

Appendix

FILE A2. OTU by sample matrix of the 200 most abundant OTUs with sequence count of each OTU. This file consists of the nonsubsampled data of OTU abundance.

label	Group	numOtus	Otu0002	Otu0003	Otu0004	Otu0005						
	Otu0006	Otu0007	Otu0008	Otu0009	Otu0010	Otu0011						
	Otu0012	Otu0015	Otu0016	Otu0017	Otu0018	Otu0019						
	Otu0020	Otu0021	Otu0022	Otu0023	Otu0024	Otu0025						
	Otu0026	Otu0027	Otu0028	Otu0029	Otu0030	Otu0031						
	Otu0032	Otu0033	Otu0035	Otu0036	Otu0037	Otu0038						
	Otu0039	Otu0040	Otu0041	Otu0042	Otu0043	Otu0044						
	Otu0045	Otu0046	Otu0047	Otu0048	Otu0049	Otu0050						
	Otu0052	Otu0053	Otu0054	Otu0055	Otu0057	Otu0058						
	Otu0059	Otu0060	Otu0061	Otu0062	Otu0063	Otu0065						
	Otu0067	Otu0068	Otu0070	Otu0071	Otu0072	Otu0073						
	Otu0074	Otu0075	Otu0076	Otu0077	Otu0078	Otu0079						
	Otu0080	Otu0081	Otu0082	Otu0083	Otu0086	Otu0087						
	Otu0089	Otu0091	Otu0093	Otu0094	Otu0095	Otu0096						
	Otu0097	Otu0098	Otu0099	Otu0100	Otu0101	Otu0102						
	Otu0103	Otu0104	Otu0105	Otu0106	Otu0107	Otu0108						
	Otu0109	Otu0110	Otu0111	Otu0112	Otu0113	Otu0114						
	Otu0115	Otu0116	Otu0117	Otu0118	Otu0119	Otu0120						
	Otu0121	Otu0122	Otu0123	Otu0124	Otu0125	Otu0126						
	Otu0127	Otu0128	Otu0129	Otu0130	Otu0131	Otu0132						
	Otu0133	Otu0134	Otu0136	Otu0137	Otu0138	Otu0139						
	Otu0140	Otu0141	Otu0142	Otu0143	Otu0144	Otu0145						
	Otu0146	Otu0147	Otu0148	Otu0150	Otu0151	Otu0152						
	Otu0153	Otu0154	Otu0155	Otu0156	Otu0157	Otu0158						
	Otu0159	Otu0160	Otu0161	Otu0163	Otu0164	Otu0165						
	Otu0166	Otu0167	Otu0168	Otu0169	Otu0170	Otu0171						
	Otu0172	Otu0173	Otu0174	Otu0175	Otu0176	Otu0177						
	Otu0178	Otu0179	Otu0180	Otu0181	Otu0182	Otu0183						
	Otu0184	Otu0185	Otu0186	Otu0187	Otu0188	Otu0189						
	Otu0190	Otu0191	Otu0192	Otu0193	Otu0195	Otu0196						
	Otu0197	Otu0198	Otu0199	Otu0200	Otu0201	Otu0202						
	Otu0204	Otu0205	Otu0206	Otu0207	Otu0208	Otu0209						
	Otu0210	Otu0211	Otu0213	Otu0214	Otu0215	Otu0216						
	Otu0217	Otu0218	Otu0219	Otu0220								
