entered oven @ 2:08 pm on 2/3/2021

Tray ID	Tray weight	tray + soil	Tray + soil dry
C31	1.1328	6.0069	5.2735
C33	1.1462	7.1141	6.2277
C36	1.1106	6.7563	5.8581
C39	1.1395	6.8340	5.9232
C310	1.1182	6.0982	5.4554
C41	1.1351	7.2289	6.2319
C43	1.1040	5.8358	5.0960
C46	1.0818	5.5172	4.7249
C49	1.0840	6.9554	5.9272
C410	1.1502	7.5591	6.3819
T32	1.1705	9.4749	8.5631
T34	1.1467	9.1160	8.1984
T35	1.1332	8.6523	7.9928
T37	1.1551	9.6273	8.5868
T38	1.1245	11.4444	9.6569
T42	1.1247	7.6988	6.5224
T44	1.1154	9.0608	7.5877
T45	1.1716	8.5513	7.0822
T47	1.1389	9.2238	7.6480
T48	1.1655	10.2532	7.9777

padre associates, inc.
ENGINEERS, GEOLOGISTS & ENVIRONMENTAL SCIENTISTS

REPORT OF FIELD OBSERVATIONS

Job No.:	Date:	M	T	W	T	F	S	S
Client:	Project:							
Location:	Weather:							
Observer:	Observation Period Start: Stop:							

Description: _____

Mileage: _____ miles

Copy Sent to Client: Y N	Continued on Next Page	Page _____ of _____

1861 Knoll Drive ▪ Ventura, California 93003 ▪ 805-644-2220 ▪ Fax 805-644-2050

Gas Flux Data Form

Date: 12/19/19 Name: Maxi

Field Notes: Site ID: ET4

Field Standard	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
10.250	STANDARD	1006				518.12	

5

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
8	A2	10:33	794.7286	3.623		136	
	N1	11:38	1007.533	3.626		216.75	
	Y1	12:39	1000.788	3.620		149.87	

4

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
10	E1	10:37	993.4716	3.620		140.50	
	A3	11:40	702.1280			189	
	S1	12:40	800.2734	3.623		142.62	

3

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
1	H1	10:41	1091.2924	3.616		130.25	
	L2	11:41	1112.3392	3.613		185.50	L2 for CO2 left slightly go (sloppy)
	C2	12:43	953.7234	3.623			
						141.75	

2

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
6	P2	10:42	1188.2654	3.613		141.31	
	Q1	11:43	1211.7044	3.613		296	
	V2	12:45	1176.700	3.613		216.37	

1

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	
9	22	10:52	1171.0650	3.623		124.87	
	O1	11:45	1181.2208	3.616		168.75	
	G3	12:49	1162.5080	3.620		123.37	

CO2 EJW 1/17/19

N_2O stars Performed at #4

Ppm	Area
0	0
0	0
0	0
.1	324.3704
.1	342.4920
.1	320.1636
1	2569.6172
1	2575.5404
1	2558.0198

CO_2

Ppm	
500	133.75
500	136.75
500	136.75
1000.5	253.75
1000.5	254.50
1000.5	254.75
2500	595.75
2500	596.25
2800	589.20

CO_2 E 1/17 JW

4

Gas Flux Data Form

Date: 12/19/19 Name: JW

Field Notes:

Site ID: T3

— M

Field Standard	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
4	Y2	1:36 PM	1004.1588			143.12	
4	I2	2:37	1027.4820			364.0	
4	X1	3:38	1054.5184			460.62	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
2	F3	1:40	1004.6328			127.50	
2	P1	2:40	1037.7838			337	
2	C3	3:40	1072.6940			467.37	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
7	E2	1:43	1015.0896			127.25	
7	W1	2:43	1050.6784			219.25	
7	U2	3:43	1064.3516			309.62	

