 otal Water Con 39	SWE (cm) 14 12 12 12 tent SWE =/	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)
	1 2 3 4 1 2 1 2	(cm) 36 40 40 40 35 39	(cm) 36 40 40 40 Dust (Min. 35 38	& Core- SWE (cm) 53 5   5 / of 3 cores - To	Tube-SWE (cm) 39 39 39 otal Water Con 39 39	SWE (cm) 14 12 12 tent SWE =/	Yes/No Y N Y N Y N Y N Y N > 25) Y N	changes in snow condition)
	1 2 3 4 1 2 3 3	(cm) 39 40 40 40 35 39 40	(cm) 39 40 40 40 Dust (Min. 35 38 40	& Core- SWE (cm) 53 5   5 / of 3 cores - To	Tube-SWE (cm) 39 39 39 otal Water Con 39 39 39	SWE (cm) 14 12 12 12 tent SWE =/	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)
	1 2 3 4	(cm) 36 40 40 35 39 40 40	(cm) 36 40 40 40 Dust (Min. 35 38 40 40	& Core- SWE (cm) 53 51 57 of 3 cores – To	Tube-SWE (cm) 39 39 39 31 31 31 31 31 31 31 31 31 31	SWE (cm) 14 12 12 tent SWE =/	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)  Weight
	1 2 3 4 5 5	(cm) 36 40 40 40 35 39 40 40 42 43	(cm) 39 40 40 40 Dust (Min. 35 38 40 40 41	& Core- SWE (cm) 53 51 57 of 3 cores - To 48 50 50 51 52	Tube-SWE (cm) 39 39 39 31 31 31 31 31 31 31 31 31 31 31 31 31	SWE (cm) 14 12 12 12 14 11 11 12	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)
Dust Cores Water Quality Co	1 2 3 4 5 6	(cm) 39 40 40 40 35 39 40 40 42 43	(cm) 36 40 40 40 Dust (Min. 35 38 40 40 41 43 44	& Core- SWE (cm) 53 51 57 of 3 cores - To 48 48 50 50 51 52 53	Tube-SWE (cm) 39 39 39 39 39 39 39 39 39 39 39 39	SWE (cm) 14 12 12 12 14 12 11 11 12 13 19	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)  Weight
Dust Cores Water Quality Cores	1 2 3 4 5 6 7	(cm) 36 40 40 40 35 39 40 40 42 43 44	(cm) 36 40 40 40 Dust (Min. 35 38 40 40 41 43 44	& Core- SWE (cm) 53 51 51 51 of 3 cores - To 48 50 50 51 52 53 51	Tube-SWE (cm) 39 39 39 39 39 39 39 39 39 39 39	SWE (cm) 14 12 12 12 14 12 11 11 12 13 19 12	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)  Weight
	1 2 3 4 5 6 7 8	(cm) 39 40 40 40 35 39 40 40 42 43	(cm) 36 40 40 40 Dust (Min. 35 38 40 40 41 43 44	& Core- SWE (cm) 53 5   5   5 / of 3 cores - To 48 48 50 50 51 52 53	Tube-SWE (cm) 39 39 39 39 39 39 39 39 39 39 39 39	SWE (cm) 14 12 12 12 14 12 11 11 12 13 19	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)  Weight

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Document #: ENVI-134-0112 R6 Effective Date: 01-January-2012

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<sup>\*\*</sup> Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> - Wt. of Empty Tube<sub>SWE</sub> \*\*

Area: Effect Task:	ive Date:	8000 26-Mar-20 Snow Sam	20.00	ield She	et	No: Revision By:	D. Dul  2 of 3
Dust \$	Sample Fi	Iters			Tota		r Revision Tracking Only not for Pri
Filte	r# Weig	ht of Filter I	Filter + F	Residue g)	Resid	due Weight (mg)	
1	1	5.0	121.1			6.1	Triple bugged , Visible dust
2					)		
3							
Tota	ls I	5.0	121-1			6.1	
			10.111				2014
Water	Quality B	ottles			Tota	I Volume of N	Melted Snow: 3460 (
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	Sample Comments <u>DI Batch # for QAQC</u> ,  Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube (x2)	Y	M			
2	Metals Dissolved	60 mL Falcon Tube (x2)	Υ	4			
3	Total Mercury	40 mL clear glass (pre-preserved)	N				
4	Nutrients	120 mL plastic (pre preserved)	N				
5	Ammonia	40 mL glass vial (pre-preserved)	N				
	Routine	1000 mL plastic	Y	M			
6	TSS/Turb/pH	1000 mL plastic	Y	Ø			
6				Lette sel	V salv. E	DIA DED4/DED	a en les e
7 tiona			es, safety co				'2, Filter Blank uring sampling event, follow-up actions

			Snow	Sampling F	ield Sheet				
						No:	-	VI-177-0312	
Are		1000	000			Revision	_		
	ective Dat		6-Mar-2012			Ву:	D.	Dul	-
Tas	sk:	Si	low Sampl	ing Field Sh	eet	Page:	4	of 3	
							evision Tr	acking Only not for	
	ERAL	4	i.						
_OC	ATION NAMI	551-	4	DATE (yyyy-mr	mm-dd): <u>1010</u>	7-04-11	TIME (	24:00): 10 06	
SAM	PLED BY: _	AH GC	SS2	TYPE OF SA	AMPLE: Dust	Water	Quality	QAQC:	1/A
CDS	COORDINA	TES (LITM):	539,47	E	71541086	N/	zono)	12	/
								&/or Lake	r
			JIAVIK	_ KIII & DIFECTION	INL	0	n. Land [	o/or Lake [V	7
	ATE CONDI								
ir T	emp: R	_'C W	ind Direction:	NW V	Vind Speed: _	\O kts	s.		
	-21			7				CB TITL	
)ust	in Area: Vis	ible	Not Visible 🔽		Cloud Cover: (	0% / 10% / 25	5% / 50%	/75% / 100%	
rec	ipitation: Ra	in / Mist / Sr	now / N/A		Snow Condition	n: Crystallize	ed 🔲 Pa	cked 🔲 Wet 🔲 🛭	Ory 🖳
	0	Depth	Length	Weight of	Weight of	Water	Dust	Comme	
	Core Number	of Snow	of Snow Core	Tube & Core-	Empty Tube-SWE	Content- SWE	Presen		
Dus	rumbor	(cm)	(cm)	SWE (cm)	(cm)	(cm)	Yes/No	condition	n)
n n	1	42	31	49	40	9	YN	hardpack ;	40
Dust Cores	2	1/2	32	51	40	11	YN		
(I)	3	41	29	50	110	10	YON		
	4						-		
							YN		
			Dust (Min.	of 3 cores - To	otal Water Con	tent SWE =/>			
	1	41	Dust (Min.	of 3 cores – To	otal Water Con	tent SWE =/>		Downight - NO C	harry
	1 2	41					> 25)	Downight-NOC	havy
			40 30	52	40	(2	> 25) Y (N	Downight - N & C	trand
W	2	42	40 30 31	52 50 51	40	(2	> 25) Y (N		
Water	3	42 40	40 30	52 50 51	40	(2	> 25) Y (N Y (N	Downght-wood	
Water Qu	2 3 4	42 40 41	90 31 33 31	52 50 51 51	40 40 40	(2 (0 (1	> 25) Y (N Y (N Y (N) Y (N)		
Water Quality	2 3 4 5	42 40 41	30 31 33 31 30	52 50 51 51 51 50	40 40 40 40 40 40	(Z (O () ()	Y (N Y (N Y (N) Y (N) Y (N)		
Water Quality Co	2 3 4 5 6	42 40 41 41	90 31 33 31	52 50 51 51 50 51	40 40 40 40 40 40 40	(Z (O (I (I (I	Y (N)		
Water Quality Cores	2 3 4 5 6 7	42 40 41 41 41 40	90 31 33 31 30 38 38	52 50 51 51 50 51 51	40 40 40 40 40 40 40 40	(Z (0 (1 (1 11 10 11	Y (N)		1140
Water Quality Cores	2 3 4 5 6 7 8	42 40 41 41 41 40 40 40	90 31 33 31 30 38 38	52 50 51 51 50 51 51 51	40 40 40 40 40 40 40 40	(Z (0 (1 (1 (1 (0 (1) (1) (1)	Y (N)	maragh - m	1140
Water Quality Cores	2 3 4 5 6 7 8 9	42 40 41 41 41 40 40	90 31 33 31 30 38 38	52 50 51 51 50 51 51	40 40 40 40 40 40 40 40	(Z (0 (1 (1 11 10 11	Y (N)	maragh - m	1140
Water Quality Cores	2 3 4 5 6 7 8 9	42 40 41 41 41 40 40 40	90 31 33 31 30 38 38	52 50 51 51 50 51 51 51	40 40 40 40 40 40 40 40	(Z (0 (1 (1 (1 (0 (1) (1) (1)	Y (N)	maragh - m	1140

<sup>\*\*</sup> Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> - Wt. of Empty Tube<sub>SWE</sub> \*\*

Area: Effect Task:	tive Date:	8000 26-Mar-20 Snow Sam				No:	ision:	ENVI-177-0312 R9 D. Dul
				Total Información		Pag Page	e: 3 for Revi	2 of 3
Dust :	Sample Fi	Iters Bag+zip:090			Tota	l Volume	of Melted	Snow: 990
Filte		ht of Filter F (mg)	Filter + Re		Resid	due Wei	ght	Comments
1		3.4	115.3			1.9	4/3	little visable dust
2								
3								
Tota	als //3	3.4	115.3		1.	9		
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *		Sample Type *		Sample Comments  DI Batch # for QAQC, on preserved if not in field, labe changes
1	Metals Total	60 mL Falcon Tube (x2)	<b>Y</b>	Ø				
2	Metals Dissolved	60 mL Falcon Tube ( <b>x2</b> )	9	ÞX				
	Total	40 mL clear glass (pre-preserved)	(2)	A				
3	Mercury	(his hisserial)		-				
3	Mercury	120 mL plastic (pre- preserved)	- (N)	X				
		120 mL plastic (pre-	N N	N N				
4	Nutrients	120 mL plastic (pre- preserved) 40 mL glass vial						
4 5	Nutrients Ammonia	120 mL plastic (pre- preserved) 40 mL glass vial (pre-preserved)	N	A				
4 5 6 7 <b>tiona</b>	Nutrients  Ammonia  Routine  TSS/Turb/pH	120 mL plastic (pre- preserved) 40 mL glass vial (pre-preserved) 1000 mL plastic 1000 mL plastic *Sample Type: GW	N Y Y OUPW1/DU	JPW2, FBV	U U	BW, REP1/		er Blank ampling event, follow-up action

							ENV	/1-177-0	312
Are			000	-		Revision			
	ctive Dat		-Mar-2012			Ву:	D. D	)ul	
Tas	K:	51	iow Sampi	ing Field Sh	eet	Degas	1	of	3
						Page: Page 3 for R			
GEN	ERAL					13			
LOC	ATION NAME	SS3-L	1	DATE (yyyy-mr	mm-dd): 🗟 🕰	1-04-12	TIME (2	4:00):/	1015
SAM	PLED BY:	16 552		TYPE OF SA	AMPLE: Dust	₩ Water	Ouality F	V 040	c. N/A
									1
				13 E		N (	zone)	14	
DES	CRIPTION: D	istance to D	Diavik_ 0,57	_ km & Direction	5E	0	n: Land		ake 🔽
~1 IN/	ATE CONDI	TIONS							
	ATE CONDI			- 11		2			
ir T	emp:	_°C Wi	nd Direction:	_W v	Vind Speed: _	kt	s.		
		1						1	
June								OV 1 400	
			Not Visible		Cloud Cover: (				
	in Area: Vis pitation: Rai				Cloud Cover: ( Snow Condition				
	pitation: Rai	n / Mist / Sn Depth	Length	Weight of	Snow Condition  Weight of	n: Crystallize	ed 🔲 Paci	ked 🖾 We	et Dry Dry omments
Prec	pitation: Rai	n / Mist / Sn Depth of	Length of Snow	Weight of Tube	Snow Condition  Weight of  Empty	water Content-		Co (core we	omments
Prec	pitation: Rai	Depth of Snow	Length of Snow	Weight of Tube & Core-	Weight of Empty Tube-SWE	Water Content-	Pacl	Co (core we	et Dry Dry omments
Prec	pitation: Rai	n / Mist / Sn Depth of	Length of Snow Core (cm)	Weight of Tube & Core- SWE (cm)	Snow Condition  Weight of  Empty	water Content-	Dust Present	Co (core we	omments eighed, bag #, ges in snow
Prec	pitation: Rai 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	Co (core we	omments eighed, bag #, ges in 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	Co (core we	omments eighed, bag #, ges in snow
Prec	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	Co (core we	omments eighed, bag #, ges in snow
Prec	Core Number	Depth of Snow (cm)	Length of Snow Core (cm) 36 46	Weight of Tube & Core- SWE (cm)	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm) /2	Dust Present Yes/No Y N Y N Y N	Co (core we	omments eighed, bag #, ges in snow
Prec	Core Number  1 2 3 4	Depth of Snow (cm) 45	Length of Snow Core (cm) 36 46 36 Dust (Min.	Weight of Tube & Core- SWE (cm) SO SO	Weight of Empty Tube-SWE (cm) 3%	Water Content- SWE (cm) /2	Dust Present Yes/No Y N Y N Y N Y N	Co (core we	omments eighed, bag #, ges in snow
Prec	Core Number  1 2 3 4	Depth of Snow (cm)	Length of Snow Core (cm) 36 46 36 Dust (Min.	Weight of Tube & Core- SWE (cm) SO SO of 3 cores – To	Weight of Empty Tube-SWE (cm)	Water Content- SWE (cm) /2	Dust Present Yes/No Y N Y N Y N Y N Y N Y N	Co (core we	omments eighed, bag #, ges in snow
Prec	Core Number  1 2 3 4	Depth of Snow (cm) 45 45 45 45	Length of Snow Core (cm) 36 46 Dust (Min. 46 32	Weight of Tube & Core- SWE (cm) SO SO of 3 cores – To	Weight of Empty Tube-SWE (cm) 3% 3% otal Water Con	Water Content-SWE (cm)	Dust Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N	Co (core we	omments eighed, bag #, ges in snow
Prec Dust Cores	Core Number  1 2 3 4	Depth of Snow (cm) 45 45 45 45 47	Length of Snow Core (cm) 36 46 36 Dust (Min.	Weight of Tube & Core- SWE (cm) SO SO SO of 3 cores - To	Weight of Empty Tube-SWE (cm) 38 38 38 38	Water Content- SWE (cm) /2	Dust Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Co (core we	omments eighed, bag #, ges in snow
Prec Dust Cores	Core Number  1 2 3 4	Depth of Snow (cm) 45 45 45 45 47 47	Length of Snow Core (cm) 36 46 Dust (Min. 46 32	Weight of Tube & Core-SWE (cm) SO	Weight of Empty Tube-SWE (cm) 3% 3% otal Water Con 38 3% 3%	Water Content-SWE (cm) 12 12 12 14 12 14	Dust Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Co (core w chang	omments eighed, bag #, ges in snow
Prec Dust Cores	Core Number  1 2 3 4  1 2 3 4  5	Depth of Snow (cm) 45 45 45 45 47	Length of Snow Core (cm) 36 46 36 Dust (Min. 40 32 43 45	Weight of Tube & Core-SWE (cm) SO	Weight of Empty Tube-SWE (cm) 3% 3% otal Water Con 38 38 38 38 38 38 38	Water Content-SWE (cm) 12 12 12 12 14 12 16	Dust Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Co (core w chang	et Dry Dry mments eighed, bag #, ges in snow ondition)
Prec Dust Cores	Core Number  1 2 3 4 1 2 3 4 5 6	Depth of Snow (cm) 45 45 45 47 47 47	Length of Snow Core (cm) 36 46 36 31 43 45 46	Weight of Tube & Core-SWE (cm) SO	Weight of Empty Tube-SWE (cm) 38 38 38 38 38 38	Water Content-SWE (cm) 12 12 12 14 12 14	Dust Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Co (core w chang	et Dry Dry mments eighed, bag #, ges in snow ondition)
Prec Dust Cores	Core Number  1 2 3 4  1 2 3 4  5 6 7	Depth of Snow (cm) 45 45 45 45 47 47	Length of Snow Core (cm) 36 46 36 31 43 45 45	Weight of Tube & Core-SWE (cm) SO	Weight of Empty Tube-SWE (cm) 3% 3% 3% 3% 3% 3% 3% 3% 3% 3% 3% 3% 3%	Water Content-SWE (cm) 12 12 12 12 14 12 16	Dust Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Co (core w chang	et Dry Dry mments eighed, bag #, ges in snow ondition)
Prec	Core Number  1 2 3 4 1 2 3 4 5 6	Depth of Snow (cm) 45 45 45 47 47 47	Length of Snow Core (cm) 36 46 36 31 43 45 46	Weight of Tube & Core-SWE (cm) SO	Weight of Empty Tube-SWE (cm) 38 38 38 38 38 38	Water Content-SWE (cm) 12 12 12 12 14 12 16 18	Dust Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Co (core w chang	et Dry Dry mments eighed, bag #, ges in snow ondition)

\*\* Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Water Quality (Min. of 3 cores - Total Water Content SWE =/> 100)

9 10

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YN YN

Area: Effect Task:	ive Date:	8000 26-Mar-20 Snow Sam		eld She	et	Ву:	ision:	ENVI-177-0312 R9 D. Dul
						Pag Page	e: 3 for Revi	2 of 3 sion Tracking Only not for P
Dust \$	Sample Fi	Iters			Total	l Volume	of Melted	Snow: 165
		ht of Filter F (mg)	Filter + Residue Residue (mg)		Resid	due Wei (mg)		Comments
1	11	3.9	15	7.9		44.0	Tripl	e hugged no leaks. Visib
2	1	3,0						
3								
4	1-							
Tota	ils )\(\(\)	3.9	157	9		44.0	- 4	
Water	Quality B	ottles			Tota	l Volume	of Melted	1 Snow: 3416
Filling	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	Locatio	Sample Comments <u>DI Batch # for QAQC,</u> on preserved if not in field, labor
Order				GW				changes
1	Metals Total	60 mL Falcon Tube ( <b>x2</b> )	Υ	d				
2	Metals Dissolved	60 mL Falcon Tube (x2)	Υ	A				
3	Total Mercury	40 mL clear glass (pre-preserved)	N	P			T	
	Nutrients	120 mL plastic (pre preserved)	N					
4	Ammonia	40 mL glass vial (pre-preserved)	N	Ø,				
4	The state of the s	M 1	Υ	M				
	Routine	1000 mL plastic						
5	Routine	1000 mL plastic	Y					
5 6 7	тss/ <del>тыб/рн</del>	1000 mL plastic  *Sample Type: GW	, DUPW1/D	UPW2, FBV	I V, TBW, E	L L BW, REP1/		er Blank ampling event, follow-up actio