0.03	IndianPeaks	12012Alg	200	1380	47	1020	59	1701	1266	183		
	35	34	223	1006	229	241	8	42	52	6	4	31
	250	5	2	4	3	5	135	30	3	3	2	12
	81	1	2	4	4	2	3	3	1	3	77	3
	1	93	1	10	0	2	44	14	1	24	42	1
	21	1	0	0	2	2	5	2	1	0	2	2
	0	2	9	76	35	1	191	1	4	56	1	2
	17	0	0	4	0	1	1	0	9	1	11	1
	1	14	1	15	11	2	20	1	0	9	0	26
	1	1	15	8	0	0	7	7	1	2	77	0
	2	0	0	4	0	16	23	17	0	0	0	0

15	0	3	2	190	0	0	1	0	0	8	0
0	4	0	0	0	0	58	1	0	1	1	0
0	4	1	1	20	0	1	0	0	0	5	0
1	0	33	0	120	0	0	42	0	0	0	2
2	0	0	0	1	1	0	0	0	0	16	0
1	0	2	0	0	0	4	1	0	13	2	1
2											
0.03	IndianPeaks12012Noalg			200	5994	85	2757	113	3667	4882	322
18	38	712	452	719	508	17	162	106	6	6	22
570	4	4	5	0	2	390	25	1	1	2	33
233	1	3	0	2	3	1	5	2	0	231	3
1	322	1	7	3	3	150	3	11	40	56	0
35	6	1	0	1	2	33	0	2	0	0	2
0	2	77	177	347	2	24	4	41	173	1	0
50	1	0	5	3	1	1	0	38	3	55	0
0	24	0	8	5	2	49	0	1	6	1	37
1	1	39	5	1	1	10	10	5	2	162	0
3	0	2	3	1	53	10	60	0	0	0	1
50	0	33	0	4	0	13	1	0	0	52	7
1	23	1	0	1	0	3	1	1	1	1	0
0	4	0	0	4	1	2	0	0	0	9	0
1	0	88	0	3	0	1	12	0	1	0	4
2	1	0	2	1	0	0	0	1	0	20	0
0	0	12	1	0	0	8	0	15	2	0	1
6											
0.03	IndianPeaks22012Alg			200	1003	211	5069	112	928	1659	50
26	28	285	168	859	118	12	17	27	7	7	16
420	6	9	4	2	2	84	92	0	3	1	5
50	2	6	4	0	3	2	4	2	0	52	4
1	93	0	0	4	1	143	3	7	28	13	0
28	1	3	1	2	0	13	0	0	0	551	1
2	3	5	43	4	4	0	1	11	13	0	3
8	1	3	1	1	0	2	0	26	0	24	0
0	7	0	2	3	88	18	1	0	10	2	7
2	2	38	2	0	0	5	5	33	2	0	0
1	0	0	3	0	19	13	18	1	1	0	0
8	0	49	5	0	0	7	1	1	0	10	3
0	4	0	0	0	6	0	0	0	0	6	0
0	7	0	0	33	1	0	0	0	1	5	0
1	0	1	0	0	0	0	0	0	0	98	6
6	0	0	1	0	0	0	0	0	0	3	0
1	1	0	0	0	0	11	2	1	5	0	6
0											
0.03	IndianPeaks22012Noalg			200	2869	52	6731	436	3518	2026	90
17	32	410	352	2135	179	12	42	48	3	6	19
1071	2	19	3	3	2	168	85	1	6	1	24
126	4	1	1	1	2	0	8	3	1	232	4
0	287	2	1	1	3	335	5	19	22	54	0
26	4	2	1	0	0	7	0	0	0	9	1
3	2	6	92	23	2	1	2	5	29	140	0
24	1	0	2	1	1	1	0	58	1	49	2
1	33	2	4	3	1	64	0	0	7	0	31
1	1	64	1	0	0	6	12	7	6	0	1
5	0	0	4	0	66	15	32	0	0	0	1

	46	0	70	0	0	0	116	0	6	0	16	2
	1	14	0	2	0	0	0	0	1	0	2	0
	0	6	0	0	23	0	0	3	0	0	3	0
	0	0	2	0	0	1	1	11	0	0	2	3
	5	0	0	53	0	0	0	0	0	0	11	1
	0	0	4	0	3	0	9	2	6	9	1	7
	54											