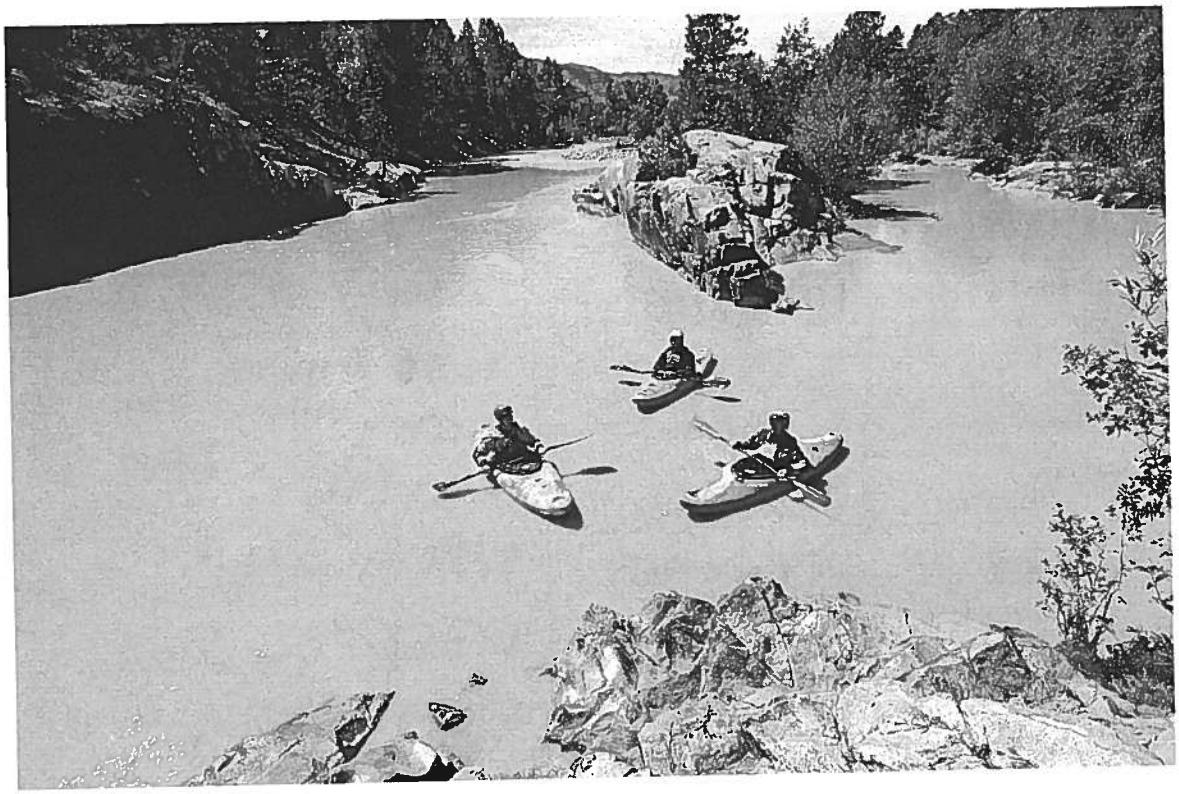
Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
3	T2	1:48	1019.6326			127.25	
3	I1	2:48	1027.8564			239.50	
3	B3	3:48	1128.3420	~~206~~		337.12	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	
5	L1	1:52	1028.4024			126.12	
5	U1	2:52	1091.4342			255.87	
5	E3	3:52	1138.5180			372.37	

ID	Tray Wt.	Tray + Sol	Dry Wt.
C2-4	1.1182	8.1234	6.5769
C2-8	1.0782	7.1244	5.9040
C2-7	1.0560	7.2481	5.8931
C2-2	1.0160	4.2470	3.4790
C2-5	1.0059	8.1099	6.7189
T2-1	1.0618	10.5963	8.5731
T2-6	1.0845	9.4347	7.8837
T2-3	1.0477	8.4175	7.0008
T2-10	1.0986	8.3851	6.8325
T2-9	1.0452	8.4305	6.7570
T1-7	1.0467	14.4114	12.4307
T1-8	1.0744	10.4238	8.8199
T1-4	1.0743	9.5985	8.3701
T1-5	1.0425	8.2979	7.0904
T1-2	1.1041	8.3641	7.2149
C1-6	1.0878	9.6595	8.3979
C1-3	1.0620	10.7157	9.1768
C1-10	1.0410	9.3400	8.1583
C1-9	1.0691	11.6025	10.2653
C1-1	1.1212	11.1036	9.6485