			Snow	Sampling F	7 11 22 11 11 11			
A		0.0	200			No:	_	/I-177-0312
Are	a: ective Dat	2000	000 5-Mar-2012	)		Revision	: R9 D. D	Out
Tas				ling Field Sh		Ву:	<u>D. L</u>	Jul
			TOTAL CONTRIBUTION	g 1 1014 011	-	Page:	1	of 3
	ERAL		. 45			13		
								(4:00): 12.00
SAM	PLED BY: _	KG 55	2	TYPE OF SA	AMPLE: Dust	<b></b> ₩ater	Quality	QAQC: NA
GPS	COORDINA	TES (UTM):	5376	93 E +	115079	0N(	zone)	12
DES	CRIPTION: E	istance to I	Diavik 160	_ km & Direction	5E	o	n: Land	&/or Lake
	ATE CONDI							
			ind Direction	:_W_w	Vind Speed:	5 kt		
								0
Dust	in Area: Vis	sible 🔲	Not Visible		Cloud Cover: 0			
Preci	ipitation: Ra	in / Mist / Sr	now / N/A)		Snow Conditio	n: Crystallize	ed La Pac	ked Wet Dry Dry
		Depth	Length	Weight of	Weight of	Water		A A A A A A A
	Core	of	of Snow	Tube	Empty	Content-	Dust	Comments (core weighed, bag #,
D	Number	Snow	Core	& Core-	Tube-SWE	SWE	Present Yes/No	l Changes in Show
İst	1	(cm) 28	(cm)	<b>SWE (cm)</b> 45	(cm)	(cm)	Y (N)	site is
Dust Cores	2		3 22	46	39	6	Y (N)	
es	3	28	25		39	-1-	Y (N)	19
	4	28	26	46	39	6	Y M	20
	- X	90	1.0-	of 3 cores - To			25)	
	1	10				tent SWE =/-	Y (N)	0/1
	2	28	21	46	39	9 1	Y (N)	
	3	28	26	46	39	\$ 1	YN	
	4	28	21	46	39	6 1	Y (N)	3 8
Wat	5	29	21	47	37	(b) 1.	Y (N)	
er Q	6	29	d	71	39	\$8	Y (N	0 ~
ual	7	29	27	41	39	78	YAN	38
ĒV C	8	29	26	46	31	多了.	YN	441
Water Quality Cores	9	29	2023	46	39	1	Y (N)	28
S		29	22	46	39	7.	Y/N	114
	10	28	82	46	35	9	Y/N	3.5
	11	28 30		46	39	7	Y/N	79
	12	3/8/30		47	39	9	U	18
		187	ater Quality (	Min. of 3 cores -	Total Mator (	Contont CINE	= =/> 100)	87
		30	29	49	39	8	(N)	95

	ive Date:	8000 26-Mar-20	127270			No: Revision By:	ENVI-177-0312  R9 D. Dul
Гаsk:		Snow Sam	ipling Fi	eld She	et	Page:	2 of3
Dust S	Sample Fi	Iters			Tota	Page 3 fo	Revision Tracking Only not for Print  Melted Snow: 895 (mL)
Filte	r# Weig				Resid	due Weight	Comments
1	116	(mg)	130.			(mg)	Visible dust on filter, Double bagger through 121 bas
2	1,10					,	The days 1 Day
3							
4 Tota	10 112	0	18.59			0.7	
TOLA	15 116	0	130.	1	1	4.7	
Nater	Quality B	ottles			Tota	I Volume of M	Nelted Snow: 3210 (mL)
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	Sample Comments <u>DI Batch # for QAQC,</u> Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube ( <b>x2</b> )	Υ				changes
2							
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y				
	Metals Dissolved Total Mercury		Y				
2	Total	Tube (x2) 40 mL clear glass	N				
3	Total Mercury	Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-	N				
3 4	Total Mercury Nutrients	Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-preserved)  40 mL glass vial	N N				
3 4 5	Total Mercury Nutrients Ammonia	Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-preserved)  40 mL glass vial (pre-preserved)	N N				
2 3 4 5 6 7	Total Mercury  Nutrients  Ammonia  Routine  TSS/ <del>Turb/pH</del>	Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic  *Sample Type: GW	N N Y Y OUPW1/DI	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	D D D D D D D D D D D D D D D D D D D	2, Filter Blank uring sampling event, follow-up actions etc.)

	Snow Sampli	ng Field Sheet		
		No:	ENVI-177	7-0312
Area:	8000	Revisio	n: R9	
Effective Date:	26-Mar-2012	By:	D. Dul	
Task:	Snow Sampling Field	d Sheet		
		Page:	1 of Revision Tracking O	3 Only not for Print
GENERAL	553-6-4	13		
LOCATION NAME:	53-15 AA DATE (VV	yy-mmm-dd): 2020-04-20	TIME (24:00):	0918
	JTM): 0 53 6 30 2	OF SAMPLE: Dust Water	(zone) 12	
DESCRIPTION: Distant	ce to Diavik0_km & Dir	ection NA	On: Land &/or	r Lake 💟
CLIMATE CONDITION:	Wind Direction:W	Wind Speed: 6 k	cts.	
Dust in Area: Visible	Not Visible	Cloud Cover: 0% / 10% / 2	25% / 50% (75% /	100%
Precipitation: Rain / Mi	st / Snow / N/A	Snow Condition: Crystalliz		
4				

Dust	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 (core weighed, bag #, changes in snow condition)
C	_1	33	36	48	39.0		YN	- lost- bes biske
Cores	2	33	23	45	39.0	6cm	Y (N)	
<b>U</b>	3	34	23	45	39.0	6cm	Y (N)	
	4	34	84 33	48	39.0	9cm	YN	
		34	Dust (Min.	of 3 cores - To	otal Water Con		> 25)	
	1	34	32	48	38	10cm	Y (N)	
	2	34	33	49	38	1/cm	Y (N)	
	3	34	32	48	38	10cm	YN	
8	4	34	32	48	38	10cm	YN	
ater	5	34	32	47	38	9cm	YN	
Du O	6	34	31	47	38	9cm	Y (N')	Reweighed
Water Quality Cores	7	34	31	48	38	10	YN	
Co	8	33	32	148	38	10	YN	
res	9	33	32	47	38	9	YN	
	10	34	33	47	38	9	YN	
V	11	35	34	49	38	11	YN	
4	12	<i>U</i> =					Y (N)	

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

This is not a controlled document when printed

10.2 Forms-2012 Active Forms

Area:	1.	8000	W Saiii	<u>pling Fi</u>	eiu Sii	No:	; /ision:	ENVI-177-0312 R9
2.37/2/27	tive Date:	26-Mar-20	12			By:		D. Dul
Task	:	Snow San	npling F	ield She	et			
						Pag	ge:	2 of 3
		7				Page	e 3 for Revis	sion Tracking Only not for
Dust	Sample Fi	ilters			Tota	I Volume	of Melted	Snow: 950
Filte	er# Weig	ht of Filter (mg)	Filter + Residue (mg)		Residue Weight (mg)		ight	Comments
1		5.1	178.	5	(	63.4		
2	1)	4.0	115.	8		1.8		
3								
4								
Tota	als 22	91	194	3	1	5.2		
Nate	r Quality B	lottles	1			I Volume	of Melted	
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *		Sample Comments  DI Batch # for QAQC,  n preserved if not in field, lab
Older		1000		DIPI			/25/	changes
	0.73	60 mL Falcon						
4	Metals Total	Tube (x2)	Y					
1 2	7 1 1 2 1 2 1 2 1 2 2 2	Carlo Colonia Colonia Carlo Colonia Carlo	Y	Ø.				
	Total Metals	Tube (x2) 60 mL Falcon						
2	Total  Metals Dissolved	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass	Y	o'			1	
3	Total  Metals Dissolved  Total Mercury	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-	Y	Q Q				
3 4	Total  Metals Dissolved  Total Mercury  Nutrients	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial	Y N	A       A       A       A       A       A       A       A       B <t< td=""><td></td><td></td><td></td><td></td></t<>				
3 4 5	Total  Metals Dissolved  Total Mercury  Nutrients  Ammonia	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial (pre-preserved)	Y N N	A       A       A       A       A       A       A       A       A       B <t< td=""><td></td><td></td><td></td><td></td></t<>				
2 3 4 5 6 7	Metals Dissolved  Total Mercury  Nutrients  Ammonia  Routine  TSS/Furb/pH	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic  1000 mL plastic  *Sample Type: GW,	Y N N Y Y DUPW1/D	D D D D D D D D D D D D D D D D D D D		D D D D D D D D D D D D D D D D D D D		
2 3 4 5 6 7	Metals Dissolved  Total Mercury  Nutrients  Ammonia  Routine  TSS/#urb/pH	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic  1000 mL plastic  *Sample Type: GW,	Y N N N Y T DUPW1/D	UPW2, FBW		D D D D D D D D D D D D D D D D D D D		Blank mpling event, follow-up action

					ield Sheet				
						No:	EN	VI-177-0312	
Are			000			Revision	: R9		
	ective Dat		6-Mar-2012			Ву:	D. E	Dul	
Гas	k:	Sr	now Sampl	ing Field Sh	eet				
						Page: Page 3 for R	1 evision Tra	of 3	t
	<u>ERAL</u> ATION NAMI	553- \$53-	17.4	DATE (yyyy-m	mm-dd): Aox	1 +225	TIME (2	24:00): 0944	
AM	PLED BY: _	K6 55'	2	TYPE OF S.	AMPLE: Dust	Water	r Quality	QAQC: DUP	u
				2 <u>E</u>				1	
ES	CRIPTION: D	istance to [	Diavik Ő	km & Direction	NIA		n: Land	&/or Lake	_
	IATE CONDI								
ir T	omn: 17	°C W	ind Direction	<u> </u>	Wind Speed:	3	•		
		-			wind Speed:	KU	s.	_	- 30
		1	Not Visible		Cloud Cover:			1 / 1	
rec	ipitation: Rai	in / Mist / Sr	now / (V/A)		Snow Condition	n: Crystallize	ed 🔲 Pac	ked X Wet Dry	
-		Donath	Laurada	10/-1-64 -6	10/-1-1-4 - 5	10/-4			
_	Core	Depth	Length of Snow	Weight of	Weight of	Water Content-	Dust	Comments	na #
\	Core Number	Depth of Snow	Length of Snow Core	Weight of Tube & Core-	Weight of Empty Tube-SWE	Water Content- SWE	Present	(core weighed, ba changes in sno	
Direct	Number	of	of Snow	Tube	Empty	Content-	Present Yes/No	(core weighed, ba	
Direct Co	Number 1	of Snow	of Snow Core	Tube & Core-	Empty Tube-SWE	Content- SWE	Present Yes/No Y N	(core weighed, ba changes in sno	
Dust Cores	Number	of Snow	of Snow Core	Tube & Core-	Empty Tube-SWE	Content- SWE	Present Yes/No	(core weighed, ba changes in sno	
Dust Cores	Number 1	of Snow	of Snow Core	Tube & Core-	Empty Tube-SWE	Content- SWE	Present Yes/No Y N	(core weighed, ba changes in sno	
Dust Cores	Number  1 2	of Snow	of Snow Core	Tube & Core-	Empty Tube-SWE	Content- SWE	Present Yes/No Y N Y N	(core weighed, ba changes in sno	
Dust Cores	Number  1 2 3	of Snow	of Snow Core (cm)	Tube & Core-	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N Y N	(core weighed, ba changes in sno	
Dust Cores	Number  1 2 3	of Snow	of Snow Core (cm)	Tube & Core- SWE (cm)	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N	(core weighed, ba changes in sno condition)	w
Dust Cores	Number  1 2 3	of Snow (cm)	of Snow Core (cm)	Tube & Core- SWE (cm) of 3 cores – To	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N	(core weighed, bachanges in sno condition)	W Yen
Dust Cores	Number  1 2 3 4	of Snow (cm)	of Snow Core (cm)	Tube & Core-SWE (cm)  of 3 cores - To	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N	(core weighed, ba changes in sno condition)	W Yen
	1 2 3 4 1 2 2	of Snow (cm)	of Snow Core (cm)	Tube & Core- SWE (cm) of 3 cores – To 48	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	general comm	W.
	1 2 3 4 1 2 3 3	of Snow (cm) 34 34 34 35	of Snow Core (cm) Dust (Min. 33 35 35	Tube & Core- SWE (cm) of 3 cores – To 48 50 48 49	Empty Tube-SWE (cm)	tent SWE =/:	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	(core weighed, bachanges in sno condition)	W.
	1 2 3 4 4	of Snow (cm) 34 34 35 35	of Snow Core (cm)  Dust (Min. 33 33 35 33 34	Tube & Core- \$WE (cm)  of 3 cores - To  48  50  48  49  48	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	general common hard packed layer to crysta	W Yen
	1 2 3 4 5 5	of Snow (cm) 34 34 35 35	of Snow Core (cm)  Dust (Min. 33 33 35 33 35 34 34 31	Tube & Core- SWE (cm) of 3 cores – To 48 50 48 49 48	Empty Tube-SWE (cm)  otal Water Con  38  38  38  38	tent SWE =/:	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	general command parter in bottom layer in	W.
	1 2 3 4 5 6	of Snow (cm) 34 34 35 35 35	of Snow Core (cm)  Dust (Min. 33 33 35 33 34 34 34 34	Tube & Core-SWE (cm)  of 3 cores – To 48  50  48  49  48  48  48	Empty Tube-SWE (cm)	Content- SWE (cm)  tent SWE =/:	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	general command packed layer + crysta bottom layer in	W.
Dust Cores Water Quality Cores	1 2 3 4 5 6 7	of Snow (cm) 34 34 35 35 35 35	of Snow Core (cm)  Dust (Min. 33 33 35 33 34 34 34 34 34 31	Tube & Core- \$WE (cm)  of 3 cores - To  48  50  48  49  48  48  48  48	Empty Tube-SWE (cm)  38 38 38 38 38 38 38 38	tent SWE =/:	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	general community of the second secon	W.
	1 2 3 4 5 6 7 8 9	of Snow (cm) 34 34 35 35 35 35 35	of Snow Core (cm)  Dust (Min. 33 33 35 33 35 34 31 34 31 33	Tube & Core- \$WE (cm)  of 3 cores - To  48  48  49  48  48  48  48  48	Empty Tube-SWE (cm)  otal Water Con  38  38  38  38  38  38  38  38	Content- SWE (cm)  tent SWE =/:	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	general command packed layer + crysta bottom layer in	W Yell
	1 2 3 4 5 6 7 8	of Snow (cm) 34 34 35 35 35 35	of Snow Core (cm)  Dust (Min. 33 33 35 33 34 34 34 34 34 31	Tube & Core- \$WE (cm)  of 3 cores - To  48  50  48  49  48  48  48  48	Empty Tube-SWE (cm)  38 38 38 38 38 38 38 38	tent SWE =/:	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	general community of the second secon	W Yell

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Area:		8000		pling Fi		No:	ision:	ENVI-177-0312
	tive Date:		112		_	Rev By:	925,2120	R9 D. Dul
Task:		Snow Sam		ield She	et	Dy.		D. Dui
		9.101,	, pin. 5	OIG 0.,0	O.	Pag	je:	2 of 3
-						Page	3 for Rev	ision Tracking Only not for P
Dust	Sample Fi	ilters			Tota	l Volume	of Meltec	I Snow:
Filte		ght of Filter (mg)	Filter + Residue (mg)		Resid	due Wei (mg)	ght	Comments
1								
2						~		
3								
4		-						
Tota	ils						1	1
	•	The state of		Sample	Sample			Sample Comments
Filling Order	Analysis	Bottle Type	Triple Rinse	Type *	Type *	Type *	Location	DI Batch # for QAQC, on preserved if not in field, labe changes
	Analysis  Metals  Total	100000000000000000000000000000000000000	The second second				Location	DI Batch # for QAQC, on preserved if not in field, labe
Order	Metals	Type 60 mL Falcon	Rinse	Type *	Type *	Type *	Locati	DI Batch # for QAQC, on preserved if not in field, labe
Order 1	Metals Total Metals	60 mL Falcon Tube (x2)	Rinse	Type *	Type *	Type *	Locati	DI Batch # for QAQC, on preserved if not in field, labe
Order 1 2	Metals Total Metals Dissolved	60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-preserved)	Y Y N	Type*	Type *	Type *	Location	DI Batch # for QAQC, on preserved if not in field, labe
Order  1 2	Metals Total Metals Dissolved Total Mercury	60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)	Y Y	Type*	Type *	Type *	Location	DI Batch # for QAQC, on preserved if not in field, labe
1 2 3 4	Metals Total  Metals Dissolved  Total Mercury  Nutrients	60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial	Y Y N N	Type*	Type *	Type *	Locati	DI Batch # for QAQC, on preserved if not in field, labe
1 2 3 4 5	Metals Total  Metals Dissolved  Total Mercury  Nutrients  Ammonia	60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic	Y Y N N N	Type*	Type*	Type *	Locati	DI Batch # for QAQC, on preserved if not in field, labe
1 2 3 4 5 6	Metals Total  Metals Dissolved  Total Mercury  Nutrients  Ammonia  Routine	Type  60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic	Y Y N N N N Y	Type*	Type*	Type *		DI Batch # for QAQC, on preserved if not in field, labe changes
1 2 3 4 5 6 7	Metals Total  Metals Dissolved  Total Mercury  Nutrients  Ammonia  Routine  TSS/Turb/pH	60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic  *Sample Type: GW	Y Y N N Y Y OUPW1/D	Type*	Type *	Type *	REP2, Filte	DI Batch # for QAQC, on preserved if not in field, labe changes  er Blank
1 2 3 4 5 6 7 tiona color, o	Metals Total  Metals Dissolved  Total Mercury  Nutrients  Ammonia  Routine  TSS/Turb/pH	60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic  *Sample Type: GW	Rinse  Y  Y  N  N  N  Y  Y  OUPW1/D  es, safety con	Type*	Type *	Type *	REP2, Filte	DI Batch # for QAQC, on preserved if not in field, labe changes