0.03	Lyman12011Algae	200		987	58	382	2361	46	101	254	346	
	37	71	77	13	14	7	81	59	3	7	12	4
	204	3	7	3	3	0	11	4	9	4	5	2
	1	70	2	4	1	0	2	0	4	0	12	2
	0	1	0	0	2	2	5	7	22	3	4	13
	7	0	106	1	2	1	1	1	0	1	0	0
	0	0	2	0	1	1	1	1	1	11	0	6
	2	2	4	8	1	50	1	0	0	2	0	2
	5	0	6	5	0	0	5	1	7	0	0	2
	0	0	2	0	0	0	3	6	5	0	0	1
	0	1	1	0	1	1	0	0	1	0	0	1
	0	1	0	1	0	0	1	0	1	0	1	1
	1	1	1	0	0	1	2	1	0	0	11	1
	4	0	0	3	0	0	0	2	0	2	0	0
	0	1	0	0	1	0	1	0	0	1	2	3
	1	0	1	0	1	2	0	0	1	0	1	0
	1	1	0	0	5	0	1	0	0	0	3	0
0.03	Lyman12011Non_Algae	200		3722	84	435	10561	56	331	1080		
	2138	164	1395	96	67	24	12	194	613	7	7	46
	6	207	5	8	1	4	9	66	2	3	71	1
	0	1	498	0	0	4	9	1	4	5	6	1
	1	4	2	1	1	0	6	1	55	18	0	4
	5	5	3	498	0	0	2	0	1	3	1	1
	3	1	0	2	1	0	0	4	1	0	1	0
	1	0	0	1	0	1	68	1	0	1	1	8
	1	1	1	16	7	0	0	9	0	3	0	0
	0	1	1	3	0	1	1	5	11	33	1	2
	2	1	0	15	0	2	0	0	0	1	0	0
	1	0	0	1	0	0	0	0	0	0	0	0
	1	1	0	0	0	0	0	0	0	0	3	38
	0	4	0	3	3	0	0	6	0	0	4	0
	0	0	0	0	0	0	0	0	0	0	0	3
	6	1	0	3	1	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	3	0	0
	0											
0.03	Lyman12012Algae	200		404	1828	407	753	169	885	108	6041	
	598	378	120	22	248	921	36	433	2	8	80	6
	26	221	56	23	787	1	71	1316	26	122	4	2
	238	25	464	1017	561	16	1	0	23	4	87	2
	1	11	1	1	1	0	3	50	14	4	58	36
	7	3	0	1	0	3	363	0	0	0	2	0
	13	1	0	1	0	2	2	0	2	16	46	7
	0	1	0	75	1	6	0	0	0	7	3	0
	1	2	8	39	0	2	55	0	5	0	0	0
	0	0	0	13	0	5	3	13	6	1	16	0
	0	0	0	0	0	0	4	0	10	0	1	0
	0	0	0	0	2	0	0	0	0	0	0	0

	0	0	0	0	3	5	0	2	0	2	4	1
	1	0	16	1	3	0	2	0	36	5	0	1
	0	0	1	0	0	0	0	0	1	1	3	0
	3	0	1	0	0	0	0	0	0	1	2	0
	4	3	0	0	5	1	1	0	0	0	0	0
0.03	Lyman12012	Non_Algae		200	2016	60	587	1664	684	476	2901	
	330	105	836	657	16	374	25	181	376	2	4	29
	80	808	12	5	4	1	15	161	2	18	1318	3
	18	2	98	18	2	3	1	3	1	5	7	1
	2	1	6	0	4	2	6	101	143	27	69	8
	42	3	2	7	1	1	1	0	0	2	0	0
	2	3	4	1	2	0	2	2	1	1	13	1
	42	0	0	3	9	1	12	1	0	0	9	7
	0	8	1	26	58	2	0	0	1	11	0	0
	0	0	1	0	2	1	3	6	19	57	1	0
	2	0	0	18	0	2	5	6	1	8	1	0
	0	1	0	0	1	0	0	0	5	0	1	10
	0	5	0	0	0	7	1	1	21	1	19	55
	0	5	0	43	7	0	0	2	0	0	5	0
	0	20	0	1	1	107	0	0	0	0	0	7
	1	4	0	0	1	2	0	0	0	0	0	0
	0	16	5	1	0	33	0	0	75	6	0	0