began tracking an unseasonably warm storm coming out of Hawaii and moving east and northeast toward the mainland. Some speculated that the storm's moderate temperature was in part due to global warming and could cause serious flooding in the Northern Rockies, which did in fact take place two days later. Three days after the rains subsided (the day before yesterday), the pond containing cyanide experienced a breech of the dam holding back the highly toxic chemicals. Efforts to contain the 1,000,000+ gallons of chemicals failed yesterday morning and the material began leaking into the slow moving but wide Kootenai River at Troy. Word of the spill hit the wire services last night, after you went to sleep, after a difficult day of mediating a dispute between social service providers seeking a grant from the County in which you live. By the time you wake up and sip your first cup of morning coffee and turn on the TV, the morning news is all over the story.

Reporters spin tales of an international incident speculating a catastrophe greater in magnitude than the Exxon Valdez oil spill. This spill constitutes a potentially significant problem that threatens water supplies, tourism, jobs, fish and wildlife, and public health in the Northwest, and Canada – a disaster that holds the promise of full employment for environmental, tort, and government lawyers for years to come.



Plenty of Blame to Go Around

The media in its typical role is looking for people to blame and obvious negligent actions on the part of all involved. Rumors are flying about the DMG and its unwillingness to enforce its own laws, Blue Mountain's lack of financial capacity, the Forest Service for its leasing practices, the EPA for not being aware of the potential hazards, infighting among the various National Forest Supervisors, implications on US-Canadian relations, and its impact on spawning salmon down river. No one in government is talking, except President Trump and Canada's Prime Minister Justin Trudeau who both cite the situation as a bi-national emergency requiring immediate attention, problem solving and mitigation.

1/27/20

into oven @ 2:06 P.M

ID	Tray Wt.	Tray + Soil	Tray + D soil
C51	1.128	10.6463	8.9985
C56	1.1267	8.0208	6.7548
C58	1.1316	7.7175	6.3766
C510	1.0963	6.8593	5.3627
C62	1.1218	9.1748	7.77246
C63	1.0834	9.1772	7.7604
C64	1.0659	5.7332	4.9523
C65	1.1266	7.1092	6.0384
C67	1.1191	9.2955	8.0295
T52	1.1333	8.4395	6.9663
T53	1.0991	8.5329	6.9023
T54	1.0587	7.5625	5.8052
T55	1.0852	7.0355	5.7067
T57	1.1094	7.3684	6.0236
T61	1.1422	8.9504	7.5975
T66	1.1306	8.6435	7.4123
T68	1.0689	6.5198	5.6456
T69	1.1048	9.3489	8.0318
T610	1.11480	10.48	8.9320
C59	1.1348	7.3889	6.1642

Rangeland Monitoring Network Soil Data Initials _____ Date _____

Point Count ID: _____

GPS Loc: _____ - _____ Datum _____

SITE CHARACTERISTICS

Carbon 0-10cm (%)	Carbon 10-40cm (%)	Clay 10-40cm (%)	Sand 10-40cm (%)	Silt 10-40cm (%)

Location Description: _____

Evidence of recent grazing? (Y/N) _____

Ring infiltrometer Diameter (cm) _____

Water Vol (mL) _____

Bulk Density Diameter (cm) _____

Bulk Density Height (cm) _____

SAMPLE DATA

Sampling Location			Bare Ground	Litter Depth (cm)	Catenal Position	Water Infiltration			Bulk Density				Carbon
Sample No.	Dist.	Deg.				Time1 (hh:mm:ss)	Time2 (hh:mm:ss)	Extrapolate?	Wet Wght (g)	Dry Wght (g)	Rock Wght (g)	Rock Vol (mL)	Max Depth (cm)
						: :	: :		.	.	.		
						: :	: :		.	.	.		
						: :	: :		.	.	.		
						: :	: :		.	.	.		
						: :	: :		.	.	.		
						: :	: :		.	.	.		
						: :	: :		.	.	.		
						: :	: :		.	.	.		
						: :	: :		.	.	.		
						: :	: :		.	.	.		