			Snow	Sampling F	ield Sheet					
						No:		EN	/1-17	77-0312
Area			000			Revision	: ]	R9		
Effec	ctive Date	- A	-Mar-2012			Ву:		D. E	Dul	
Task	<b>(:</b>	Sr	now Sampli	ing Field Sh	eet					
						Page: Page 3 for R		1 n Tra		of 3 Only not for Print
GENE					0.40	13				
				DATE (yyyy-mr						
SAMP	LED BY: _	KG SS	52	TYPE OF SA	AMPLE: Dust	Water	r Qua	lity [	X	QAQC:N/A
SPS C	CORDINAT	ES (LITM):	53634	6 E	7151364	1 N	zone		1	24,
FSCI	RIPTION: D	istance to F	Diavik 0.19	_ km & Direction	SF		n lar	nd F	7 &	/or Lake
			SIGVIK	_ KIT & Direction			ii. Lai	iu		OI LAKE
	ATE CONDIT			( A)		1.6				
ir Te	mp: 14	°C Wi	ind Direction:	_W_ w	Vind Speed:	Y kt	s.			
									>	
)ust i	n Area: Visi	ible 🕅 I	Not Visible	] (	Cloud Cover:	0% / 10% / 2	5% / 5	50%	75%	/ 100%
Junain	itation: Rai	n / Mint / Cn	NOW VIOLEN							Wet Dry
recip	ntation: Kan	II / IVIIST / SI	IOW /(IN/A)		Snow Conditio	on: Crystallize	eq'	Pac	kea <u>r</u>	☑ vvet ☐ Dry ☐
		Depth	Length	Weight of	Weight of	Water			1	Comments
	Core	of	of Snow	Tube	Empty	Content-		ıst	(60	Comments ore weighed, bag #
_	Number	Snow	Core	& Core-	Tube-SWE	SWE	Pres	sent		changes in snow
us L	0.1	(cm)	(cm)	SWE (cm)	(cm)	(cm)	10.00		-	condition)
Dust Cores	1	44	41	50	38	12	Y	(N)		
9	2	Table 1	1.0					$\overline{}$		
es	2	44	42	51	38	13		N		
es	3	44	42	S1 S4	38	13		(Z)		
res		, (						(N)		
res	3	, (	42		38	16	Y	(N)		
res _	3	, (	42	54	38	16	Y (	(N)		
res	3 4	44	42	of 3 cores – To	38 otal Water Con	//G atent SWE =/:	Y (Y > 25)	N N	2	
res	3 4	44	42	54 of 3 cores – To	36 otal Water Con	16 tent SWE =/:	Y (Y > 25)	(Z) N (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z)	1t	
	3 4 1 2	44	42	54 of 3 cores – To 54 51	38 otal Water Con 39 39	16 tent SWE =/:	Y (Y > 25) Y Y	(Z) N (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z) (Z)	de	
	3 4 1 2 3	44 43 43 44	42	54 of 3 cores – To 54 51 52	3 8 otal Water Con 39 39		Y (Y > 25) Y Y Y Y Y Y	) Z Z Z Z Z Z Z Z Z	de	
	3 4 1 2 3 4 5 6	44 43 43 44 44	42	54 of 3 cores - To 54 51 52 52	3 8 otal Water Con 39 39 39	16 tent SWE =1: 15 12 13 13	Y (Y > 25) Y Y Y Y Y Y Y	) Z Z Z Z Z Z Z Z Z Z Z Z	de	
	3 4 1 2 3 4 5	44 43 44 44 44 44 44	Dust (Min. 4) 42 42 42	54 54 51 52 52	38 otal Water Con 39 39 39 39 39 31	16 15 12 13 13	Y Y Y Y Y Y Y		40 53	
	3 4 1 2 3 4 5 6	44 43 43 44 44 44 44	97  Dust (Min. 4) 42 42 42 42	54 54 51 52 52 54 52	38 otal Water Con 39 39 39 39	16  Itent SWE =/3  13  13  13	Y (Y > 25) Y Y Y Y Y Y Y Y Y Y		40 53 68 81	
res Water Quality Cores	3 4 1 2 3 4 5 6 7	44 43 44 44 44 44 44	90 Dust (Min. 4) 41 42 42 42 42 42 42	54 54 51 52 52 59 53	38 otal Water Con 39 39 39 39 39 31	16   15   12   13   13   13   13	Y (Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		40 53 68 81	
	3 4 1 2 3 4 5 6 7 8	44 43 44 44 44 44 44	90 Dust (Min. 4) 41 42 42 42 42 42 42	54 54 51 52 52 59 53	38 otal Water Con 39 39 39 39 39 31	16   15   12   13   13   13   13	Y (Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		40 53 68 81 94	
	3 4 1 2 3 4 5 6 7 8 9	44 43 44 44 44 44 44	90 Dust (Min. 4) 41 42 42 42 42 42 42	54 54 51 52 52 59 53	38 otal Water Con 39 39 39 39 39 31	16   15   12   13   13   13   13	Y (Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		40 53 68 81 94	

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Area: Effect	ive Date	8000	ow Sam	Jillig I I		No: Revision By:	ENVI-177-0312 R9 D. Dul
Гask:	Ŧ	Snow Sar	npling Fi	eld She	et		
. 12						Page: Page 3 for	2 of 3 r Revision Tracking Only not for Print
Oust 9	Sample	Filters			Tota	I Volume of M	elted Snow: 230(mL)
Filte	r# We	ight of Filter (mg)	Filter + F		Resi	due Weight (mg)	
1	110	1.3	211.0	5.71	4	97.3	Visible dust on filter. Triple by
2		6.0	122	3		6.3	
3							
4							
Tota	Is 23	0.3	333	9		03.6	
Filling Analysis Order		Туре	Rinse Gw			L	ocation preserved if not in field, label
9.00	Motals	60 ml Falcon		1.78.76			changes
1	Metals Total	60 mL Falcon Tube (x2)	Y	Ø.W			
	100 2100 100	Tube (x2)	Y	1.78.76			
1	Total Metals	Tube (x2) 60 mL Falcon		Ø			
1 2	Total  Metals Dissolved	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass	Y				
1 2 3	Metals Dissolved Total Mercury	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre- preserved)	Y				
1 2 3 4	Total  Metals Dissolved  Total Mercury  Nutrients	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic	Y N				
1 2 3 4 5	Total  Metals Dissolved  Total Mercury  Nutrients  Ammonia	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic	Y N N				
1 2 3 4 5 6 7	Total  Metals Dissolved  Total Mercury  Nutrients  Ammonia  Routine  TSS/Turb/p	Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic  *Sample Type: GW	Y N N N Y Y OUPW1/D	UPW2, FBV		BW, REP1/REP2	changes

			Snow	Sampling F	ield Sheet			
						No:	_	VI-177-0312
Are			00			Revision		
	ective Dat		-Mar-2012			Ву:	D. I	Dul
Tas	K:	Sr	low Sampi	ing Field Sh	eet	Dones	1	of 3
		- V				Page: Page 3 for R		OT 5 acking Only not for Print
	ERAL	000			2.	13	>	221
								24:00):
SAM	PLED BY: _	K6 552	-	TYPE OF SA	AMPLE: Dust	Water	Quality	A QAQC: NA
SPS	COORDINA	TES (UTM):	5366	35 E	7150873	N (	zone)	12W
ES	CRIPTION: E	Distance to D	)iavik <u>0.85</u>	_ km & Direction	5E	o	n: Land	&/or Lake
CLIN	ATE CONDI	TIONS						
			nd Direction:	_W_ w	Vind Speed:	y kt	s.	
		1						0
			Not Visible		Cloud Cover: (			
rec	ipitation: Ra	in / Mist / Sn	ow / N/A		Snow Condition			cked Wet Dry Dry
		D 41					larded p	racked + crystal las
	Core	Depth of	Length of Snow	Weight of Tube	Weight of Empty	Water Content-	Dust	Comments (core weighed, bag #,
	Number	Snow	Core	& Core-	Tube-SWE	SWE	Present	changes in snow
Dust Cores		(cm)	(cm)	SWE (cm)	(cm)	(cm)	Yes/No	condition)
S	1	34	32	50	39	11	YN	
ores	2	33	32	48	39	9	Y (M)	
	3	33	31	48	39	9	YN	
							YN	
	4						1 17	
	4		Dust (Min.	of 3 cores - To	tal Water Con	tent SWE =/	17.77	
	1	<b>1809</b> 33	Dust (Min.	of 3 cores – To	tal Water Con	tent SWE =/	17.77	
		1819 33 38 34	32-	48	39		> 25)	
	1	1899 33 38 34	32- 38.33	of 3 cores – To  44  50  50	39	#9	> 25) Y (N)	32
*	1 2	1899 33 38 34	32- 38.33	50 50	39 39 39	# 9 11	> 25) Y (N) Y (N)	32 ¥3
Wate	1 2 3	1899 33 38 34	32- 38.33	50 50 50	39 39 39	# 9 11 11	Y (N) Y (N) Y (N)	¥3
Water Qu	1 2 3 4	38 34 35 32 32	392 333 33 30	50 50 50 48	39 39 39 39	# 9 11 11 11	> 25) Y N Y N Y N	
Water Qualit	1 2 3 4 5	88 34 35 32 32 34	392 333 33 30 80 30	50 50 50 50 48 47	39 39 39 39 39	# 9 11 11	Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N)	73 52 60
Water Quality Co	1 2 3 4 5	38 34 35 32 32 32 34 34 3430	32- 33 33 30 30 30 30	50 50 50 50 48 47 48	39 39 39 39 39 39	# 9 11 11 11 9 8	Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N)	73 52 60
Water Quality Cores	1 2 3 4 5 6	38 34 35 32 32 32 34 34 3430 35	352 333 30 30 30 30 30	50 50 50 50 48 47 48 46	39 39 39 39 39 39 39	# 9 11 11 11 9 8	> 25) Y N Y N Y N Y N Y N Y N	73 52 60 69 76
Water Quality Cores	1 2 3 4 5 6 7 8	38 34 35 32 32 34 34 34 35 35 35	30 30 30 30 30 30 30	48 50 50 50 48 47 48 46 50	39 39 39 39 39 39 39	# 9 11 11 11 9 8	Y N Y N Y N Y N Y N Y N	73 52 60 69 76 84
Water Quality Cores	1 2 3 4 5 6 7 8	38 34 35 32 32 32 34 34 37 35 37	32 33 33 30 30 30 30 30 33 32	48 50 50 50 48 47 48 46 50 48	39 39 39 39 39 39 39 39	#9 11 11 11 9 8 9 4	Y N Y N Y N Y N Y N Y N Y N Y N	73 52 60 69 76 84
Water Quality Cores	1 2 3 4 5 6 7 8 9	38 34 35 32 32 34 34 34 35 35 35	30 30 30 30 30 30 30	48 50 50 50 48 47 48 46 50	39 39 39 39 39 39 39	# 9 11 11 11 9 8 9 4	Y N Y N Y N Y N Y N Y N Y N Y N	73 52 60 69 76 84

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Area: Effective Date: Task:		8000 26-Mar-2012 Snow Sampling Field Sheet				No: Revision: By:		ENVI-177-0312 R9 D. Dul
			Pa America			Page 3	for Revisi	2 of 3
Dust :	Sample Fil	ters			Total	l Volume of	f Melted \$	Snow: 870
		ht of Filter F (mg)	Filter + Residue (mg)		Resid	due Weig (mg)		Comments
1	114	1.9	169.	169.7		54.8		d lite and filer. Triple
2	115	5.9	116.	9		1.0		,
3								
4			\0			M		
Tota	is H	9230.8	Lot	72866	-	5,8		
Water	Quality B	ottles	ì			r - I	f Melted S	Snow: 3295 Sample Comments
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	the second second second	DI Batch # for QAQC,  n preserved if not in field, labe changes
1	Metals Total	60 mL Falcon Tube (x2)	Y					unungse
2	Metals Dissolved	60 mL Falcon Tube (x2)	Υ	A				
	Total Mercury	40 mL clear glass (pre-preserved)	N					
3	Nutrients	120 mL plastic (pre- preserved)	N	Q/				
3		the second second	N					
	Ammonia	40 mL glass vial (pre-preserved)			11 - 1			
4	Ammonia Routine		Υ	D/				
4 5		(pre-preserved)		D/				
4 5 6 7	Routine TSS/ <del>Turb/pH</del>	(pre-preserved)  1000 mL plastic  1000 mL plastic  *Sample Type: GW	Y Y /, DUPW1/D	DUPW2, FBV	□ W, TBW, EI	BW, REP1/R		Blank mpling event, follow-up action

			Snow	Sampling F	ield Sheet					
						No:	ENV	ENVI-177-0312		
Area:		80	000			Revision	: R9			
Effective Date:		1000	6-Mar-2012			Ву:	D. D	ul		
Task:		Sr	now Sampl	ing Field Sh	eet					
						Page: Page 3 for R	1 evision Trac	of 3		
	ERAL		9.	92						
OC.	ATION NAM	E: _ SS4-	-1	DATE (yyyy-mr	nm-dd): <u> </u>	0-04-14	TIME (2	4:00): 1346		
SAM	PLED BY: _	KG MM	J .	TYPE OF SA	AMPLE: Dust	Water	Quality [	QAQC:U/A		
PS	COORDINA	TES (UTM):	05316	185 E	7152217	N (	zone)	12		
ES	CRIPTION: E	Distance to D	Diavik -6	km & Direction	W	0	n: Land	&/or Lake		
								J		
	IATE CONDI			_ N_ w	municipal contract	3				
ar I	emp:	_·c w	ind Direction:		lind Speed:	kt	s.			
ust	in Area: Vis	sible $\square$	Not Visible		Cloud Cover: 0	0% / 10% / 25	5% / 50% /	75% / 100%		
	ipitation: Ra							ced Wet Dry D		
370		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			onon conunc	iii Oi yotamza		wer in Diy		
-		Depth	Length	Weight of	Weight of	Water	i	0		
		Dopui		wording of			Dust	Comments		
	Core	of	of Snow	Tube	Empty	Content-		(core weighed, bag #		
0	Core Number	of Snow	of Snow Core	Tube & Core-	Empty Tube-SWE	Content- SWE	Present	(core weighed, bag # changes in snow		
Dust	Number	Snow (cm)	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Present Yes/No			
Dust Co	Number 1	Snow (cm)	Core	& Core-	Tube-SWE (cm)	SWE	Present Yes/No	changes in snow		
Dust Cores	Number  1 2	Snow (cm) 44 43	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Present Yes/No Y N	changes in snow		
Dust Cores	Number 1	Snow (cm)	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Present Yes/No Y N	changes in snow		
Dust Cores	Number  1 2	Snow (cm) 44 43	Core (cm)	& Core- SWE (cm) 47 47	Tube-SWE (cm)	SWE (cm)	Present Yes/No Y N	changes in snow		
Dust Cores	Number  1 2 3	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No Y N N Y N	changes in snow		
Dust Cores	Number  1 2 3	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No Y N N Y N	changes in snow		
Dust Cores	Number  1 2 3 4	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No Y N Y N Y N Y N	changes in snow		
Dust Cores	Number  1 2 3 4	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in snow		
	Number  1 2 3 4	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  N  P S S S S S S S S S S S S S S S S S S	changes in snow		
	1 2 3 4 1 2 3 3	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in snow		
	1 2 3 4 1 2 3 4	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in snow		
	1 2 3 4 5 5	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No Y N' Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow		
	1 2 3 4 5 6	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in snow		
	1 2 3 4 5 6 7	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in snow		
Dust Cores Water Quality Cores	1 2 3 4 5 6 7 8	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in snow		
	1 2 3 4 5 6 7 8 9	Snow (cm) 44 43	Core (cm) 25 27 26	& Core- SWE (cm) 47 47	Tube-SWE (cm) 39 39 39	SWE (cm) /2 /2	Present Yes/No  Y N Y N Y N Y N Y N Y N Y N Y N Y N Y	changes in snow		

<sup>\*\*</sup> Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> – Wt. of Empty Tube<sub>SWE</sub> \*\*

rea: ffectiv	ve Date:	8000 26-Mar-2012 Snow Sampling Field Sheet				No: Revision By:	D. Dul		
	•				1	Page: Page 3 for	2 of 3 r Revision Tracking Only not for Pr	rint	
oust S	ample Filt	ers			Total	Volume of M	elted Snow: 775	(mL	
Filter		Weight of Filter Fil		Iter + Residue (mg)		lue Weight (mg)		ple bassed didn't leek	
The second secon		2	175.8		E	56.6	Dust on alter (visible)		
3								_	
4	11		100	ń.		=1 /			
Total	s     q	2	175.8			56.6	V.		
Nater	Quality B	ottles			Tota	I Volume of N	Melted Snow:	_ (m	
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Type *	Sample Comments <u>DI Batch # for QAQC</u> ,  Location preserved if not in field, laboration preserved if not in field, laboration preserved in the field of the field	el	
1	Metals Total	60 mL Falcon Tube ( <b>x2</b> )	Y						
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y						
3	Total Mercury	40 mL clear glass (pre-preserved)	N	-					
4	Nutrients	120 mL plastic (pre preserved)	P- N						
5	Ammonia	40 mL glass vial (pre-preserved)	N						
6	Routine	1000 mL plastic	Y						
7	TSS/Turb/pH	1000 mL plastic	Y						
lition	al Inform	*Sample Type: GV ation ble: (equipment issu					P2, Filter Blank during sampling event, follow-up acti	ons (	