	0											
0.03	Lyman22011	Algae		200	136	69	376	785	65	134	161	40
	70	197	449	8	20	9	68	27	4	6	24	11
	90	4	5	3	2	2	12	4	32	2	3	4
	2	75	20	1	1	1	0	3	1	2	26	0
	3	3	2	2	3	2	1	2	23	1	18	2
	4	0	1	0	1	0	1	2	1	2	1	1
	9	1	1	1	1	1	2	1	0	4	0	0
	0	97	0	38	1	11	2	0	0	3	0	0
	3	1	1	10	3	0	3	0	10	0	0	1
	1	0	28	2	0	0	8	0	1	0	0	2
	1	0	1	1	0	0	1	1	0	1	0	0
	0	0	0	0	0	0	0	0	1	0	1	0
	0	0	0	0	3	1	1	2	1	0	0	0
	6	0	0	0	0	0	0	0	0	4	1	2
	0	0	0	1	0	0	0	0	0	0	7	3
	0	1	3	2	1	0	0	0	0	0	0	0
	1	0	0	0	1	0	1	0	0	0	0	0
0.03	Lyman22011	Non_Algae		200	3031	572	347	3830	79	1313	1640	
	204	956	87	341	39	249	16	1146	126	4	6	82
	36	45	3	21	5	3	4	47	6	347	2	4
	6	2	301	183	2	3	23	0	1	5	1	4
	0	3	0	5	16	2	14	3	25	22	1	394
	0	226	2	44	2	0	0	1	6	1	1	0
	0	37	1	1	3	1	1	2	1	1	1	0
	0	1	3	6	37	1	128	1	1	1	1	7
	0	6	0	7	0	0	1	0	0	5	0	15
	1	13	0	9	0	0	0	5	0	54	0	4
	103	0	0	22	1	1	0	0	0	52	0	0
	1	0	0	0	0	0	0	0	58	0	1	13
	0	0	0	2	0	44	3	3	0	0	0	7
	0	6	1	0	0	0	0	0	0	1	3	0

	1	0	2	0	0	0	0	0	0	0	1	3
	5	1	0	16	1	4	0	0	0	0	0	1
	1	0	5	0	0	8	0	0	0	0	0	0
	0											
0.03	Lyman22012Algae		200	935	477	1560	2550	39	305	239	110	
	160	155	390	25	339	29	7	63	3	9	27	18
	356	5	17	3	4	18	47	1	162	1	23	28
	2	12	2	2	5	6	4	1	1	7	12	3
	2	7	3	2	0	2	67	3	17	18	4	65
	2	3	0	6	0	1	0	0	0	3	1	0
	1	2	4	0	8	1	9	0	2	48	0	15
	0	1	2	1	1	1	0	0	0	4	2	1
	1	0	46	3	1	1	0	0	3	0	3	1
	2	4	2	0	0	2	12	2	5	0	0	1
	16	1	3	1	0	6	2	0	6	0	0	0
	1	0	11	1	0	0	1	0	0	0	7	0
	0	0	0	0	0	2	0	8	1	6	0	0
	6	11	2	0	2	0	0	1	1	2	0	0
	1	0	0	0	0	0	0	0	0	0	4	3
	0	0	1	2	0	0	0	1	0	0	0	1
	1	1	0	0	0	1	2	1	2	0	3	0
0.03	Lyman22012Non_Algae		200	3519	7906	1130	2255	60	311	78		
	77	194	762	430	12	307	75	11	160	7	16	53
	25	34	4	100	6	2	72	270	0	431	9	677
	26	5	11	20	2	15	7	4	1	9	9	244
	3	53	1	2	0	1	12	263	50	25	2	1
	258	4	1	1	409	2	2	13	0	2	0	2
	1	4	0	34	26	1	1	15	0	3	201	0
	72	1	0	0	3	0	1	1	0	0	3	0
	0	2	0	32	5	0	3	2	0	11	0	4
	16	2	2	2	0	0	13	5	30	6	0	2
	2	57	0	13	0	2	33	6	0	7	0	0
	0	0	0	0	1	0	0	1	0	0	1	111
	1	0	1	3	0	1	1	0	19	0	1	23
	0	6	63	1	1	2	0	1	0	1	5	1
	0	2	0	0	0	0	0	0	0	0	0	4
	6	1	0	0	0	0	51	0	0	1	0	1
	0	1	19	0	0	16	0	1	3	4	1	0
	1											