Equation for extrapolated infiltration time:

$$Extrapolated\ time = \frac{45min * 450ml}{Volume\ infiltrated}$$

Where volume infiltrated = π (7.6cm)^2 * (2.5cm – ht of water remaining)

John Berger ways of seeing

ID	Tray	Tray + W Soil	Tray + D Soil
C31	1.0362	9.1704	7.5505
C38	1.0528	8.8579	7.3289
C36	1.0431	8.7088	7.2680
C39	1.0426	6.3060	5.3092
C310	1.0617	7.600	6.2529
T32	1.0627	8.9494	7.7183
T33	1.0419	12.4020	10.8433
T34	1.0642	9.2672	8.0295
T35	1.0595	10.3336	9.1458
T37	1.0953	9.6513	8.3823
C47	1.0478	7.5929	6.5288
C45	1.0410	6.6109	5.6639
C44	1.0590	7.1226	6.0621
C43	1.0809	6.8866	5.8178
C42	1.0615	6.0916	5.2619
T41	1.1274	7.1091	5.8603
T46	1.0873	10.4523	8.7762
T48	1.0690	8.6959	7.1568
T49	1.0778	7.2090	6.1719
T410	1.1099	10.6940	8.9493

11/21 Soil moisture

105 ↑
CH_4 H_2O

Weight

ID	Vw	wet(g)	dry(g)	Sml	Note
$T_1$1	8.0375g	13.1684	/ 13.0920		
$T_1$6	7.7479g	11.0882	/ 11.0486		
$T_1$8	8.0401g	12.7417	/ 12.6756		
$T_1$9	7.5720g	10.8979	/ 10.8599		
$T_1$10	7.6249g	11.0820	/ 11.0440		Bag Not Sealed (BNS)
$C_1$2	8.2588g	11.8784	/ 11.8269		
$C_1$3	8.0469g	11.9298	/ 11.8837		
$C_1$4	7.8288g	12.5420	/ 12.4744		
$C_1$5	7.5609g	11.7431	/ 11.6927		BNS
$C_1$7	7.9946g	13.0377	/ 12.9663		
Oct 18 $T_2$1	7.9885g	9.1461g	/ 9.1111		
$T_2$3	7.9153g	9.4285g	/ 9.3769		
$T_2$8	8.1117g	9.9989g	/ 9.9506		
$T_2$9	7.7953g	9.4736g	9.4361		
$T_2$10	7.6555g	9.4564	/ 9.4010		
$C_2$2	~~7.6369~~ 29.2536	~~9.2385~~	/ 33.2528		
$C_2$4	7.8260g	9.6340	/ 9.5752		
$C_2$5	22.9179g	27.1819	/ 27.0436		
$C_2$6	27.7031g	32.4481	/ 32.2763		
$C_2$7	30.9153g	38.0723	/ 37.8247		

Gas Flux Data Form

Date: 01/30/2020

Name: Avery Johnson

Field Notes:

Site ID: T3

Field Standard	Syringe ID	Sample Time	N20 Area	N20 ~~Retention~~ time	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 ~~Peak Height~~ (mV) time	Notes
8	K1	1:39	1466.1960	10:03	17.778	18:56	
8	C3	2:39	1520.6530	10:09	23.460	18:57	
8	F3	3:39	1487.0979	10:15	24.719	18:58	
		0.1 ppm	462.6025	10:21			
		0.1	441.8868	10:26			