			Snow	Sampling F	ield Sheet				
						No:	ENV	1-177-0	312
Are			00			Revision			
	ective Dat		-Mar-2012			Ву:	D. D	ul	
Tas	sk:	Sr	low Sampli	ing Field Sh	eet	<b>D</b>	-		
						Page:	1 evision Trac	of king Only	3 not for Print
GEN	ERAL		7.7					, , ,	
OC	ATION NAME	SSS	4-2	DATE (yyyy-mr	nm-dd): 2020	-04-14	TIME (2	4:00):/	330
				TYPE OF SA					
									S:_\\//\\
GPS	COORDINAT	TES (UTM):	53135	3 E_	7152263	N (	zone)	12W	
DES	CRIPTION: D	istance to D	Diavik Ø	_km & Direction	NA	0	n: Land	&/or La	ike
SI 18	MATE CONDI	TIONO		1.1			,	,	
	MATE CONDI			NO.		^			
ir T	emp:\2	_°C Wi	nd Direction:	_&_ W	lind Speed: _	kts	S.		
							1		
	in Area: Vis		Not Visible 📉		Cloud Cover: (				
rec	ipitation: Rai	n / Mist / Sn	iow / N/A)	\$	Snow Condition	n: Crystallize	ed 💹 Pack	ced 🔀 We	et 🗌 Dry 🔲
Dus		Depth	Length	Weight of	Weight of	Water	Dunt	Co	mments
	Core	of	of Snow	Tube	Empty	Content-	Dust Present		eighed, bag
D	Number	Snow	Core	& Core-	Tube-SWE	SWE		chang	ges in snow
S		1					Yes/No	cc	
Dust C	4	(cm)	(cm)	SWE (cm)	(cm)	(cm)	~	cc	ondition)
Dust Cores	1	(cm)	59	58	39	(cm)	Y (N)	cc	
t Cores	2	10010	59 58	58 58		(cm) 19	Y (N) Y (N)	cc	
t Cores		64	59	58	39	(cm)	Y N Y N	cc	
t Cores	2	64 62	59 58	58 58	39 39	(cm) 19	Y (N) Y (N)	cc	
t Cores	2	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N	cc	
t Cores	2	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N	cc	
t Cores	2 3 4	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N Y N > 25)	cc	
t Cores	2 3 4	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N Y N Y N Y N Y N Y N	CC	
	2 3 4	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N Y N Y N Y N Y N Y N	cc	
	2 3 4	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N Y N Y N Y N Y N Y N	CC	
	2 3 4 1 2 3 4 5	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	CC	
	2 3 4 1 2 3 4 5 6	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	CC	
	2 3 4 1 2 3 4 5 6 7	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	CC	
	2 3 4 1 2 3 4 5 6 7 8	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	CC	
t Cores Water Quality Cores	2 3 4 1 2 3 4 5 6 7 8	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	CC	
	2 3 4 1 2 3 4 5 6 7 8	64 62	59 58 58	58 58	39 39 39	(cm) 19 19	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	CC	

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<sup>\*\*</sup> Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> - Wt. of Empty Tube<sub>SWE</sub> \*\*

	ive Date:	8000 26-Mar-20	12	oling Fie		No: Revis By:	ENVI-177-0312 R9 D. Dul
Task:		Snow Sam	ipling Fi	eld She	et	Page Page 3	: 2 of 3 for Revision Tracking Only not for Prin
Dust \$	Sample Fi	Iters			Tota	l Volume of	Melted Snow: 1790 (r
Filte	r# Weig	222 G.J. Graff 22 Br	Filter + F		Resid	due Weigl	ht Comments
1	118	(mg)	(m)			(mg) 72.0	3x baggel, lasked into 2nd 1
2		8.5	123			4,5	onto filter Significant d
3		0.7	100			110	to forest to
4							
Tota	ıls 23	06.7	313	2		76.5	
Water	Quality E	Bottles			Tota	l Volume of	f Melted Snow:(
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	Sample Comments <u>DI Batch # for QAQC</u> ,  Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube (x2)	Y				
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y				
3	Total Mercury	40 mL clear glass (pre-preserved)	N			0	
4	Nutrients	120 mL plastic (pre preserved)	N				
5	Ammonia	40 mL glass vial (pre-preserved)	N				
6	Routine	1000 mL plastic	Υ				
/7	TSS/Turb/pH	1000 mL plastic	Y				
itiona	al Inform						EP2, Filter Blank during sampling event, follow-up actions

			Snow	Sampling F	ield Sheet			
						No:		1-177-0312
Are			00			Revision	-	
	ective Date	7	-Mar-2012		oot	Ву:	<u>D. D</u>	ul
Tas	K.	31	iow Sampi	ing Field Sh	eet	Page:	1	of 3
							The second second second	cking Only not for Print
	ERAL				6.7.			1000
			1.	DATE (yyyy-mr	nm-dd): <u>402</u>	0-04-14	TIME (24	1:00): 1360
SAIV	PLED BY:	K6 MM	1	TYPE OF SA	AMPLE: Dust	Water	Quality	QAQC:_ NA
			52127	0	רטנייוד			12W
iPS	COORDINAT	ES (UTM):	00100	E	1132	<u> </u>	zone)	10.10
)ES	CRIPTION: D	istance to D	Diavik	_ km & Direction	NM	0	n: Land [/	&/or Lake
LIN	ATE CONDIT	IONS						
ir T	emp: -12	°C Wi	nd Direction:	N v	Vind Speed:	() kt	s.	
				•				
ust	in Area: Vis	ible 🔲 1	Not Visible 🔀		Cloud Cover: (	0% / 10% / 2	5% / 50% /	75% / 100%
	ipitation: Rai							red Wet Dry D
160	ipitation. Nai	ii / iviist / Sii	IOW / IOW		Show Conditio	n. Grystalize		ev 4
_		D //	1 2 20				1	
	Core	Depth of	Length of Snow	Weight of Tube	Weight of Empty	Water Content-	Dust	Comments (core weighed, bag a
		OI						
	Number	7.4	7.6 (7.60.7.17)				Present	
Dus	Number	Snow (cm)	Core (cm)	& Core-	Tube-SWE (cm)	SWE (cm)	Present Yes/No	changes in snow condition)
Dust C	Number 1	Snow	Core		Tube-SWE	SWE	E 10/07/2002/2015	changes in snow
Dust Cores	1.53630983	Snow (cm)	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Yes/No Y N Y N	changes in snow
<b>Dust Cores</b>	1	Snow (cm)	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Yes/No Y N Y N Y N	changes in snow
Dust Cores	1 2	\$5 83	Core (cm) 74	& Core- SWE (cm)	Tube-SWE (cm) 39	3WE (cm) 27	Yes/No Y N Y N	changes in snow
Dust Cores	1 2 3	\$5 83	Core (cm) 74 73	& Core- SWE (cm)	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No Y N Y N Y N Y N	changes in snow
Dust Cores	1 2 3 4	\$5 83	Core (cm) 74 73	& Core- SWE (cm) 67 67 68	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in snow
Dust Cores	1 2 3 4	\$5 83	Core (cm) 74 73	& Core- SWE (cm) 67 67 68	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in snow
Dust Cores	1 2 3 4	\$5 83	Core (cm) 74 73	& Core- SWE (cm) 67 67 68	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow
	1 2 3 4	\$5 83	Core (cm) 74 73	& Core- SWE (cm) 67 67 68	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow
	1 2 3 4	\$5 83	Core (cm) 74 73	& Core- SWE (cm) 67 67 68	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow
	1 2 3 4 5 6	\$5 83	Core (cm) 74 73	& Core- SWE (cm) 67 67 68	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow
	1 2 3 4 5 5	\$5 83	Core (cm) 74 73	& Core- SWE (cm) 67 67 68	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow
	1 2 3 4 1 2 3 4 5 6 7 8	\$5 83	Core (cm) 74 73	& Core- SWE (cm) 67 67 68	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow
Dust Cores Water Quality Cores	1 2 3 4 5 6 7	\$5 83	Core (cm) 74 73	& Core- SWE (cm) 67 67 68	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow
	1 2 3 4 1 2 3 4 5 6 7 8	\$5 83	Core (cm) 74 73	& Core- SWE (cm) 67 67 68	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow
	1 2 3 4 5 6 7 8 9	\$5 83	Core (cm) 74 73	& Core- SWE (cm) 67 67 68	Tube-SWE (cm) 39 39 39	SWE (cm) 27 27 28	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow

<sup>\*\*</sup> Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> – Wt. of Empty Tube<sub>SWE</sub> \*\*

			w Sampl	ling Fie	<u> la Sne</u>	No:	A. Z.	_	VI-177-0	)312
Area:	1.4.5.5	0008				Revis	ion:	R9		
-21015	tive Date:	26-Mar-20		1-1 Cha	-4	By:		D. [	Dui	
Task:		Snow Sam	ipling ric	HQ Shee	31	Page:	for Rev	2 vision Tra	Of acking Only	3 y not for Print
Dust :	Sample Fil	Iters			Total	l Volume of			00	80_(m
Filter			Filter + Ro	Access to the control of the control		due Weigh	ht	1	Commen	ıts
1		(mg)	(mg	)	-	(mg) 89.9	Try	ple bu	oscal, Kaki	ed into 3°
2		1.2	101	1		2.5				
3	118	73	153,	9		35.6				
4	11-1	7.5	100,			50.0				
Tota	als 23	73	329	7	12	18.0				
Water	r Quality B	lottles				al Volume of	f Melte	d Snow	v:	(r
Filling	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	Locat	DI Bate tion prese	ple Commen tch # for QA0 erved if not in	QC,
Order	14					-	/		changes	
1	Metals Total	60 mL Falcon Tube (x2)	Y			-				
2	Metals Dissolved	60 mL Falcon Tube ( <b>x2</b> )	Y	3						
3	Total Mercury	40 mL clear glass (pre-preserved)	N			P				
4	Nutrients	120 mL plastic (pre preserved)	18				/			
5	Ammonia	40 mL glass vial (pre-preserved)	N							
6	Routine	1000 mL plastic	4							
7	TSS/Turb/pH									-
lition; e color,	al Inform odor if applicat	*Sample Type: GV nation able: (equipment issu								ow-up actions

b			Snow	Sampling F	ield Sheet				
						No:	EN	/1-177-0	0312
Are			000			Revision	: R9		
	ective Dat	20.700	6-Mar-2012			By:	D. E	Dul	
Tas	k:	Sr	now Sampl	ing Field Sh	eet				
						Page 3 for R	1 evision Tra	Of cking Only	not for Print
	ERAL	8							
LOC	ATION NAM	E: 554	-4	DATE (yyyy-mr	nm-dd): <u>202</u>	6-04-14	TIME (2	4:00):	1225
				TYPE OF SA					
GPS	COORDINA	TES (UTM):	53114	0 E -	1153172	N (	zone)	12	
DES	CRIPTION:	Distance to I	Diavik	_ km & Direction	W	0	n: Land	&/or L	ake 💢
CLIN	ATE CONDI	TIONS							
			ind Direction	_ N_ w	lind Speed	( ) kt			
AII I	emp. <u>10</u>	_ C _ W	ina Direction:		ina speea: _	KI	5.		
Dust	in Area: Vis	sible 🔲	Not Visible	j (	Cloud Cover: (	0% / 10% / 2	5% / 50%	75% / 10	0%
	ipitation: Ra		/ 1		Snow Condition			A	1
		1							
		Depth	Length	Weight of	Weight of	Water	2.77	С	omments
	Core	of	of Snow	Tube	Empty	Content-	Dust	(core v	omments veighed, bag #
Dust	Core Number	of Snow	of Snow Core	Tube & Core-	Empty Tube-SWE	Content- SWE	Dust Present Yes/No	(core v	
Dust	Number	of Snow (cm)	of Snow Core (cm)	Tube & Core- SWE (cm)	Empty Tube-SWE (cm)	Content- SWE (cm)	Present	(core v char c	veighed, bag # nges in snow condition)
Dust Core	Number 1	of Snow (cm)	of Snow Core (cm)	Tube & Core- SWE (cm)	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No	(core v	veighed, bag # nges in snow condition)
<b>Dust Cores</b>	Number  1 2	of Snow (cm) 66	of Snow Core (cm)	Tube & Core- SWE (cm) 5%	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No	(core v char c	veighed, bag # nges in snow condition)
<b>Dust Cores</b>	Number 1	of Snow (cm)	of Snow Core (cm)	Tube & Core- SWE (cm)	Empty Tube-SWE (cm)	Content- SWE (cm)	Present Yes/No Y N	(core v char c	veighed, bag # nges in snow condition)
Dust Cores	Number  1 2 3	of Snow (cm) 66	of Snow Core (cm)	Tube & Core- SWE (cm) 5% 5%	Empty Tube-SWE (cm) 39	Content- SWE (cm) 19 19 20	Present Yes/No Y N Y N Y N	(core v char c	veighed, bag # nges in snow condition)
Dust Cores	Number  1 2 3 4	of Snow (cm) 66 60	of Snow Core (cm) 6 (	Tube & Core- SWE (cm) 5% 5% 59	Empty Tube-SWE (cm) 39	Content- SWE (cm) 19 19 20	Present Yes/No Y N Y N Y N Y N > 25)	(core v char c	veighed, bag # nges in snow condition)
Dust Cores	1 2 3 4	of Snow (cm) 66 66 60	of Snow Core (cm) 6 (	Tube & Core- SWE (cm) 58 58 59 of 3 cores – To	Empty Tube-SWE (cm) 39 39 otal Water Con	Content- SWE (cm) 19 19 20 tent SWE =/	Present Yes/No Y N Y N Y N > 25)	(core v char c Weight	veighed, bag # nges in snow condition)
Dust Cores	1 2 3 4 1 2 2	of Snow (cm) 66 66 60 60	of Snow Core (cm) 6 (  GY  Dust (Min.	Tube & Core- SWE (cm) 5% 5% 59 of 3 cores – To	Empty Tube-SWE (cm) 31 39 39 otal Water Con 37	Content- SWE (cm) 19 19 20 tent SWE =/	Present Yes/No Y N Y N Y N Y N > 25) Y N	Core ve char co	veighed, bag # nges in snow condition)
	1 2 3 4 1 2 3 3	of Snow (cm) 66 66 66 60 60 8	of Snow Core (cm) 6 ( 64 C4 Dust (Min.) 65 64 62	Tube & Core- \$WE (cm)  5%  5%  59  of 3 cores - To  59  58	Empty Tube-SWE (cm) 31 39 39 stal Water Con 37 39	Content- SWE (cm) 19 19 20 tent SWE =/	Present Yes/No Y N Y N Y N Y N > 25) Y N Y N	Weight	veighed, bag # nges in snow ondition)
	1 2 3 4 4	of Snow (cm) 66 66 66 66 68 78 68	of Snow Core (cm) 6   6   6   6   7   7   7   7   7   7   7   7   7   7	Tube & Core- SWE (cm) 58 58 59 of 3 cores - To 59 58	Empty Tube-SWE (cm) 39 39 stal Water Con 39 39 39	Content- SWE (cm) 19 19 20 tent SWE =/	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	Core ve char co	veighed, bag # nges in snow ondition)
	Number  1 2 3 4  1 2 3 4 5	of Snow (cm) 66 66 66 66 66 68 68 67	of Snow Core (cm) 6  6  GY  Dust (Min.) 6  6  6  6  6  6  6  6  6  6  6  6  6	Tube & Core- SWE (cm) 5% 5% 59 of 3 cores - To 59 58 59	Empty Tube-SWE (cm) 31 39 31 39 otal Water Con 37 39 39 39	Content- SWE (cm) 19 19 20 tent SWE = 1	Present Yes/No Y N Y N Y N > 25) Y N Y N Y N Y N	Weight	veighed, bag # nges in snow ondition)
	1 2 3 4 5 6	of Snow (cm) 66 66 66 66 68 78 68	of Snow Core (cm) 6   6   6   6   7   7   7   7   7   7   7   7   7   7	Tube & Core- SWE (cm) 58 58 59 of 3 cores - To 59 58	Empty Tube-SWE (cm) 39 39 stal Water Con 39 39 39	Content- SWE (cm) 19 19 20 tent SWE =/	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Core ve char co	veighed, bag # nges in snow ondition)
	1 2 3 4 5 6 7	of Snow (cm) 66 66 66 66 66 68 68 67	of Snow Core (cm) 6  6  GY  Dust (Min.) 6  6  6  6  6  6  6  6  6  6  6  6  6	Tube & Core- SWE (cm) 5% 5% 59 of 3 cores - To 59 58 59	Empty Tube-SWE (cm) 31 39 31 39 otal Water Con 37 39 39 39	Content- SWE (cm) 19 19 20 tent SWE = 1	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Weight	veighed, bag # nges in snow ondition)
	1 2 3 4 5 6 7 8	of Snow (cm) 66 66 66 66 66 68 68 67	of Snow Core (cm) 6  6  GY  Dust (Min.) 6  6  6  6  6  6  6  6  6  6  6  6  6	Tube & Core- SWE (cm) 5% 5% 59 of 3 cores - To 59 58 59	Empty Tube-SWE (cm) 31 39 31 39 otal Water Con 37 39 39 39	Content- SWE (cm) 19 19 20 tent SWE = 1	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Weight	veighed, bag # nges in snow ondition)
Dust Cores Water Quality Cores	1 2 3 4 5 6 7	of Snow (cm) 66 66 66 66 66 68 68 67	of Snow Core (cm) 6  6  GY  Dust (Min.) 6  6  6  6  6  6  6  6  6  6  6  6  6	Tube & Core- SWE (cm) 5% 5% 59 of 3 cores - To 59 58 59	Empty Tube-SWE (cm) 31 39 31 39 otal Water Con 37 39 39 39	Content- SWE (cm) 19 19 20 tent SWE = 1	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Weight	veighed, bag # nges in snow ondition)

11

12

Y N Y N

<sup>\*\*</sup> Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> – Wt. of Empty Tube<sub>SWE</sub> \*\*

20000000	ive Date:	8000 26-Mar-201 Snow Sam	12	oling Fie		No: Revisi By:	ion: R	NVI-177-0312 9 . Dul
Task:		SHOW Garry	Jillig i is	Hu One	).	Page:	for Revision 1	of 3 Tracking Only not for Print
Dust §	Sample Fil	ters			Total	Volume of	Melted Sno	w: <u>1865</u> (m
Filter		ht of Filter F (mg)	ilter + R (mg			due Weigh (mg)		Comments
1	118		177.		5	59.5	Trele	bugged, leaked into 2
3								
4	1							
Tota	als	3.3	177.5	8	5	19.5		
Water	r Quality B						Melted Sno	ow:3656(n
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	DI Ba	imple Comments  atch # for QAQC, eserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube (x2)	Y	ď	ď			
2	Metals Dissolved	60 mL Falcon Tube (x2)	Υ	Ø	Ø			
3	Total Mercury	40 mL clear glass (pre-preserved)	N	ď	0	П		
4	Nutrients	120 mL plastic (pre- preserved)	- N					
5	Ammonia	40 mL glass vial (pre-preserved)	N	B				
6	Routine	1000 mL plastic	Υ	D'				
7	TSS/Turb/pH	1000 mL plastic	Υ	ď				
		*Sample Type: GW						
e color, c		ble: (equipment issue				lems, change.		