0.03	Lyman32011Algae		200	391	1881	322	564	123	826	104	3754	
	641	366	70	24	226	717	33	655	3	5	104	17
	15	139	42	13	392	9	69	494	16	56	4	1
	99	11	244	430	506	18	1	2	18	9	80	1
	1	2	4	1	3	6	6	34	35	5	26	6
	1	2	1	1	1	1	112	0	0	1	1	3
	18	1	0	0	0	0	3	3	28	0	45	2
	0	0	3	106	0	2	2	1	0	2	1	1
	7	1	8	60	3	3	63	0	6	0	1	0
	0	0	4	2	0	13	7	0	6	0	6	0
	0	0	2	0	1	0	0	0	22	1	0	1
	3	0	0	0	0	1	0	7	0	0	7	2
	0	0	3	0	10	4	0	0	0	0	7	0
	0	0	69	0	5	0	10	0	29	3	0	4
	0	1	0	0	1	0	0	1	0	0	6	3

	13	0	3	0	1	0	1	0	0	1	0	0	
	1	0	0	0	4	0	1	1	0	0	0	0	
0.03	Lyman32011	Non_Algae			200	1619	762	258	1592	412	2442	140	
	3429	3178	1025	367	74	573	303	243	121	8	3	123	
	207	3	119	15	953	1108	133	66	100	15	53	3	
	12	4	43	149	5	220	74	5	1	4	4	50	
	1	44	6	4	3	4	5	10	10	19	9	21	
	50	66	1	8	0	0	2	58	1	1	0	3	
	3	10	0	0	3	0	0	3	2	1	1	7	
	10	3	4	1	91	0	64	1	0	0	0	291	
	0	15	1	7	20	1	0	65	0	7	0	8	
	0	0	12	8	216	0	15	13	2	10	0	18	
	2	0	0	40	0	0	0	0	1	41	0	0	
	0	0	0	7	0	0	0	0	3	0	0	0	
	0	0	0	4	0	2	1	0	3	0	17	0	
	0	5	0	12	1	0	0	21	0	34	3	0	
	1	0	0	0	0	0	0	0	0	2	1	7	
	4	2	0	2	0	0	1	1	2	1	2	0	
	0	6	0	0	0	2	1	0	0	0	90	0	
	0												
0.03	Lyman32012	Algae			200	1054	46	482	677	89	89	279	1335
	163	50	31	25	109	7	16	39	4	1232	9	7	
	4	651	4	651	363	17	24	251	3	1	3	3	
	3	24	0	5	3	268	1	1	7	5	11	0	
	3	0	4	3	2	8	30	1	25	2	1	1	
	3	2	1	0	1	1	29	2	0	1	1	0	
	0	3	2	1	0	0	0	1	0	1	0	1	
	0	0	0	1	0	0	0	1	0	0	1	0	
	1	0	10	2	1	2	1	0	5	0	2	6	
	14	0	0	0	0	1	6	1	0	0	0	0	
	1	0	0	1	1	3	0	0	0	0	0	0	
	0	0	6	0	0	0	1	0	0	0	9	0	
	1	1	2	0	0	0	1	0	1	1	0	1	
	2	1	0	1	0	0	0	1	4	3	0	0	
	0	0	0	0	0	0	1	0	0	2	6	2	
	1	0	0	0	13	1	0	0	0	0	0	1	
	0	1	0	0	2	0	0	0	1	0	0	0	
0.03	Lyman32012	Non_Algae			200	4103	8649	1188	3478	56	400	98	
	70	258	1204	320	19	414	55	8	18	4	10	57	
	3	7	0	103	0	5	7	5	1	442	5	1099	
	13	2	10	20	0	33	8	1	6	15	4	161	
	2	0	1	5	2	0	4	210	77	31	1	3	
	80	1	1	2	202	0	0	8	1	1	0	0	
	1	35	1	1	61	1	3	23	0	1	0	0	
	45	0	113	0	2	1	3	1	1	0	29	2	
	0	32	1	26	3	0	1	0	0	5	0	0	
	0	0	0	3	0	0	7	3	0	0	1	0	
	0	38	0	34	0	0	0	0	0	27	0	1	
	0	0	0	0	0	0	1	1	9	0	1	1	
	0	1	0	1	0	9	0	0	33	1	8	0	
	0	6	41	1	0	3	0	1	1	0	7	0	