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
4	U1	1:45	1533.3482	10:32	16.459	18:59	
4	V1	2:45	1499.0382	10:42	52.004	19:00	
4	L2	3:45	1515.2597	10:47	28.689	19:02	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
7	B2	1:49	1501.1867	10:53	15.298	19:04	
7	C1	2:49	1515.6560	10:58	26.783	19:05	
7	Z4	3:49	1519.8000	11:04	33.970	19:08	
				~~11:10~~	28.619	19:09	810 co2
					28.654	19:11	810 co2

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
5	S1	1:54	1515.8587	11:10	15.749	19:12	
5	T2	2:54	1515.5684	11:15	27.476	19:13	
5	T1	3:54	1534.7518	11:21	35.070	19:14	
		0.1 ppm	476.7214	11:27			
		0.1	454.4340	11:33			

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	
2	D2	1:58	1517.7032	11:38	16.339	19:16	
2	A2	2:58	1516.1356	11:44	20.077	19:17	
2	03	3:58	1497.5875	11:50	24.462	19:18	

CO_2	$\mu m/m$
810	27.579
810	27.993
810	28.356
311	11.023
311	11.247
311	11.196
2520	86.759
2520	86.924
2520	88.249

Gas Flux Data Form

Date: 1/30/19 Name: JW

Site ID: C3

Field Notes: windy
64°F. 30.09 in

Field Standard	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
R1	R1	1:33			14.590	19:19	

1 ppm N_2O

Bucket	Syringe ID	Sample Time	N20 Area	N20 ~~Retention~~ time	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
9	C4	1:41	1550.3406	8:27	15.093	19:20	
9	B3	2:41	1591.4476	8:33	29.279	19:21	
9	H2	3:41	1568.0216	8:38	31.394	19:22	
					28.907	19:23	810 ppm
					28.204	19:24	810 ppm

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
1	D3	1:45	1527.7100	8:44	15.389	19:25	
1	A3	2:45	1547.8768	8:50	33.731	19:26	
1	H2	3:45	1547.4043	8:55	32.422	19:27	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
10	A1	1:48	1550.0045	9:01	17.959	19:28	
10	D1	2:48	1458.6182	9:06	40.946	19:28	
10	B5	3:48	1452.1788	9:12	81.506	19:29	
		0.1 ppm	402.0008	9:18			
		0.1 ppm	441.2514	9:24			

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
6	F1	1:52	1499.7013	9:29	16.016	19:31	
6	Q2	2:52	1526.7512	9:35	55.000	19:32	
6	D2	3:52	1482.3954	9:41	79.870	19:34	40.270
					27.822	19:35	810
					28.245	19:36	810

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	
3	L1	1:57	1513.3234	9:46	15.045	19:37	
3	I2	2:57	1506.7237	9:52	17.335	19:38	
3	Q1	3:57	1444.7629	9:58	19.162	19:43	14.820

N_2O Standard	Area		
0	0	07:27	
0	0	7:33	$r^2 = 0.9997$
0	0	7:39	
0.1	725.6408	7:44	⇐ Not including in S.C.
0.1	451.0888	7:50	
0.1	453.8620	7:56	
0.1	474.2654	8:02	
1	4132.5924	8:09	
1	4059.8114	8:15	
1	4166.9868	8:21	

Gas Flux Data Form

Date: 01/30/2020

Name: Avery Johnson

Field Notes:

Site ID: T4

Field Standard	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
2	X1	10:40	1487.3152	11:55	15.652	20:04	
2	U2	11:40	1517.4492	12:01	15.564	20:05	
2	C2	12:41	1520.8896	12:07	14.127	20:06	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
5	B1	10:45	1493.9726	12:14	15.200	20:07	
5	E3	11:45	1507.2860	12:20	14.542	20:08	
5	Z1	12:45	1523.3880	12:26	13.867	20:10	
		0.1 µm	444.2068	12:32	28.577	20:10	810
		0.1	471.4284	12:37	28.560	20:11	810