		Snow	Sampling F	ield Sheet				
					No:	ENV	/1-177-031	2
a:					Revision			
					Ву:	D. D	ul	
k:	Sr	now Sampl	ing Field Sh	eet		-1-	ė	
						The second second second		3 for Print
ERAL	711							
ATION NAME	554-	5	DATE (yyyy-mr	nm-dd): <u>201</u>	0-04-14	TIME (2	4:00): <u>//</u>	45
PLED BY:	NKO		TYPE OF SA	AMPLE: Dust	X Water	Quality	OAOC:	DUP
							_	
COORDINAT	ES (UTM):	531416	E	1154120	N (	zone)	12	
CRIPTION: D	istance to D	Diavik	_ km & Direction	_ NW	0	n: Land	&/or Lake	X
ATE CONDIT	TIONS							
			M		0			
emp:	_°C Wi	ind Direction:		Vind Speed:	kt	s.		
		~						
pitation: Rai	n / Mist / Sn	iow / N/A		Snow Conditio	n: Crystallize	ed L Pack	ked 🔼 Wet 🛚	_ Dry _
Coro						Dust		ments
0.000	1,1,76	3 4 10 30 6 75	31,0119,00		The state of the s	Present		
rumbor	20.17.002	100000000000000000000000000000000000000	47-5-6-7		100000000000000000000000000000000000000	Yes/No	cond	
1	(0,11)			(0111)	(011)			illion
1	38	36	50	31	11	Y (N)		indon)
2	38	36	50		11	Y (N)		inton)
1-254,94	38	31	50	39	11			inion,
2					11	Y (N)		indon,
2	38	31	50	39 39	11	Y (N) Y (N) Y N		
2	38 38	3つ カつ Dust (Min.	50 50 of 3 cores – To	39 39 otal Water Con	11	Y (N) Y (N) Y N		
3 4	38 38	37 37 Dust (Min. 48	50 50 of 3 cores – To	39 39 otal Water Con	11 11 tent SWE =1	Y (N) Y (N) Y N > 25)	Re woig	
2 3 4	38 38 38 40 40	37 37 Dust (Min. 48	50 50 of 3 cores – To 52 51	39 39 otal Water Con 39 39	11 11 tent SWE =1:	Y (N) Y (N) Y N  > 25) Y (N)	Re waig	
2 3 4	38 38 40 40 39	37 37 Dust (Min. 46 39 38	50 50 of 3 cores - To \$2 \$1	39 39 otal Water Con 39 39	11 11 tent SWE =1	Y (N) Y (N) Y N  > 25) Y (N) Y (N)	Re weigh	
2 3 4 1 2 3	38 38 40 40 39 38	37 37 Dust (Min. 46 39 38	50 50 of 3 cores - To S2 S1 S1	39 39 otal Water Con 39 39 39	11 11 tent SWE =/3 12 12	Y (N) Y (N) Y N  > 25) Y (N) Y (N) Y (N)	Ro waig 3-1 48	
2 3 4 1 2 3 4	38 38 40 40 39 38 40	37 37 Dust (Min. 46 39 38 37 40	50 50 of 3 cores - To S2 S1 S1 S0 S1	39 39 otal Water Con 39 39 39 39	11 11 tent SWE =/3 12 12 12	Y (N) Y N  > 25) Y (N) Y (N) Y (N) Y (N) Y (N)	Ro waig 3-1 48	
2 3 4 1 2 3 4 5	38 38 40 40 39 38 40 40	37 37 Dust (Min. 48 39 38 37 40	50 50 of 3 cores - To S2 S1 S1 S0 S1	39 39 otal Water Con 39 39 39 39 39	11 11 tent SWE =/3 12 12	Y (N) Y N  Y N  25) Y (N) Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	Ro waig 37 48 12 72 89	
2 3 4 1 2 3 4 5 6	38 38 40 40 39 38 40 40 39	37 37 Dust (Min. 46 39 38 37 40 39	50 50 of 3 cores - To S2 S1 S0 S1 S1	39 39 39 39 39 39 39 39	11 11 11 12 12 11 12 12	Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N)	Ro waig 37 48 12 72 89	
2 3 4 1 2 3 4 5 6 7	38 38 38 40 40 39 39 40 40 39	37 37 Dust (Min. 46 39 38 37 40 39 39 38	50 50 of 3 cores - To S2 S1 S0 S1 S1	39 39 39 39 39 39 39 39 39	11 11 12 12 11 12 12 12	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Ro waig 37 48 12 72	
2 3 4 1 2 3 4 5 6 7 8	38 38 40 40 39 38 40 40 39	37 37 Dust (Min. 46 39 38 37 40 39	50 50 of 3 cores - To S2 S1 S0 S1 S1	39 39 39 39 39 39 39 39	11 11 11 12 12 11 12 12	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	Re weight 371 48 12 672 89 96 12	
	ERAL ATION NAME PLED BY:  COORDINAT CRIPTION: D ATE CONDIT emp:  15 in Area: Vis pitation: Rai	ERAL ATION NAME: SS4- PLED BY: MN K  COORDINATES (UTM): CRIPTION: Distance to E  ATE CONDITIONS  emp: 15 C Wi  in Area: Visible Distance: Rain / Mist / Sr  Core Number Snow (cm)	a: 8000 26-Mar-2012 k: Snow Sample  ERAL ATION NAME: \$\sum_{\text{S}} \text{4-5}  PLED BY: MN	a:  ective Date:  26-Mar-2012  Snow Sampling Field Sh  ERAL  ATION NAME:SS4-SDATE (yyyy-mr  PLED BY:	a: 26-Mar-2012 k: Snow Sampling Field Sheet  ERAL ATION NAME: S4-5 DATE (yyyy-mmm-dd): 201 PLED BY: MN  TYPE OF SAMPLE: Dust  COORDINATES (UTM): 531410 E 7154120  CRIPTION: Distance to Diavik 1.46 km & Direction NU  ATE CONDITIONS  emp: SC Wind Direction: Wind Speed: pitation: Rain / Mist / Snow / N/A Snow Condition  Core of of Snow Tube Empty Number Snow Core & Core- Tube-SWE	Revision By:    Continue Date:   26-Mar-2012   By:	ACTION NAME: Sylvanian Syl	Active Date: 8000 Revision: R9  State Date: 26-Mar-2012 By: D. Dul  Revision: R9  D. Dul  Page: 1 of Page 3 for Revision Tracking Only not Page 3

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<sup>\*\*</sup> Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> – Wt. of Empty Tube<sub>SWE</sub> \*\*

1

				pling Fi		No:		EN	/I-177-03	312
Area:		8000				10.000	ision:	R9		
	tive Date:	26-Mar-20				Ву:		D. D	)ul	
Task:		Snow San	npling F	ield She	et					
						Pag	e:	2	of cking Only	3
Dust :	Sample Fi	Iters			Tota	I Volume	of Melted	Snow: 1135 (m		
Filte		ht of Filter I	Filter + I	Residue g)	Resid	due Wei (mg)	311		omment	
1	119.1			. 9	6	21.8	Trip	E buss	ed, leaked	1010 2
2										
3										
4										
Tota	als 110		190.	9	9	41.8	7			
Filling Order	Quality B	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *		Sample DI Batch on preser	32,90 e Comments n # for QAQO ved if not in f	2,
1	Metals Total	60 mL Falcon Tube (x2)	Y	GW M				cl	nanges	
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y	0/						
3	Total Mercury	40 mL clear glass (pre-preserved)	N	4						
4	Nutrients	120 mL plastic (pre- preserved)	N	M						
5	Ammonia	40 mL glass vial (pre-preserved)	N	Ø,						
6	Routine	1000 mL plastic	Y	M						
7	TSS/Furb/pH	1000 mL plastic	Y	A						
	al Informa	*Sample Type: GW ation ple: (equipment issue							and fallen	un action

R9 D. D  1 vision Tra  TIME (2  Quality [  one) Land [	of 3 acking Only not for Print 24:00): /2:00  QAQC: DUP2-
D. D.  1 vision Tra  TIME (2 Quality [ one) Land [	of 3 icking Only not for Print  24:00): /2:00  QAQC: \( \QQ \QQ \)  8/or Lake \( \QQ \)
TIME (2 Quality [ one) Land [	of 3 icking Only not for Print  24:00): /2:00  QAQC: \( \QQ \QQ \)  8/or Lake \( \QQ \)
TIME (2 Quality [ one) Land [	QAQC: 000 & Accordance   12:00
TIME (2 Quality [ one) Land [	QAQC: 000 & Accordance   12:00
TIME (2 Quality [ one) Land [	QAQC: <u>12:00</u> QAQC: <u>5402</u> - 3 8/or Lake  (75%/100%
Quality [ one) Land [	QAQC: <u>DUD2</u> -
Quality [ one) Land [	QAQC: <u>DUD2</u> -
Land	
Land _	
% / 50% /	/ 75% / 100%
% / 50% /	/ 75% / 100%
6/50%	
6/50%	
Pac	ked Wet Dry D
Duet	Comments
Present	(core weighed, bag # changes in snow
Yes/No	condition)
Y (N)	Re-weighed
Y (N)	
Y (N)	
YN	
25)	
YN	
Y N	
YN	-
YN	
YN	
	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Area: Effec Task:	tive Date:	8000 26-Mar-20 Snow San		Field She		No: Rev By:	vision:	R9 D. D	VI-177-03 Dul	312
16.5			ipin iə	IOIG C	61	Page:			of acking Only r	3 not for F
Dust	Sample Fi	ilters			Tota		of Melted			
Filte	r# Weiç	ght of Filter (mg)		Residue		due Wei (mg)	ight	C	Comment	.s
1	119		142.8		9	23.7				
3				1						
4										
Tota	als \\U	41	142.8	Q.		23.7				
Water	r Quality E	3ottles		- mula			of Melted		le Comments	
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *		DI Batch on presen	h # for QAQC rved if not in fi changes	<u>C</u> ,
1	Metals Total	60 mL Falcon Tube ( <b>x2</b> )	Υ							
2	Metals Dissolved	60 mL Falcon Tube ( <b>x2</b> )	X							
3	Total Mercury	40 mL clear glass (pre-preserved)	N		P					
4	Nutrients	120 mL plastic (pre- preserved)	e- N			B				
5	Ammonia	40 mL glass vial (pre-preserved)	N							
-6	Routine	1000 mL plastic	Υ					1		
7	TSS/Turb/pH	1000 mL plastic	Ý							
	al Informa	Andrew Strategies and Annual Control of the Control								
color, o	dor if applicar	ble: (equipment issue	es, safety co	ncerns, weat	ther proble	ms, change	es during sa	ampling e	vent, follow-u	up actio

			Snow	Sampling F	ield Sheet			
Are Effe	a: ective Dat		000 6-Mar-2012			No: Revision By:	-	/I-177-0312 Oul
Γas	k:	Sr	now Sampli	ng Field Sh	eet			1"
						Page:	_1_	of 3
GEN	ERAL	*				Page 3 for R	evision ira	cking Only not for Print
		E: SS5	1	DATE (yyyy-mr	nm-dd): 202	0-04-12	TIME (2	4:00): 700
								QAQC: JA
						1		
PS	COORDINA	TES (UTM):	53315	6 E 7	148927	N (	zone)	12W
ES	CRIPTION:	Distance to I	Diavik_	km & Direction	N/A	0	n: Land 🔎	/2W
	IATE CONDI							
ir T	emp: -10	.c M	ind Direction:	_ W_ w	/ind Speed:	3 kts	S.	
		-					4	o in tradity
			Not Visible		Cloud Cover: (			
rec	ipitation: Ra	in / Mist / Sr	now /(N/A)		Snow Condition	n: Crystallize	ed KJ Pacl	ked Wet Dry
		Danish	Laurette	Mainh4 of	VAL - 1 - 1 - 6	I HANGE AND		I was to trans
		Depth	Length	Weight of	Weight of	Water	Dust	Comments
	Core	of	of Snow	Tube	Empty	Content-		(core weighed, bag #
Du	Core Number	of Snow	of Snow Core	& Core-	Empty Tube-SWE	Content- SWE	Present	changes in snow
Dust	Number	Snow (cm)	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Present Yes/No	
Dust Co	Number 1	Snow (cm)	Core (cm) 25 24	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Present Yes/No	changes in snow
<b>Dust Cores</b>	Number  1 2	Snow (cm) 30 33 35	Core (cm) 2% 24	& Core- SWE (cm) 46	Tube-SWE (cm)	SWE (cm)	Present Yes/No Y N	changes in snow condition)
Dust Cores	Number  1 2 3	Snow (cm) 30 35 38	Core (cm) 28 24 28 27 25	& Core- SWE (cm) 46 47	Tube-SWE (cm) 3 9 3 9 3 9	SWE (cm)	Present Yes/No Y N Y N Y N	changes in snow
Dust Cores	Number  1 2	Snow (cm) 30 33 35	Core (cm) 28 24 28 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N	changes in snow condition)
Dust Cores	Number  1 2 3	Snow (cm) 30 35 38	Core (cm) 28 24 28 27 25 30	& Core- SWE (cm) 46 47	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N Y N	changes in snow condition)
Dust Cores	Number  1 2 3 4	Snow (cm) 30 35 38	Core (cm) 28 24 28 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N Y N > 25)	changes in snow condition)
Dust Cores	Number  1 2 3 4	Snow (cm) 30 35 38	Core (cm) 28 24 28 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N > 25) Y N	changes in snow condition)
Dust Cores	Number  1 2 3 4	Snow (cm) 30 35 38	Core (cm) 28 24 28 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)
	Number  1 2 3 4	Snow (cm) 30 35 38	Core (cm) 28 24 28 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N > 25) Y N	changes in snow condition)
	1 2 3 4 1 2 3 3	Snow (cm) 30 35 38	Core (cm) 28 24 28 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)
	1 2 3 4 1 2 3 4	Snow (cm) 30 35 38	Core (cm) 28 24 28 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)
	1 2 3 4 5 5	Snow (cm) 30 35 38	Core (cm) 28 24 27 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)
	1 2 3 4 5 6	Snow (cm) 30 35 38	Core (cm) 28 24 27 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)
	1 2 3 4 5 6 7	Snow (cm) 30 35 38	Core (cm) 28 24 27 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No  Y N  Y N  Y N  Y N  Y N  Y N  Y N  Y	changes in snow condition)
	1 2 3 4 5 6 7 8	Snow (cm) 30 35 38	Core (cm) 28 24 27 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)
Dust Cores Water Quality Cores	1 2 3 4 5 6 7 8 9	Snow (cm) 30 35 38	Core (cm) 28 24 27 27 25 30	& Core- SWE (cm) 46 47 45	Tube-SWE (cm) 39 39 39 39	SWE (cm) 7 8 6	Present Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Effect Task:	ive Date:	8000 26-Mar-20 Snow San		eld She	et	No: Revis By:		R9 D. D	oul	
						Page 3	for Revi	2 sion Trad	Of cking Only n	3 ot for P
Dust S	Sample Fi	Iters			Tota	il Volume of	f Melted	Snow:	800	
	ht of Filter (mg)	Filter + Residue (mg)		Residue Weight		ht	С	omments	5	
1			339	1.5		21.5	Don	ble bug	sed id da	lesk
2			3317			217.4			A331 ben	-
3	114.	7	580		4	71.8				
4	118.4			3.1		14.7				
Tota	is 464	, 4	138	9.8	93	25.4				
Water	Quality B	ottles			Tota	al Volume o	f Melted	Snow:		
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	Locatio	DI Batch on presen	e Comments  1 # for QAQC  ved if not in finanges	2,
1	Metals Total	60 mL Falcon Tube (x2)	Υ							
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y		_					
3	Total Mercury	40 mL clear glass (pre-preserved)	N							
4	Nutrients	120 mL plastic (pre preserved)	e- N					\		
5	Ammonia	40 mL glass vial (pre-preserved)	N							
6	Routine	1000 mL plastic	Y							
7	TSS/Turb/pH	1000 mL plastic	Y							
	Order  Metals Total  Metals Dissolved  Total Mercury  Nutrients Ammonia  Routine								event, follow-t	up actior