	3	114	0	1	0	0	0	1	0	1	1	4	
	1	0	0	0	0	0	34	0	0	0	0	2	

	0	0	0	0	0	6	20	0	0	40	0	0
0.03	Lyman42011Algae	200	1170	1269	211	432	142	1001	150	33		
	351	190	46	19	104	298	129	228	11	224	29	76
	68	3	867	2	3	2	97	2	132	1	1	4
	132	4	0	4	1	7	90	135	309	17	3	5
	5	0	1	4	3	9	9	56	14	1	5	1
	9	114	1	12	0	1	7	2	2	0	0	0
	6	0	2	2	1	4	8	1	7	2	0	2
	0	1	0	2	0	2	0	0	1	2	1	1
	1	0	1	2	0	0	2	4	7	0	3	0
	4	0	0	0	1	8	5	0	0	0	13	0
	1	0	4	0	0	2	8	1	0	1	0	1
	0	0	0	0	0	0	0	1	0	1	0	0
	0	0	2	0	4	0	0	1	0	1	4	0
	3	0	0	0	17	0	10	0	7	6	2	0
	0	0	0	0	0	0	0	0	4	1	5	4
	14	0	1	0	0	1	0	1	0	0	2	0
	0	10	0	0	1	0	1	0	1	0	0	0
0.03	Lyman42011Non_Algae	200	7079	742	505	1967	573	2415	1931			
	450	1028	1182	1772	39	201	41	1496	1075	6	399	45
	34	80	5	140	6	7	8	104	2	176	0	2
	2	54	13	11	0	2	7	16	3	62	17	28
	4	1	19	3	1	3	21	30	186	31	1	13
	20	6	6	2	15	2	3	0	1	1	0	0
	4	2	1	0	0	1	2	77	0	2	6	1
	3	0	3	0	1	0	5	1	0	0	3	3
	1	2	0	3	1	1	0	1	0	9	0	10
	0	1	1	3	16	0	5	10	9	27	1	1
	0	0	0	5	0	0	1	0	0	1	0	0
	1	1	1	0	0	0	0	1	0	0	2	2
	1	3	0	8	0	0	3	1	6	0	0	2
	0	6	1	0	0	2	0	33	0	0	4	141
	1	0	0	0	1	0	0	0	0	50	0	6
	3	0	0	1	0	1	0	0	0	2	0	6
	0	4	0	0	1	5	0	0	0	2	3	0
29												
0.03	Lyman42012Algae	200	80	1805	82	63	26	131	174	28		
	41	144	908	9	57	1866	34	47	7	578	12	4
	765	13	299	1	7	11	7	2	123	2	2	9
	2	6	2	3	1	1	330	777	349	9	2	840
	2	2	1	3	2	6	8	0	27	10	14	3
	0	91	2	1	1	1	1	3	1	0	0	384
	13	0	6	0	1	1	5	1	0	1	0	9
	5	1	2	0	1	0	3	1	0	0	1	0
	9	1	2	0	1	0	1	0	3	1	4	0
	15	0	0	1	0	7	6	0	0	0	4	8
	0	0	0	1	5	0	1	0	0	0	0	0
	0	1	0	0	1	0	1	0	1	0	0	0
	0	0	19	0	1	0	1	1	0	1	0	2
	6	1	0	1	23	0	0	0	0	1	0	0
	0	0	0	0	0	0	0	90	1	0	2	2
	2	0	1	0	4	1	0	0	1	0	0	0
	0	5	0	0	0	0	0	0	0	0	0	0

0.03	Lyman42012Non_Algae	200	134	7590	188	315	56	612	229			
	34	267	106	36	24	134	447	173	52	4	1784	55
	20	1403	19	145	10	1	46	78	6	15	1	0
	47	12	3	0	1	5	10	37	116	14	0	15
	145	1	1	2	5	2	5	8	27	22	0	35
	3	0	247	1	3	0	1	2	4	0	0	0
	130	8	12	0	4	1	0	28	1	2	0	0
	20	5	18	0	1	1	1	0	0	0	0	0
	1	1	0	3	0	0	0	0	119	58	0	5
	1	3	11	0	5	0	24	5	5	0	0	166
	7	0	1	2	0	2	1	20	1	1	0	0
	1	0	0	0	0	0	0	0	0	40	0	1
	0	0	0	24	0	0	1	1	2	0	5	0
	0	5	0	0	0	6	0	0	0	1	3	0
