

Supplemental Table 1a

Stream / Wetted		N2 fix	C fix	Thy		N2 Fix			C fix			Thy		
Site	Pt	nmol cc h	nmol cc h	pmol cm3 h		nmol cm3 h			nmol cm3 h			pmol cm3 h		
Name	#					average	SE	N	average	SE	N	average	SE	N
MS1 Y1	2	1.353	ND	ND	MS1 Y1	1.90	0.52	6	ND	ND	0	ND	ND	0
MS1 Y1	2	1.008	ND	ND										
MS1 Y1	2	0.237	ND	ND										
MS1 Y1	3	2.235	ND	ND										
MS1 Y1	3	3.755	ND	ND										
MS1 Y1	3	2.822	ND	ND										
MS2Y1	2	0	14.9	5.44	MS2Y1	0.19	0.10	6	14.18	1.70	6	10.37	2.64	3
MS2Y1	2	0	11.6	14.49										
MS2Y1	2	0	11.0	11.18										
MS2 Y1	3	0.208	9.9	ND										
MS2 Y1	3	0.342	20.8	ND										
MS2 Y1	3	0.564	16.8	ND										
MS1 Y2	1	1.261	120.6	0.26	MS1 Y2	1.84	0.43	6	30.14	30.14	4	4.72	2.63	6
MS1 Y2	1	1.361	0	0.00										
MS1 Y2	1	0.243		0.15										
MS1 Y2	2	2.905	0	12.50										
MS1 Y2	2	2.855	0	1.99										
MS1 Y2	2	2.389		13.45										
Adams in Y2	1	2.998	ND	5.15	Adams in Y2	3.65	1.37	3	ND	ND	0	5.29	1.73	3
Adams in Y2	1	1.669	ND	2.38										
Adams in Y2	1	6.287		8.36										
ALL DATA						1.64	0.35	21	20.56	11.35	10	6.28	1.59	12

[illegible]

[illegible]

HV Y2	3	0	4896	ND
HV Y2	3	0	5586	ND

ML2 Y2	1	0.50	ND	ND	ML2 Y2	1.30	0.52	9	ND	ND	0	8.17	2.42	6
ML2 Y2	1	0.62	ND	ND										
ML2 Y2	1	0.59	ND	ND										
ML2 Y2	2	2.86	ND	10.29										
ML2 Y2	2	3.02	ND	11.87										
ML2 Y2	2	4.01	ND	17.23										
ML2 Y2	4	0.08	ND	3.65										
ML2 Y2	4	0.00	ND	2.22										
ML2 Y2	4	0.00	ND	3.77										

ALL DATA	2.42	0.47	66	2121	479	40	12.28	2.11	30
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ML 1 Y2	4	0	ND	ND	ML 1 Y2	0.00	0.00	3	ND	ND	0	ND	ND
ML 1 Y2	4	0	ND	ND									
ML 1 Y2	4	0	ND	ND									
AG out	2	0	ND	0.774	AG out	2.30	1.17	3	ND	ND	0	1.16	0.22
AG out	2	3.10	ND	0.928									
AG out	2	3.81	ND	1.766									
ML2 Y2	4	0.08	ND	3.654	ML2 Y2	0.03	0.03	3	ND	ND	0	3.21	0.50
ML2 Y2	4	0	ND	2.220									
ML2 Y2	4	0	ND	3.769									
ALL DATA						0.28	0.16	30	0.80	0.71	9	2.19	0.41