Document #: ENVI-134-0112 R6 Effective Date: 01-January-2012

			Snow	Sampling F	ield Sheet			
						No:	EN	/I-177-0312
Are	77.		000			Revision	: R9	
	ective Dat		6-Mar-2012			By:	D. D	Oul
Tas	k:	<u>S</u>	now Sampl	ing Field Sh	eet			
						Page:		of 3 cking Only not for Print
GEN	ERAL	*			-A-14			
LOC	ATION NAMI	SS S	5-2	DATE (yyyy-mr	nm-dd):	0-04-12	TIME (2	4:00): 16 40
CARA	DI ED DV.	16 50	2	TYPE OF 6	AMDLE: Door	<b>∀</b> w-4-	O 154 . [	4:00):/6 Y0
GPS	COORDINA	TES (UTM)	05 33149	E	1148871	N (	zone)	12 1 &/or Lake
DES	CRIPTION: D	istance to	Diavik	_ km & Direction	N/A	o	n: Land	8/or Lake
	ATE CONDI						,	
<u> </u>	ATE CONDI	HONS		\ v		3		
Air T	emp:10	_°C W	ind Direction:	~_ v	Vind Speed: _	kt	S.	
		😽		7		201 1 1 201 1 2	)	
			Not Visible		Cloud Cover:			
Prec	ipitation: Ra	in / Mist / S	now / N/A		Snow Condition	n: Crystallize	ed A Pac	ked Wet Dry
	0	Depth	Length	Weight of	Weight of	Water	Dust	Comments
	Core Number	of	of Snow	Tube	Empty	Content-	Present	(core weighed, bag # changes in snow
Du	Number	Snow (cm)	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Yes/No	condition)
Dust Cores	1	25	24	45	39	6	Y (N)	22
ò								1 12
Te e	2			46	91	7	Y (N)	13
res	2	25	24	46	39	7	YN	7 20
res		25	24	46	39 39	7 7	· ·	
ires	3	25	24 23 23	46	39 39 39	7 7 7	YN	13 7 20
res	3 4	25	24 23 23	46	39 39 39	7 7 7	Y N Y N	
res	3 4	25	24 23 23	46	39 39 39	7 7 7	Y N Y N > 25) Y N	
ires	3 4	25	24 23 23	46	39 39 39	7 7 7	Y N Y N > 25) Y N Y N	
ires	3 4 1 2 3	25	24 23 23	46	39 39 39	7 7 7	Y N Y N > 25) Y N Y N	
	3 4 1 2 3 4	25	24 23 23	46	39 39 39	7 7 7	Y N Y N Y N Y N Y N	
	3 4 1 2 3 4 5	25	24 23 23	46	39 39 39	7 7 7	Y N Y N > 25) Y N Y N Y N Y N	
	3 4 1 2 3 4	25	24 23 23	46	39 39 39	7 7 7	Y N Y N Y N Y N Y N Y N Y N Y N	
	3 4 1 2 3 4 5	25	24 23 23	46	39 39 39	7 7 7	Y N Y N > 25) Y N Y N Y N Y N	
	3 4 1 2 3 4 5 6	25	24 23 23	46	39 39 39	7 7 7	Y N Y N Y N Y N Y N Y N Y N Y N Y N	
res Water Quality Cores	3 4 1 2 3 4 5 6 7	25	24 23 23	46	39 39 39	7 7 7	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	
	3 4 2 3 4 5 6 7 8	25	24 23 23	46	39 39 39	7 7 7	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	
	3 4 1 2 3 4 5 6 7 8 9	25	24 23 23	46	39 39 39	7 7 7	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Area:		8000	w Samp			No:	ision:	ENVI-177-0312 R9
	tive Date:	A Little Committee of the Committee of t	12		-	Rev By:	ISIOII.	D. Dul
Task:	The second second second	Snow Sam		eld She	et			
						Pag	je:	2 of 3
Dust	Sample Fi	ilters			Tota	Page al Volume		ision Tracking Only not for
Filte	2000	ght of Filter F (mg)	Filter + R (mg		Resid	due Wei (mg)	12	Comments
1	11/	5.4	375.		0	259.8	Par	ble bugged and not leak
2	W	6.9	291.	7	1	74.8	V	THE CHARLES THE PARTY OF THE PA
3	11	9.1	125	1		6.0		
4					-			
Tota	als 35	1.4	792	1.0	3	40.6		
Filling Order	Analysis	Bottle Type	Triple Rinse	Type *	Type *	Type *		DI Batch # for QAQC, on preserved if not in field, la changes
1	Metals Total	60 mL Falcon Tube (x2)	Y					
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y	4				
3	Total Mercury	40 mL clear glass (pre-preserved)	N					
4	Nutrients	120 mL plastic (pre- preserved)	N					
5	Ammonia	40 mL glass vial (pre-preserved)	N					
6	Routine	1000 mL plastic	Y					1
7	TSS/Turb/pH		Y					
	al Informa	*Sample Type: GW,	DUPW1/DU	JPW2, FBW	/, TBW, E			er Blank ampling event, follow-up acti

			Snow	Sampling F	ield Sheet	35		
						No:	EN	/I-177-0312
Are		-	000	-		Revision	: R9	
	ective Dat		6-Mar-2012			By:	D. E	Dul
Tas	k:	Sr	now Sampl	ing Field Sh	eet			
						Page:	1 evision Tra	of 3 cking Only not for Print
	ERAL					13		
_oc	ATION NAM	E: 55!	5-3	DATE (yyyy-mr	nm-dd): <u>2</u> 67	0-D4-12	TIME (2	4:00): 1600
								QAQC: N/A
GPS	COORDINA	TES (UTM):	533149	E	7148700	N (	zone)	12
								&/or Lake
SI 18	ATE CONDI	TIONS						
				- r-I		5		
ir T	emp:	_°C W	ind Direction:	_ W v	Vind Speed:	kt:	S.	
lust	in Area: Vis	sible 🗍 I	Not Visible		Cloud Cover: (	10% / 10% / 24	5% 150%	75% / 100%
	ipitation: Ra		AND THE RESERVE OF THE PARTY OF					ked Wet Dry
	F-277 C-2-2-2-2-3	0						
_		Depth	Length	Weight of	Weight of	Water		A contraction of
	Core	of	of Snow	Tube	Empty	Content-	Dust	Comments (core weighed, bag #
	Number	Snow	Core	& Core-	Tube-SWE	SWE	Present Yes/No	changes in snow
ust		(cm)	(cm)	SWE (cm)	(cm)	(cm)		condition)
ဂ္ဂ	1	43	46	50	39	11	Y (N)	
					0		74	
ores	2	40	39	52	39	13	Y (N)	
ores	3	40	39 41			13	Y N	
ores				52	39			
ores	3		41	52	39	10	Y N)	
ores	3	43	Dust (Min.	S2 51 of 3 cores – To	39 39 otal Water Con	/ O tent SWE =/:	Y N Y N > 25)	Keweished
ores	3 4	43	Dust (Min.	52 51	39	10	Y N Y N > 25)	Ke weighed
ores	3 4	43	Dust (Min.	52 51 of 3 cores – To	39 39 otal Water Con	/ 0 tent SWE =/:	Y N Y N > 25)	Ke weighed
	3 4 1 2	43 43 4442 45	91 Dust (Min. 46	\$2 51 of 3 cores – To 50	39 39 otal Water Con 39	/ O tent SWE =/:	Y N Y N Y N Y N Y N	
	3 4 1 2 3 4	43 43 442 45	91 Dust (Min. 46)	52 51 of 3 cores - To 50	39 39 otal Water Con	/ 0  tent SWE =/3  //3 //1	Y N Y N > 25) Y N Y N Y N Y N	34
	3 4 1 2 3 4 5	43 43 44 45 45	91 Dust (Min. 48 43 43	\$2 51 of 3 cores – To 50 52 50 53	39 39 otal Water Con 39 37 37	/ 0  tent SWE =/:	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	34 48
	3 4 1 2 3 4 5 6	43 43 442 45 45 45 43	91 Dust (Min. 46)	52 51 of 3 cores - To 50 52 50 53	39 39 otal Water Con 39 37 37 37	/ 0  tent SWE =/3  //  /// ///	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	34 48 Reweighed
	3 4 1 2 3 4 5 6 7	43 43 45 45 45 45 45	91 Dust (Min. 48 43 43 44 44 42 45	52 51 of 3 cores - To 50 52 50 53 51 53	39 39 otal Water Con 39 37 37 37 37	/ 0  tent SWE =/3  //3  //  /// /// /// ///	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	34 48 Reweighed
	3 4 1 2 3 4 5 6 7 8	43 43 45 45 45 45 45 45	41 Dust (Min. 48 43 43 44 42 42 45 43	\$2 51 of 3 cores - To 50 52 50 53 51 53 52	39 39 otal Water Con 39 37 39 39	/0 tent SWE =/3   //   //   //   //   //   //   //	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	34 48 Reweight 59
	3 4 1 2 3 4 5 6 7 8 9	43 43 45 45 45 45 45	91 Dust (Min. 48 43 43 44 44 42 45	52 51 of 3 cores - To 50 52 50 53 51 53	39 39 otal Water Con 39 37 37 37 37	/ 0  tent SWE =/3  //3  //  /// /// /// ///	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	34 48 Reweight 59
Dust Cores Water Quality Cores	3 4 1 2 3 4 5 6 7 8 9	43 43 45 45 45 45 45 45	41 Dust (Min. 48 43 43 44 42 42 45 43	\$2 51 of 3 cores - To 50 52 50 53 51 53 52	39 39 otal Water Con 39 37 39 39	/0 tent SWE =/3   //   //   //   //   //   //   //	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	34 48 Reweighed 59
Water Quality Cores	3 4 1 2 3 4 5 6 7 8 9	43 43 45 45 45 45 45 45	41 Dust (Min. 48 43 43 44 42 42 45 43	\$2 51 of 3 cores - To 50 52 50 53 51 53 52	39 39 otal Water Con 39 37 39 39	/0 tent SWE =/3   //   //   //   //   //   //   //	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	34 48 Reweight 59

<sup>\*\*</sup> Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> – Wt. of Empty Tube<sub>SWE</sub> \*\*

200000	tive Date:		27.222			No: Rev By:	vision:	ENVI-177-0312 R9 D. Dul
Task:	1	Snow Sam	npling Fi	eld She	et	Das		
						Pag Page	e: 3 for Revi	2 of 3 ision Tracking Only not for
Dust	Sample Fil	Iters			Tota	al Volume d	of Melted	Snow: 1105
Filte		ht of Filter (mg)	Filter + R (mç		Resid	due Weig (mg)	ght	Comments
1	117,	.0	249.	3,000	12	351		
2	TO 10 10 10 10 10 10 10 10 10 10 10 10 10	.3	125	.8		9.5		
3	110.	,4	290.	.8	1	75.4		
4 Total			_		2	0		
Tota	als 345	.7	3	7	5	20.0		
Nate	r Quality B	ottles					of Melted	I Snow: 3220
Filling		Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *		Sample Comments  DI Batch # for QAQC, on preserved if not in field, lat
Order		Type	Miles	GW	[		Lucauc	on preserved if not in field, lat changes
1	Metals Total	60 mL Falcon Tube (x2)	Y	Ø				
2	Metals Dissolved	60 mL Falcon Tube ( <b>x2</b> )	Υ					
3	Total Mercury	40 mL clear glass (pre-preserved)	N	Ø				
4	Nutrients	120 mL plastic (pre- preserved)	N					
5	Ammonia	40 mL glass vial (pre-preserved)	N	d				
6	Routine	1000 mL plastic	Υ					
7	TSS/7urb/prl	1000 mL plastic	Y					
	al Informa							
	aday if amount	a Law Visition Assistance as a second		noorne woor	ther proble	ame change	es during sa	ampling event, follow-up action

			Snow	Sampling F	ield Sheet			
						No:	EN	/I-177-0312
Are		7.60	000			Revision	-	· · · · · · · · · · · · · · · · · · ·
	ective Dat		6-Mar-2012			By:	D. D	Oul
Tas	K:	<u>SI</u>	iow Sampi	ing Field Sho	ееι	Page:	1	of 3
						Page 3 for Re		cking Only not for Print
	ERAL	555				13		- 1 44
OC	ATION NAM	E: 000	04-12	DATE (yyyy-mr	nm-dd): <u>202</u>	0-04-12	TIME (2	4:00): 1525
SAM	PLED BY: _	X6 55	2	TYPE OF SA	AMPLE: Dust	X Water	Quality	QAQC: NA
SPS	COORDINA	TES (UTM):	53315	3E	11911	N (	zone)	12 8/or Lake
DES	CRIPTION: I	Distance to I	Diavik	_ km & Direction		0	n: Land	&/or Lake
LIN	IATE COND	TIONS						L
	-11	°C 144	tau Diagrafica.	_ W W	find Conside	5		
	emp	_ 0 "	ind Direction.		iliu opeeu	U NO		
		-0-1-	Mar Vernie X	9		20/ /400/ /0/	-01 1500	7750/ 14000/
			Not Visible 🔀		Cloud Cover: (			
rec	ipitation: Ra	in / Mist / Sr	now / M/A-		Snow Condition	n: Crystallize	ed 🔲 Pac	ked  Wet  Dry
	1							
	0	Depth	Length	Weight of	Weight of	Water	Dust	Comments
	Core Number	of	of Snow	Tube	Empty	Content-	Present	(core weighed, bag # changes in snow
D	Number	Snow (cm)	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Yes/No	condition)
Dust Cores	1	42	41	49	39	/A	Y (N)	-
õ	2		37	44	39	5/	YN	
		142					3 128	
Se		43		11		1,	Y(N)	
es	3	44	44	So	37	11		
es S	3		44	So	37	//	Y N Y N	
es	3 4	44	94 Dust (Min.	11	3 7 otal Water Con		Y N Y N > 25)	71 - 1 - 1
es —	3 4	343	94 Dust (Min. 4/	of 3 cores – To	39 otal Water Con	12	Y N Y N > 25)	Reweighed
es.	3 4 1 2	343 45	94 Dust (Min. 4/	of 3 cores - To	39 Stal Water Con 39	12	Y N Y N > 25) Y N Y N	22
es	3 4 1 2 3	343 45 45	94 Dust (Min. 4/ 38 42	50 of 3 cores - To 51 49 51	39 Stal Water Con 39	12 10 12	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	22
	3 4 1 2 3 4	3 43 45 45 44	Dust (Min. 4/ 3.8 42 43	of 3 cores - To  S1  49  51  53	39 39 39 39	12 10 12 14	Y N Y N > 25) Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	22
	3 4 1 2 3 4 5	\$ 43 45 45 49 44	Dust (Min. 4/ 5 % 42 43 43	of 3 cores - To  S1  49  51  53  51	39 39 39 39 39 39	12 10 12	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	32 44 45 50
	3 4 1 2 3 4 5 6	343 45 45 49 44 44	Dust (Min. 4/ 5.8 42 43 43	50 of 3 cores - To 51 49 51 53 51	39 39 39 39 39 39 39	12 10 12 14	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	32 34 48 48 120 Reweigled
	3 4 1 2 3 4 5 6 7	\$ 43 45 45 49 44	Dust (Min. 4/ 5 % 42 43 43	of 3 cores - To  S1  49  S1  S3  S1  S0  S1	39 39 39 39 39 39 39	12 10 12 14	Y N N > 25)  Y N Y N Y N Y N N N N N N N N N N N N	34 48 48 120 Reweigled
	3 4 1 2 3 4 5 6	343 45 45 49 44 44	Dust (Min. 4/ 5.8 42 43 43	50 of 3 cores - To 51 49 51 53 51	39 39 39 39 39 39 39 39	12 10 12 14 14 11	Y N N N N N N N N N N N N N N N N N N N	34 48 48 120 Reweigled
	3 4 1 2 3 4 5 6 7	3 43 45 45 44 44 44 45 41 45 45	Dust (Min. 4/ 5.8 42 43 41 42	of 3 cores - To  S1  49  S1  S3  S1  S0  S1	39 39 39 39 39 39 39	12 10 12 14 14 11 11	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	34 48 48 120 Reweigled
	3 4 1 2 3 4 5 6 7 8	\$43 45 45 44 44 44 45 42 44 45	Dust (Min. 4/ 58 42 43 43 41 42 36	50 of 3 cores - To 51 49 51 53 51 50 51 49	39 39 39 39 39 39 39 39	12 10 12 14 14 11 12 15	Y N N N N N N N N N N N N N N N N N N N	32 34 48 48 120 Reweigled
es Water Quality Cores	3 4 1 2 3 4 5 6 7 8 9	3 43 45 45 44 44 44 45 42 44 45	Dust (Min. 4/ 58 42 43 43 41 42 36	50 of 3 cores - To 51 49 51 53 51 50 51 49	39 39 39 39 39 39 39 39	12 10 12 14 14 11 12 15	Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	34 48 48 120 Reweigled

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

	tive Date:	8000 26-Mar-20 Spow San	5.11	"-I-I Che		No: Rev By:	vision:	ENVI-177-0312 R9 D. Dul
Task:		Snow San	npling i	IEIO DITE	<u>ət</u>	Pag	je:	2 of 3
Dust	Sample Fil	Iters			Tota	<u>Page</u> al Volume		Snow: 1010
Filte		ht of Filter (mg)	Filter + F		Resid	due Wei (mg)	2.11	Comments
1	115	5.9	155.,	737	,,	39.3	Doub	hie bassed Leaked thra
2		9.0		. 3		0.3		
3								
4 Tota	10 01	211.6	27//	-		201		
10	ils du	34,9	274	.5		39.6		
Water	r Quality B	ottles			Tota	I Volume	of Melted	d Snow: 3185
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *		Sample Comments <u>DI Batch # for QAQC</u> , on preserved if not in field, labe
Oraei				GW				changes
1	Metals Total	60 mL Falcon Tube ( <b>x2</b> )	Υ	M				
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y	Ø	- 🗆			
3	Total Mercury	40 mL clear glass (pre-preserved)	N	A				
4	Nutrients	120 mL plastic (pre preserved)	e- N					
4	Ammonia	40 mL glass vial (pre-preserved)	N	M				
4 5	Routine	1000 mL plastic	Υ	Ø,				
	1	500	Υ	M	Ō			
5	TSS/Turb/pH-	1000 mL plastic			-			OEMX I
5 6 7	TSS/Furb/pH-	*Sample Type: GW						er Blank sampling event, follow-up action