	0	0	1	0	2	0	0	0	40	6	1	3
	4	0	0	2	0	0	0	0	0	0	0	1
	0	0	7	0	0	0	1	0	0	0	0	0
	7											
0.03	Lyman52011Algae	200	265	91	506	158	618	57	328	299		
	256	25	299	15	77	13	14	20	4	8	51	4
	6	5	277	3	2	3	12	3	4	2	1	0
	31	71	24	2	1	13	38	2	6	3	78	2
	2	1	87	3	2	19	2	0	25	0	2	3
	21	49	0	2	0	2	0	2	1	1	65	2
	2	0	1	0	1	0	2	0	0	2	0	1
	0	18	1	2	1	1	1	1	0	2	1	1
	1	0	2	0	0	0	1	4	7	0	0	0
	20	0	0	0	1	2	4	0	0	0	0	10
	0	1	1	0	1	0	0	0	0	0	2	1
	0	0	0	0	0	0	0	1	0	0	0	1
	0	0	12	0	5	27	4	0	1	0	1	0
	1	0	0	1	1	1	0	0	16	3	0	1
	0	1	0	4	0	0	0	0	2	0	3	1
	7	0	0	0	44	1	0	0	0	0	59	0
	0	0	1	0	1	0	1	0	0	0	0	0
0.03	Lyman52011Non_Algae	200	1065	1455	1560	2008	278	2502	914			
	148	2006	597	2235	50	749	199	864	299	6	18	3507
	5	11	7	93	3	31	4	156	22	245	5	2
	2	171	46	110	19	25	48	71	1	7	10	197
	2	1	125	60	8	0	31	63	11	29	23	35
	19	106	38	0	0	0	1	1	4	0	1	36
	7	27	1	0	5	1	1	7	0	2	18	5
	0	2	3	2	1	0	9	0	2	2	1	0
	0	0	0	59	38	0	0	0	58	13	0	13
	0	6	32	138	7	0	11	5	0	4	0	5
	0	1	0	12	0	2	0	3	0	28	0	0
	0	0	0	18	0	0	1	1	0	48	0	0
	0	0	0	41	0	1	10	0	7	3	71	1
	1	4	0	0	46	2	1	5	1	1	4	1
	0	0	0	1	0	0	0	0	1	26	0	1
	5	1	0	5	1	3	0	0	0	0	0	1
	0	52	1	1	0	7	0	1	2	0	0	0
	1											

0.03	Lyman52012Algae	200	258	202	79	77	126	86	335	68		
	124	19	145	16	52	175	16	10	2	162	57	7
	7	155	537	28	2	2	7	5	4	1	1	3
	150	41	49	1	2	755	482	232	126	0	3	2
	4	6	604	4	1	10	2	1	30	1	25	1
	35	111	1	2	2	1	4	1	2	1	119	0
	3	2	0	1	2	4	0	1	1	1	1	5
	1	7	0	2	0	1	2	0	0	0	1	0
	1	0	0	2	0	0	0	64	6	0	1	0
	23	1	12	0	1	0	8	1	0	2	0	44
	0	0	0	1	0	0	0	0	1	0	1	0
	1	0	3	0	1	1	1	69	5	0	1	0
	0	0	35	1	0	0	2	4	0	1	0	0
	9	0	0	0	60	0	1	0	2	4	1	1
	0	0	0	1	0	0	0	1	28	1	3	3
	6	1	2	1	20	0	0	0	0	0	26	0
	1	0	1	0	0	0	0	0	0	0	0	0
0.03	Lyman52012Non_Algae	200	316	7173	151	1010	295	1304	393			
	172	4566	128	903	51	254	692	223	291	7	898	1036
	78	4	504	255	1069	3	22	471	2	23	0	2
	8	735	14	6	7	57	84	34	22	22	33	38
	15	11	3	86	3	5	22	14	42	25	34	17
	16	217	31	1	2	0	8	7	1	0	0	322
	10	59	2	1	3	0	2	44	0	0	1	1
	13	3	2	1	1	0	3	1	0	0	14	3
	1	4	0	1	24	1	1	0	39	6	0	20
	0	13	48	38	1	1	43	6	76	3	0	1
	11	0	0	0	0	1	4	6	1	4	1	0
	1	0	2	0	0	0	0	0	4	2	0	9