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
7	V2	10:53	1490.4140	12:43	~~28.579~~	20:12	CO2: 15.252
7	F2	11:53	1486.6372	12:49	14.992	20:13	
7	H1	12:53	1497.4528	12:55	16.114	20:15	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
8	Y2	10:59	1485.7629	13:01	16.449	20:16	
8	Y1	11:59	1491.9232	13:06	13.607	20:17	
8	F4	12:59	1459.7064	13:12	15.183	20:18	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	
4	~~[illegible]~~ J2	12:04	1477.5485	13:18	14.958	20:19	Bucket 4s measurements
4	B4	1:04	1498.4802	13:23	14.352	20:20	

Gas Flux Data Form

Date: 1/14/20 **Name:** Jacob Weverka

Field Notes: Windy, Sunny **Site ID:** T6

Field Standard	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
10005 ppm CO_2	E1	11:26	414.2754		236.37	32.728	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes N_2O
6	A2	11:37	874.7506		99.123	13.581	1536.8950
8	V2	12:37	918.3416	918.3416	125.50	17.227	1539.7902
6	Z2	1:37	1491.1298		170.12	23.431	1491.4496

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes N_2O
9	V1	11:41	938.4458	938.4458	81.500	11.152	1581.7044
9	C3	12:41	965.1762		159.87	22.000	1607.5160
9	C1	1:41	929.7208		149.62	20.573	1555.8080
Stand. 1PPM N_2O		12:25	3738.2208				
Stand 1PPM N_2O		12:34	3741.3226				

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes N_2O
10	C5	11:44	925.1464		118.00	16.187	1553.8396
10	G2	12:44	908.8640		134.50	18.472	1523.2280
10	E2	1:44	1547.7462		149.50	20.554	1547.7462

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
1	A5	11:48	1573.6676		70.250	9.605	
1	Z1	12:48	1504.6092		213.75	29.536	
1	D1	1:48	1510.6578		180.00	24.805	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	
8	N2	11:52	1548.2602		127.12	17.449	
8	K2	12:52	1555.6604		139.25	19.131	
8	S1	1:52	1543.6200		149.87	20.607	

CO_2 units are switched!

I2

After standards

1 ppm	3741.3226
1	3738.2208
0.1	478.9164
0.1	503.0955

Gas Flux Data Form

Date: 11/4/20

Name: Sam Sambado

Site ID: C6

Field Notes:
Sunny + breezy day; no clouds in sight.

Field Standard	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
10000 ppm CO_2	Standard 2	1159	454.4022		235.12	32.547	N_2O 7:40

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
5	U1	11:31	[illegible]	1525.4532	83.750	11.463	
5	T2	12:31	1634.7002		115.75	15.877	
5	A2	1:32	1667.6234		194.37	26.819	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
3	U2	11:38	1672.4956		89.625	12.271	
3	P2	12:38	1718.5942		110.75	15.187	
3	C4	1:38	1637.7380		74.000	10.122	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
7	R2	11:43	1665.3074		101.25	13.875	
7	M2	12:43	1697.9036	91.000 -> [illegible]	[illegible]	12.462	
7	A1	1:43	1601.5592		123.00	16.883	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	Notes
2	J1	11:48	1684.7916		106.75	14.635	
2	E2	12:48	[illegible]	1712.4403	137.75	18.927	
2	B4	1:48	1647.4142		148.62	20.434	

Bucket	Syringe ID	Sample Time	N20 Area	N20 Retention	CO2 Peak Height (µm/m)	CO2 Peak Height (mV)	
4	X1	11:52	1607.4834		99.125	13.582	
4	S2	12:52	1577.8996		133.25	18.302	
4	50000	1:52	1566.8391		66.250	9.058	

Standard curve N_2O 1/15/20 JW

N_2O concentration	Area	
0	0	
0	0	
0	0	
0.1	233.2180	378.8433
0.1	185.4152	322.5038
0.1	267.1772	418.7448
0.1	256.0352	390.4708
0.1	279.1094	454.6564
1	1413.4804	2571.1654
1	1435.1788	2584.1378
1	1699.6364	3046.8400
1	1938.6848	3408.9800
1	1963.1984	3488.8312
1	2030.1774	3519.0646
1	2056.5244	3551.0370
1	2175.2604	3721.9984