			Snow	Sampling F	ield Sheet			
						No:	EN	VI-177-0312
Are	a:	80	00			Revision	: R9	
Effe	ective Dat	_	-Mar-2012			Ву:	D. [	Dul
Tas	k:	Sn	ow Sampli	ng Field Sh	eet			
						Page:	1 evision Tra	of 3
	ERAL ATION NAME	- 555-5		DATE (vvvv-m	mm-dd): 207	0-04-13	TIME (2	24:00): 1447
								X QAQC: N/A
						/		
SPS	COORDINAT	TES (UTM):	533148	E	1146983	N	(zone)	&/or Lake
ES	CRIPTION: D	istance to D	iavik <u> 1.86</u>	km & Direction	5	0	n: Land	&/or Lake 🔽
	ATE CONDI							
Air T	emp:)(	_°C Wii	nd Direction:	_ U v	Vind Speed:	5 kt	s.	
								(Table 1 4000)
	in Area: Vis ipitation: Rái	and the second second	lot Visible		Cloud Cover: (			/(75% / 100% ked
160	ipitation. Nai	II / Wist / Gill	Syv / IN/A		Show Conditio	m. Crystalize	eu pa, rac	ked M Mer C Diy C
-0		Depth	Length	Weight of	Weight of	Water		Comments
	Core	of	of Snow	Tube	Empty	Content-	Dust	(core weighed hag #
D	Number	Snow	Core	& Core-	Tube-SWE	SWE	Present Yes/No	Changes in snow
Dust		(cm)	(cm)	SWE (cm)	(cm)	SWE (cm)	Yes/No	changes in snow condition)
Dust Co	1		(cm) 30	SWE (cm)	(cm) 39.0	(cm)	Yes/No	Changes in Show
Dust Cores	1 2	(cm)	(cm)	SWE (cm)	(cm)	(cm)	Yes/No Y N	Changes in Show
<b>Dust Cores</b>	1	(cm) 50	(cm) 30	SWE (cm)	(cm) 39.0	(cm)	Yes/No	Changes in Show
Dust Cores	1 2	(cm) 50 56	(cm) 3© 44	SWE (cm) 5 0 60	(cm) 39.0	(cm)	Yes/No Y N	Changes in Show
Dust Cores	1 2 3	(cm) 50 56	(cm) 30 44 39	SWE (cm) 5 0 60	(cm) 39.0 39 39	(cm)       21    (M) /2	Yes/No Y N Y N Y N Y N	Changes in Show
Dust Cores	1 2 3 4	(cm) 50 56	(cm) 30 44 39	SWE (cm) 50 60 60 51	(cm) 39.0 39 39	(cm)       21    (M) /2	Yes/No Y N Y N Y N Y N Y N Y N Y N	Changes in Show
Dust Cores	1 2 3 4	(cm) 50 50 50	(cm) 30 44 39 Dust (Min.	SWE (cm) 5 0 60 60 51 of 3 cores – To	(cm) 39.0 39 39 35	(cm)	Yes/No Y N Y N Y N Y N Y N > 25)	condition)
Dust Cores	1 2 3 4	(cm) 50 50 50	(cm) 30 44 39 Dust (Min.	SWE (cm) 5 0 60 60 51 of 3 cores – To	(cm) 39.0 39 39 39 otal Water Con	(cm)    2     2     4  /2    tent SWE =/	Yes/No Y N Y N Y N Y N Y N Y N Y N	condition)
	1 2 3 4	(cm) 50 50 50 50 50 49	(cm) 30 44 39 Dust (Min. 45 47	SWE (cm) 5 0 60 60 51 of 3 cores – To 51 55	(cm) 39.0 39 89 39 otal Water Con 39 39	(cm)	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)  32 Fe weight
	1 2 3 4	(cm) 50 50 50 50 50 49	(cm) 30 44 39 Dust (Min. 45 47	SWE (cm) 5 0 60 60 51 of 3 cores - To 51 55 55	(cm) 39.0 39 39 39 39	(cm)    2     2     4  /2    tent SWE =/	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)  32 re weighed
	1 2 3 4	(cm) 50 50 50 50 50 49 49 49	(cm) 30 44 39 Dust (Min. 45 47	SWE (cm) 5 0 60 60 51 of 3 cores - To 51 55 55 56	(cm) 39.0 39 89 80 80 80 80 80 80 80 80 80 80 80 80 80	(cm)	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)  32 Fe weight
	1 2 3 4 1 2 3 4 5 6	(cm) 50 50 50 50 50 49 49 49 49	(cm) 30 44 39 Dust (Min. 45 47 47 47 47	SWE (cm) 5 0 60 60 51 of 3 cores - To 51 55 55 56	(cm) 39.0 39 39 39 39 39	(cm)    2     2     4  /2    tent SWE =/	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)  32 re weight
	1 2 3 4 1 2 3 4 5 6 7	(cm) 50 50 50 50 50 49 49 49	(cm) 30 44 39 Dust (Min. 45 47	SWE (cm) 5 0 60 60 51 of 3 cores - To 51 55 55 56	(cm) 39.0 39 89 80 80 80 80 80 80 80 80 80 80 80 80 80	(cm)	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)  32 re weighed
	1 2 3 4 1 2 3 4 5 6 7 8	(cm) 50 50 50 50 50 49 49 49 49	(cm) 30 44 39 Dust (Min. 45 47 47 47 47	SWE (cm) 5 0 60 60 51 of 3 cores - To 51 55 55 56	(cm) 39.0 39 39 39 39 39	(cm)	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)  32 Fe weight  17  61  17  19  18  18
	1 2 3 4 1 2 3 4 5 6 7 8 9	(cm) 50 50 50 50 50 49 49 49 49	(cm) 30 44 39 Dust (Min. 45 47 47 47 47	SWE (cm) 5 0 60 60 51 of 3 cores - To 51 55 55 56	(cm) 39.0 39 39 39 39 39	(cm)	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)  32 re weighed
	1 2 3 4 1 2 3 4 5 6 7 8 9	(cm) 50 50 50 50 50 49 49 49 49	(cm) 30 44 39 Dust (Min. 45 47 47 47 47	SWE (cm) 5 0 60 60 51 of 3 cores - To 51 55 55 56	(cm) 39.0 39 39 39 39 39	(cm)	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)  32 Fe weight  17  61  12  12  13  14  17  18
Dust Cores Water Quality Cores	1 2 3 4 1 2 3 4 5 6 7 8 9	(cm) 50 50 50 50 50 49 49 49 49	(cm) 30 44 39 Dust (Min. 45 47 47 47 47	SWE (cm) 5 0 60 60 51 of 3 cores - To 51 55 55 56	(cm) 39.0 39 39 39 39 39	(cm)	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	condition)  32 Fe weighted  17  61  17  18

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Area:			8000		pling Fi		No:	ision:	ENVI-177-0312 R9	
		Date:	26-Mar-20	12			By:	ISIUII.	D. Dul	
Task:			Snow Sam		ield She	et			5. 5	
							Pag		2 of	3
							Page	3 for Revi	sion Tracking Only not fo	or
Dust	Sam	nple Fil	ters			Tota	I Volume	of Melted	Snow: 200	_
Filte	er#		ht of Filter F (mg)	Filter + F		Resid	due Wei	ght	Comments	
1		118	,5	147.			28.7			
2		1. 36					2384.6			
3										
4										
Tota	als	118	5	147:	2		29.7			
				111	^					
Nater	r Qua	ality B	ottles	Ú.			Г. Т	of Melted	Snow: 30 90 Sample Comments	
	1					The second second	1.02 in 10 men and		Canania Cananaana	
Filling Order	An	alysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *		DI Batch # for QAQC, on preserved if not in field, I changes	al
	IV.	n <b>alysis</b> Vietals Total	100000000000000000000000000000000000000	13x 7x4 x 2x  Type *				DI Batch # for QAQC, on preserved if not in field, I	al	
Order	M T	/letals	Type 60 mL Falcon	Rinse	Type *	Type *	Type *		DI Batch # for QAQC, on preserved if not in field, I	al
Order 1	M Dis	/letals Total /letals ssolved	60 mL Falcon Tube (x2)	Rinse	Type*	Type *	Type *		DI Batch # for QAQC, on preserved if not in field, I	la
1 2	M Dis	/letals Total /letals ssolved Total ercury	Type  60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass	Y Y N	Type* GW	Type *	Type*		DI Batch # for QAQC, on preserved if not in field, I	la
Order  1 2	M Dis	/letals Total /letals ssolved Total ercury	Type  60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-	Y Y N	Type* GW  TY	Type *	Type*		DI Batch # for QAQC, on preserved if not in field, I	la
1 2 3 4	M Dis	/letals Total /letals ssolved  Total ercury	Type  60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic	Y Y N N	Type* GW  II	Type *	Type*		DI Batch # for QAQC, on preserved if not in field, I	la
1 2 3 4 5	Model Number American	/letals Total /letals ssolved  Total lercury utrients	Type  60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-preserved)  40 mL glass vial (pre-preserved)	Y Y N N N	Type* GW  GW  GW  GW  GW  GW  GW  GW  GW  GW	Type *	Type*		DI Batch # for QAQC, on preserved if not in field, I	lal
1 2 3 4 5 6 7 tiona	Modis Num Am Rot TSS/	//letals Total //letals ssolved  Total ercury  utrients nmonia  putine //furb/pH	Type  60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic  *Sample Type: GW,	Y Y N N N Y T OUPW1/DI	Type* GW  W  W  UPW2, FBW	Type *	Type *	Locatio	DI Batch # for QAQC, on preserved if not in field, I changes	
1 2 3 4 5 6 7 tional color, or	Mundon Mu	//letals Total //letals ssolved  Total ercury  itrients  nmonia  putine //Turb/pH  forma applicable	Type  60 mL Falcon Tube (x2)  60 mL Falcon Tube (x2)  40 mL clear glass (pre-preserved)  120 mL plastic (pre-preserved)  40 mL glass vial (pre-preserved)  1000 mL plastic  *Sample Type: GW,	Y Y N N N Y T OUPW1/DI s, safety cor	Type*  GW  W  W  UPW2, FBW	Type *	Type *	Locatio	DI Batch # for QAQC, on preserved if not in field, I changes	

	Snow Sampling Field	Sheet	
		No:	ENVI-177-0312
Area:	8000	Revision:	Turbert 18 Comment of the Comment of
Effective Date:	26-Mar-2012	By:	D. Dul
Task:	Snow Sampling Field Sheet		
		Page: Page 3 for Revi	1 of 3 sion Tracking Only not for Prin
GENERAL		13	
OCATION NAME:	SSC-  DATE (yyyy-mmm-dd	1: 2020-64-12	TIME (24:00): 1400
SAMPLED BY: K6		:: Dust 🔯 Water Q	luality 🏻 QAQC: <u>N/A</u>
DESCRIPTION: Distan	ce to Diavik 4.78 km & Direction	5 On:	Land X &/or Lake
DESCRIPTION. DISTAN	co to Blavik kill a Bliodion		7 -
CLIMATE CONDITION			

Dust	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 (core weighed, bag #, changes in snow condition)
	1	30	28	41	39	2	Y (N)	
Cores	2	35	32	47	39	8	A (N)	10
S	3	2935	.29	46	39	7	Y (N)	24
	4	35	28	46	39	7	Y (N)	
		34	Dust (Min.	of 3 cores - To	otal Water Con	tent SWE =/	> 25)	
	1	32 35	30	47	39	8	Y (N)	re weighted
	2	35	29	44	39	8 :	A (N)	<i>y</i>
	3	37	26	46	39	7:	Y (N)	
5	4	36	26	45	39	6	Y (N)	29
/ate	5	35	26	45	39	6	YW	35
Qu	6	38	32	49	39	10	YO	45 \$6
Water Quality Cores	7	<b>跨焰</b> 43	35	49	39	10	Y (N	9
Co	8	44	35	50	39	11	YØ	75
res	9	44	35	48	39	9	Y(N)	85,
	10	44	35	49	39	10	YW	
	11	44	34	49	39	10	YN	95
	12	44	36	48	39	9	Y (N)	FOI
				Min. of 3 cores		Content SW	The second second second	

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

Area:

**Effective Date:** 

Filte	r# Weig	ht of Filter I	Filter + F m)	Residue g)	Resi	due Weight (mg)	Comments
1	110	1.8	121			6.2	Visible dust I dirt on filter Some veg on filter Tople bussed leak
3	4						
4	3		-				
Tota	ils	1.8	121	-0		6.2	
Nater	Quality E	ottles		Commis			Sample Comments (mL)
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *	DI Batch # for QAQC,  ocation preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube (x2)	Υ	A	П		
2	Metals Dissolved	60 mL Falcon Tube ( <b>x2</b> )	Y	M			
3	Total Mercury	40 mL clear glass (pre-preserved)	N	0/			
4	Nutrients	120 mL plastic (pre- preserved)	N	d			
5	Ammonia	40 mL glass vial (pre-preserved)	N				
6	Routine	1000 mL plastic	Υ				
7	TSS/Turb/pH	1 <del>000</del> mL plastic	Y				
			s, safety cor	ncerns, weat			c, Filter Blank ring sampling event, follow-up actions etc.)

**Snow Sampling Field Sheet** 

8000

26-Mar-2012

No:

By:

Revision:

ENVI-177-0312

R9

D. Dul

			SHOW	Sampling F		No:	ENIV	/I-177-0312
Area		80	00			No: Revision	-	1-177-0312
	a. ctive Dat		-Mar-2012			By:	D. D	oul
asl				ng Field She				
						Page: Page 3 for Re	1 evision Trac	of 3 cking Only not for Print
	RAL				0			11.112
								4:00): 1645
						•		QAQC: DUP
PS	COORDINA	TES (UTM):	\$ 5287	14 E	1153273	3N (	zone)	2\(\sigma\)
ESC	RIPTION: D	istance to D	iavik_ 1.71	_km & Direction	W	0	n: Land 🔀	&/or Lake
LIM	ATE CONDI	TIONS						
ir Te	emp:/기	_°C Wi	nd Direction:	_N_ N	/ind Speed:		s.	
			Not Visible	,	Cloud Cover: 0			75% / 100%
reci	pitation: Ra	in / Mist)/ Sn	ow / N/A	,				ked X Wet Dry D
							31	reig
	Core	Depth of	Length of Snow	Weight of Tube	Weight of Empty	Water Content-	Dust	Comments (core weighed, bag #,
	Core	or	F - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2		Charles C. 2011		Present	changes in snow
	Number	Snow	Core	& Core-	Tube-SWE	SWE	ManiAla	
Dus		Snow (cm)	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Yes/No	condition)
Direct C							Y (N)	condition)
Dust Cores	Number	(cm)	(cm) 58	SWE (cm)	(cm)	(cm)	Y (N)	
Duct Corpe	Number 1	(cm) 59	(cm) 58	SWE (cm)	(cm) 39	(cm)	Y (2) Y (2) Y (2)	condition)
Diret Cores	Number  1 2	(cm) 59 4539	(cm) 50 34	<b>SWE (cm)</b> 50	(cm) 39 49 39	(cm) 17 12	Y (N)	condition)
Dust Cores	Number  1 2 3	(cm) 59 4539	(cm) 50 34 41	<b>SWE (cm)</b> 50	(cm) 39 49 39 39	(cm) 17 12 16	Y (2) Y (2) Y (2) Y N	condition)
Dust Cores	Number  1 2 3	(cm) 59 4539	(cm) 50 34 41	SWE (cm) 56 51 58	(cm) 39 49 39 39	(cm) 17 12 16 tent SWE =/	Y (N) Y (N) Y (N) Y (N) Y (N) Y (N)	condition) hard packed top-cry
Dust Cores	Number  1 2 3 4	(cm) 59 45 39 44	(cm) 50 34 41 Dust (Min.	SWE (cm)	(cm) 39 49 39 39 otal Water Con	(cm) 17 12 16 tent SWE =/	Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N)	condition)
Dust Cores	1 2 3 4 1	(cm) 59 45 39 44 28 27	(cm) 50 34 41 Dust (Min.	SWE (cm) SO SI SS of 3 cores - To	(cm) 39 49 39 39 otal Water Con	(cm) 17 12 16 tent SWE =/	Y (2) Y (2) Y (2) Y N > 25) Y (2) Y (2) Y (2)	condition) hard packed top - cry
	1 2 3 4 1 2 2	(cm) 59 45 39 44 28 27 38	(cm) 50 34 41 Dust (Min.	SWE (cm) SO SI SS of 3 cores - To 446	(cm) 39 49 39 39 otal Water Con 39	(cm) 17 12 16 tent SWE =/ 7 8	Y \( \bar{\chi} \) Y \( \bar{\chi} \) Y \( \bar{\chi} \) Y \( \chi \)	condition) hard packed top - cry
Dust Cores Water	1 2 3 4 1 2 3 3	(cm) 59 45 39 44 28 27 38	(cm) 50 34 41 Dust (Min. 28 26 33	SWE (cm)  50  51  55  of 3 cores - To  46  47	(cm) 39 49 39 39 otal Water Con 39 39	(cm) 1-7 12 16 tent SWE =/	Y (2) Y (2) Y (2) Y N > 25) Y (2) Y (2) Y (2)	condition) hard packed top - cry
	1 2 3 4 1 2 3 4	(cm) 59 45 39 44 28 27 38	(cm) 50 34 41 Dust (Min. 28 26 33	SWE (cm)	(cm) 39 49 39 39 Stal Water Con 39 39 39	(cm) 17 12 16 tent SWE =/ 7 8	Y (2) Y (2) Y (2) Y N > 25) Y (2) Y	condition) hard packed top - cry
	1 2 3 4 5 5	(cm) 59 45 39 44 28 27 38 38 35	(cm) 50 34 41 Dust (Min. 28 26 33 35 32	SWE (cm)  50  51  55  of 3 cores - To  46  47  44  48	(cm) 39 49 39 39 otal Water Con 39 39 39 39	(cm) 17 12 16 tent SWE =/ 7 8 8	Y (2) Y (2)	condition) hard packed top - cry  14 8 28 18 36 45 Reweighed
	1 2 3 4 5 6	(cm) 59 45 39 44 28 27 38 35 36 35 36 33	(cm) 50 34 41 Dust (Min. 28 36 33 35 35	SWE (cm)	(cm) 39 49 39 39 otal Water Con 39 39 39 39 39	(cm) 17 12 16 tent SWE =/ 7 8 9 9 6 8	Y (2) Y (2)	condition) hard packed top - cry  14 8 28 18 19 19 19 19 19 19 19 19 19 19 19 19 19
Dust Cores Water Quality Cores	1 2 3 4 5 6 7	(cm) 59 45 39 44 28 27 38 38 25 36	(cm) 50 34 41 Dust (Min. 28 36 33 35 32 35 30	SWE (cm)  SO  51  SS  of 3 cores - To  46  47  44  48  48  46	(cm) 39 49 39 39 39 39 39 39 39	(cm) 17 12 16 tent SWE =/ 4 8 8 9 9	Y (2) Y (2)	condition) hard packed top - cry  14 8 28 18 36 45 Reweighed
	1 2 3 4 5 6 7 8	(cm) 59 45 39 44 28 27 38 38 35 36 35 30 33	(cm) 50 34 41 Dust (Min. 28 36 35 30 35 30 35	SWE (cm)  So  51  SS  of 3 cores - To  46  47  44  48  48  46  47	(cm) 39 49 39 39 otal Water Con 39 39 39 39 39 39	(cm) 17 12 16 tent SWE =/ 7 8 9 9 6 8	Y (2) Y (2)	condition) hard packed top - cry  14 8 28 18 19 19 19 19 19 19 19 19 19 19 19 19 19
	1 2 3 4 5 6 7 8 9	(cm) 59 45 39 44 28 27 38 25 36 35 36 33 33	(cm) 50 34 41 Dust (Min. 28 36 35 32 35 30 35	SWE (cm)  SO  51  SS  of 3 cores - To  46  47  44  48  46  47  45	(cm) 39 49 39 39 39 39 39 39 39 39 39 39	(cm) 17 12 16 tent SWE =/ 47 8 9 6 8	Y (2) Y (2)	condition) hard packed top - cry  14 8 28 12 14 5 14 5 16 18 19 19 19 19 19 19 19 19 19 19 19 19 19
	1 2 3 4 5 6 7 8 9 10	(cm) 59 45,39 44 44 28 27 38 35 36 35 33 33 33	(cm) 50 34 41 Dust (Min. 28 36 35 30 35 30 35	SWE (cm)  So  51  SS  of 3 cores - To  46  47  48  48  46  47  45  47	(cm) 39 49 39 39 39 39 39 39 39 39 39 39 39 39	(cm) 17 12 16 tent SWE =/ 7 8 9 6 8 5	Y (2) Y (2)	condition) hard packed top - cry  14 8 28 18 19 19 19 19 19 18 19 19 19 19 19 19 19 19 19 19 19 19 19

Document #: ENVI-134-0112 R6 Effective Date: 01-January-2012 This is not a controlled document when printed 10.2 Forms-2012 Active Forms

Area		8000	040	*		No: Revis By:	
⊏πec Task	tive Date	: 26-Mar-2 Snow Sar		D. Dul			
Idək		SHOW Sai	ripiirig F	ieid Sne	et	Page 3	: 2 of 3 for Revision Tracking Only not for Print
Dust	Sample F	ilters			Tota	al Volume of	Melted Snow: 15155 (mL)
Filter # Weight of Filter (mg)			Filter + Residue (mg)		Residue Weight (mg)		nt Comments
1 11:		8.4	140.		/	21.7	3x bagged, no lookage, visible de
2							some v
3							
4							
Tota	als   119	1,4	140-1		2	21.7	
Vate	r Quality I	Bottles			Tota	l Volume of	Melted Snow: 31 80 (mL)
417.	Auchote	Bottle	Triple	Sample Type *	Sample Type *	Sample Type *	Sample Comments  DI Batch # for QAQC,
Filling Order	Analysis	Туре	Rinse			Турс	Location preserved if not in field, label changes
1	Metals Total	60 mL Falcon Tube (x2)	Y				
2	Metals Dissolved	60 mL Falcon Tube (x2)	Υ				
3	Total Mercury	40 mL clear glass (pre-preserved)	N				
4	Nutrients	120 mL plastic (pre	N				
5	Ammonia	40 mL glass vial (pre-preserved)	N				
6	Routine	4000 mL plastic	Υ	M			
7	TSS/ <del>Furb/pH</del>	1000 mL plastic	Υ	M			
		*Sample Type: GW	DUPW1/DI	JPW2, FBW	TBW FF	BW. REP1/REF	22 Filter Blank
olor, o	I Information if application	ation					uring sampling event, follow-up actions etc.)
- TN	ple bagged	, some vey in s	ample				
							- Y

			Snow S	Sampling F	ield Sheet			
			00			No:		1-177-0312
Area: 8000			1.77			Revision:	R9 D. D	out -
Effective Date:			-Mar-2012			Ву:	<u>D. D</u>	ui
Гas	K:	Sn	low Sampili	ng Field She		Page:	1	of 3
			4.0			Page 3 for Re		cking Only not for Print
GENI	ERAL				0.04	ar ul	and bands	10<0
								4:00):
						1		QAQC: X DU
SPS	COORDINAT	ES (UTM):	528714	E_7	153273	N (:	zone)	
DESC	CRIPTION: D	istance to I	Diavik 1.71	km & Direction	W	0	n: Land 🔀	&/or Lake
	IATE CONDI		ad Dissellent	N	lind Speed:	() kts		
Air T	emp:	_'C W	ina Direction:				100	
Dust	in Area: Vis	ible 📮	Not Visible 💢	[ (	Cloud Cover: 0	% / 10% / 25	5% / 50% /	75% / 100%
Prec	ipitation: Rai	n/Mist/Sr	now / N/A		Snow Conditio	n: Crystallize		ked 🕅 Wet 🗌 Dry 🔲
							Ve	en
	L. LETTI	Depth	Length	Weight of	Weight of	Water	Dust	Comments (core weighed, bag #
	Core	of	of Snow	Tube	Empty	Content-	Present	changes in snow
	Mumbar		A	0 0	Tuba CIME	CIVIE		Citatigeo in Citati
Du	Number	Snow (cm)	Core (cm)	& Core- SWF (cm)	Tube-SWE	SWE (cm)	Yes/No	condition)
Dust C	Number 1	(cm)	(cm)	SWE (cm)	(cm)	SWE (cm)		condition)
Dust Core	0	(cm) 42	(cm) 37	SWE (cm) 54	(cm) 39	(cm)  5	Yes/No Y N	Citatigeo in Citati
<b>Dust Cores</b>	· 1	(cm) 42 32	(cm)	SWE (cm)	(cm)	(cm)	Yes/No Y N Y N Y N	Re-seighed
<b>Dust Cores</b>	1 2	(cm) 42	(cm) 37 30	54 44	(cm) 39 39	(cm)  5  8	Yes/No Y N	Re-seighed
Dust Cores	1 2 3	(cm) 42 32	(cm) 37 30 31	54 44	(cm) 39 39 31	(cm) 15 8	Yes/No Y (N) Y (N) Y (N) Y (N) Y (N) Y N	Re-seighed
Dust Cores	1 2 3	(cm) 42 32	(cm) 37 30 31	54 44 47	(cm) 39 39 31	(cm) 15 8	Yes/No Y (N) Y (N) Y (N) Y (N) Y N > 25) Y N	Re-seighed
Dust Cores	1 2 3 4	(cm) 42 32	(cm) 37 30 31	54 44 47	(cm) 39 39 31	(cm) 15 8	Yes/No Y N Y N Y N Y N Y N Y N	Re-seighed
Dust Cores	1 2 3 4	(cm) 42 32	(cm) 37 30 31	54 44 47	(cm) 39 39 31	(cm) 15 8	Yes/No Y (N) Y (N) Y (N) Y (N) Y N > 25) Y N	Re-seighed
	1 2 3 4	(cm) 42 32	(cm) 37 30 31	54 44 47	(cm) 39 39 31	(cm) 15 8	Yes/No Y (N) Y (N) Y (N) Y (N) Y N  > 25) Y N Y N	Re-seighed
	1 2 3 4	(cm) 42 32	(cm) 37 30 31	54 44 47	(cm) 39 39 31	(cm) 15 8	Yes/No Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N)	Re-seighed
	1 2 3 4	(cm) 42 32	(cm) 37 30 31	54 44 47	(cm) 39 39 31	(cm) 15 8	Yes/No Y (N)	Re-seighed
	1 2 3 4 5 5	(cm) 42 32	(cm) 37 30 31	54 44 47	(cm) 39 39 31	(cm) 15 8	Yes/No Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N)	Re-seighed
	1 2 3 4 5 6	(cm) 42 32	(cm) 37 30 31	54 44 47	(cm) 39 39 31	(cm) 15 8	Yes/No Y (N)	Re-seighed
Dust Cores Water Quality Cores	1 2 3 4 5 6 7	(cm) 42 32	(cm) 37 30 31	54 44 47	(cm) 39 39 31	(cm) 15 8	Yes/No Y (N)	Re-seighed
	1 2 3 4 5 6 7 8	(cm) 42 32	(cm) 37 30 31	54 44 47	(cm) 39 39 31	(cm) 15 8	Yes/No Y (N)	Re-seighed
	1 2 3 4 5 6 7 8 9	(cm) 42 32	(cm) 37 30 31	54 44 47	(cm) 39 39 31	(cm) 15 8	Yes/No Y (N)	Re-seighed

<sup>\*\*</sup> Water Contentswe = Wt. of Tube & Coreswe - Wt. of Empty Tubeswe \*\*

No. of the control of			-2012			No Re By	vision:	R9 D. Dul			
Task	:	Snow Sa	mpling F	ield She	eet						
						Pa Pag	ge: e 3 for Revi	2 sion Tracki	of ng Only no	t fo	
Dust	Sample	Filters			Tota	al Volume	of Melted	Snow:	975		
Filte	er# Wo	eight of Filter (mg)	Filter + Residue (mg)		Residue Weight (mg)			Comments			
1		118.3	128,4			10.1					
2											
3											
4											
Tota	als	118.3	128.4			10.1					
Filling Order	Analysis	Bottles  Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *		Sample Co DI Batch # f n preserved chang	omments or QAQC, if not in field	d, la	
1	Metals Total	60 mL Falcon Tube (x2)	Y	A		B		Chang	jes		
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y	) AL							
3	Total Mercury	40 mL clear glass (pre-preserved)	N			6					
4	Nutrients	120 mL plastic (pre preserved)	N	Ø							
5	Ammonta	40 mL glass vial (pre-preserved)	N	1					\		
6	Routine	1000 mL plastic	Y	N/						\	
7	TSS/Turb/p	H- 1000 mL plastic	Υ	Q/							
olor, o	I Inform	*Sample Type: GW  mation cable: (equipment issue) ged, did not be	s, safety con	cems, weat	her proble				, follow-up a	actio	

			Snow S	Sampling Fi	<u>ield Sheet</u>			30 0 0 0 0 M
								I-177-0312
Area: 8000								
Effective Date: 26-Mar-2012  Task: Snow Sampling Field Sheet						Ву:	ul	
Tas	k:	Sno	w Sampli	ng Field She		Dogo	1	of 3
						Page 3 for Re	evision Trac	king Only not for Print
GEN	ERAL	00-			0406	No: ENVI-177-0312 Revision: R9 By: D. Dul  Page: 1 of 3 Page 3 for Revision Tracking Only not for Print  13 St Water Quality QAQC: JA St Water Quality QAQC: JA St On: Land Arc & Arc On: Land Arc On: Land West Dry Dry St On: Crystallized Packed West Dry		
LOC	ATION NAME	: <u>SSC-3</u>	<u> </u>	DATE (yyyy-mm	nm-dd): <u>(X)(X) C</u>	109-100	TIME (24	1:00): 10 10 10
SAM	PLED BY: 🐰	6552		TYPE OF SA	MPLE: Dust	✓ Water	Quality [	QAQC: U/A
000	OOODDINA.	TEC (LITM).	5386	19 = +	714 874	) N(	zone)	12W
3PS	COORDINA	ietanas ta Di	0 3 5 Q	km & Direction	SF		n: Land X	7 &/or Lake
JES(	SKIP HON: L	nstance to Di	avin	_ WILL OF DIRECTION				
CLIV	ATE CONDI	TIONS				5		
Air T	emp: -13	°C Wir	d Direction:	W w	/ind Speed:	kt	s.	
	op.							-
Duet	in Area. Vis	sible D N	ot Visible	R c	Cloud Cover: 0	0%/10%/2	5% / 50% /	75% / 100%
		in / Mist / Sno			Snow Conditio	n: Crystallize	ed 🔲 Pack	ked Wet Dry D
riec	ipitation. Na	III / IVIIST / OTIC	W / W/					7
-		Depth	Length	Weight of	Weight of	Water		Comments
	Core	of	of Snow	Tube	The state of the s	Content-	Dust	(core weighed, bag #
	Number			IUDU	Empty	Content	Drocont	
П	Number	Snow	Core	& Core-	Tube-SWE	SWE	Present Yes/No	changes in snow
Dust		(cm)	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm)	Yes/No	changes in snow condition)
Dust Co	1	(cm) 90	Core (cm)	& Core-	Tube-SWE (cm)	SWE (cm) 28	Yes/No	changes in snow
<b>Dust Cores</b>		(cm) 90 103.87	Core (cm)	& Core- SWE (cm) 67	Tube-SWE (cm)	SWE (cm)   28   18	Yes/No Y N	changes in snow condition)
<b>Dust Cores</b>	1	(cm) 90	Core (cm)	& Core- SWE (cm)	Tube-SWE (cm)	SWE (cm) 28	Yes/No Y N Y N Y N	changes in snow condition)
<b>Dust Cores</b>	1 2	(cm) 90 103.87	Core (cm) 88	& Core- SWE (cm) 67	Tube-SWE (cm)	SWE (cm)   28   18	Yes/No Y N	changes in snow condition)
<b>Dust Cores</b>	1 2 3	(cm) 90 103.87	Core (cm) 88 56 82	& Core- SWE (cm) 67	Tube-SWE (cm) 39 39 39	SWE (cm)   28   18   25	Yes/No Y N Y N Y N Y N Y N	changes in snow condition)
Dust Cores	1 2 3	(cm) 90 103.87	Core (cm) 88 56 82 Dust (Min.	& Core- SWE (cm) 67 57 65 of 3 cores – To	Tube-SWE (cm) 39 39 39	SWE (cm)   28   18   25     20	Yes/No Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N)	changes in snow condition)  11 one + done
Dust Cores	1 2 3 4	(cm) 90 103.87 84	Core (cm) 88 56 82 Dust (Min.	& Core- SWE (cm) 67 57 65 of 3 cores – To	Tube-SWE (cm) 39 ·39 39 otal Water Con	SWE (cm)   28   18   25     20	Yes/No Y (N) Y (N) Y (N) Y (N) Y (N) Y (N) Y (N)	changes in snow condition)  11 one + done
Dust Cores	1 2 3 4	(cm) 90 103.87 87 84 90	Core (cm) 88 56 82  Dust (Min.	& Core- SWE (cm) 67 57 65 of 3 cores – To	Tube-SWE (cm) 39 -39 -39	SWE (cm)   28   18   25	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)  11 one + done
	1 2 3 4 1 2 2	(cm) 90 103.87 84	Core (cm) 88 56 82 Dust (Min.	& Core- SWE (cm) 67 57 65 of 3 cores – To	Tube-SWE (cm) 39 39 39 otal Water Con	SWE (cm)   28   18   25	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)  11 one + done
	1 2 3 4 1 2 3 3	(cm) 90 103.87 84 90 87	Core (cm) 88 56 82  Dust (Min. 79 84 83	& Core- SWE (cm) 67 57 65 of 3 cores – To	Tube-SWE (cm) 39 -39 -39	SWE (cm)   28   18   25	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)  11 one + done
	1 2 3 4 1 2 3 4	(cm) 90 103.87 84 90 87	Core (cm) 88 56 82  Dust (Min. 79 84 83	& Core- SWE (cm) 67 57 65 of 3 cores – To	Tube-SWE (cm) 39 -39 -39	SWE (cm)   28   18   25	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)  11 one + done
	1 2 3 4 5 5	(cm) 90 103.87 84 90 87	Core (cm) 88 56 82  Dust (Min. 79 84 83	& Core- SWE (cm) 67 57 65 of 3 cores – To	Tube-SWE (cm) 39 -39 -39	SWE (cm)   28   18   25	Yes/No Y (N)	changes in snow condition)  11 one + done
	1 2 3 4 5 6	(cm) 90 103.87 84 90 87	Core (cm) 88 56 82  Dust (Min. 79 84 83	& Core- SWE (cm) 67 57 65 of 3 cores – To	Tube-SWE (cm) 39 -39 -39	SWE (cm)   28   18   25	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)  11 one + done
Dust Cores Water Quality Cores	1 2 3 4 5 6 7	(cm) 90 103.87 84 90 87	Core (cm) 88 56 82  Dust (Min. 79 84 83	& Core- SWE (cm) 67 57 65 of 3 cores – To	Tube-SWE (cm) 39 -39 -39	SWE (cm)   28   18   25	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)  11 one + done
	1 2 3 4 5 6 7 8	(cm) 90 103.87 84 90 87	Core (cm) 88 56 82  Dust (Min. 79 84 83	& Core- SWE (cm) 67 57 65 of 3 cores – To	Tube-SWE (cm) 39 -39 -39	SWE (cm)   28   18   25	Yes/No Y (N)	changes in snow condition)  11 one + done  12 weighted  48
	1 2 3 4 1 2 3 4 5 6 7 8 9	(cm) 90 103.87 84 90 87	Core (cm) 88 56 82  Dust (Min. 79 84 83	& Core- SWE (cm) 67 57 65 of 3 cores – To	Tube-SWE (cm) 39 -39 -39	SWE (cm)   28   18   25	Yes/No Y N Y N Y N Y N Y N Y N Y N Y N Y N Y N	changes in snow condition)  11 one + done

\*\* Water Content<sub>SWE</sub> = Wt. of Tube & Core<sub>SWE</sub> - Wt. of Empty Tube<sub>SWE</sub> \*\*

Area Effec Task	tive Date		8000 26-Mar-2012 Snow Sampling Field Sheet				sion:	ENVI-177-0312 R9 D. Dul		312
						Page Page 3	: for Revi	2 sion Tra	of cking Only	3 not for
Dust	Sample	Filters			Tota	al Volume of	Melted	Snow:	2185	
Filte	er# Wei	ight of Filter (mg)		Residue	Resi	due Weigl (mg)	nt	C	omment	s
1	)		162,6.			44.5	Trip	Triple Buyged, leaked into 3		
2										
3										
Tota		8.1	162.	1-		nur E				
			100	0		44.5				
Nate	r Quality	Bottles			Tota	I Volume of	Melted	Snow:	3090	
Filling Order	Analysis	Bottle Type	Triple Rinse	Sample Type *	Sample Type *	Sample Type *		DI Batch	Comments # for QAQC red if not in fi	
1	Metals Total	60 mL Falcon Tube (x2)	Υ	(A)				ch	anges	
2	Metals Dissolved	60 mL Falcon Tube (x2)	Y	M						
3	Total Mercury	40 mL clear glass (pre-preserved)	N	. 🗹				-		
4	Nutrients	120 mL plastic (pre- preserved)	N	0						
5	Ammonia	40 mL glass vial (pre-preserved)	N							
6	Routine	1000 mL plastic	Υ							
7	TSS/ <del>Turb/pH</del>	1000 mL plastic	Y							
iona	I Inform	*Sample Type: GW,	DUPW1/D	UPW2, FBW	, TBW, EB	BW, REP1/REF			ent, follow-u	o actio