	3	1	0	13	1	15	0	0	35	0	1	5
	1	4	0	1	0	3	0	3	0	0	7	0
	5	0	0	0	0	0	1	54	0	7	0	5
	5	0	0	3	0	0	2	1	0	0	1	3
	1	2	0	0	0	0	0	3	0	1	0	1
	1											
0.03	Lyman62011Algae	200	150	475	153	129	42	129	213	228		
	176	298	54	10	62	145	70	202	5	9	28	3
	35	8	11	3	2	9	84	8	26	0	2	4
	4	41	148	3	7	2	27	0	230	55	5	0
	3	27	1	1	1	0	1	4	22	8	13	33
	23	0	0	0	1	2	0	0	1	1	2	0
	3	0	1	1	90	0	6	2	3	0	0	2
	0	25	1	5	1	1	0	1	1	3	0	0
	0	1	5	3	0	0	3	2	3	0	2	0
	117	0	3	3	0	12	4	8	13	0	0	25
	0	0	10	3	0	0	3	0	1	0	2	0
	0	0	1	0	1	0	0	0	41	0	0	1
	0	0	2	0	1	31	1	4	1	1	2	0
	2	0	1	0	0	1	4	0	4	5	0	0
	0	0	0	3	0	0	0	0	0	0	4	5
	28	0	1	0	8	0	0	0	0	1	3	0
	20	0	1	0	3	0	1	0	0	0	0	0
	1											
0.03	Lyman62011Non_Algae	200	124	74	80	149	48	42	76			
	64	84	21	39	8	23	30	70	6	8	6	12

	5	20	4	21	1	1	4	3	38	5	1	3
	4	3	8	8	2	9	2	2	4	9	1	5
	1	1	2	2	856	903	0	4	3	32	2	4
	0	6	1	5	6	659	1	1	562	578	0	3
	5	172	0	0	1	1	0	1	1	1	0	1
	0	419	89	378	0	382	0	355	0	359	2	1
	338	8	318	1	1	1	1	1	0	9	287	0
	0	5	2	0	0	0	0	15	0	3	0	0
	0	0	226	0	209	1	0	1	209	0	0	200
	1	195	2	0	0	195	0	183	13	0	0	0
	169	0	173	0	169	16	1	129	0	155	7	0
	150	4	0	2	2	0	144	1	1	0	6	0
	122	0	0	136	0	0	131	0	1	0	0	1
	3	0	124	0	103	0	9	117	116	114	0	2
	107	0	0	103	0	4	0	79	0	0	0	0
	0											
0.03	Lyman62012Algae		200	72	52	94	70	41	36	123	78	
	25	16	188	10	9	6	14	16	4	59	1	10
	40	9	9	4	1	5	6	2	1	72	2	2
	3	19	9	3	0	1	135	1	5	4	19	1
	0	0	3	2	1	8	3	2	22	3	1	0
	0	0	1	0	0	0	1	0	1	1	0	0
	6	2	0	2	181	242	1	1	0	1	27	1
	1	2	2	1	0	0	0	0	0	0	2	1
	2	0	3	0	0	0	13	0	3	1	0	4
	5	0	0	0	0	0	8	1	0	1	0	0
	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	2	0	0	0	0	1	41	0	0	0
	0	1	1	0	2	2	1	3	0	3	0	0
	3	0	0	2	0	0	0	1	4	2	0	0
	0	0	0	0	0	0	0	0	0	0	4	5
	31	0	13	0	3	0	1	1	0	0	0	1
	0	0	1	0	0	0	1	0	0	0	0	0
0.03	Lyman62012Non_Algae			200	154	217	62	358	156	1547	689	
	94	222	184	317	15	103	29	706	422	7	130	36
	36	176	19	31	4	2	230	216	3	4	282	3
	30	2	127	76	0	2	15	62	2	14	45	12
	2	8	5	25	3	1	2	1	8	24	383	106
	23	5	1	1	0	0	0	0	2	0	2	4
	0	10	0	8	1	231	37	228	1	2	1	310
	12	0	4	3	5	0	0	0	1	0	0	6
	0	17	1	2	0	0	24	4	4	6	0	23
	243	7	0	1	0	0	54	5	8	0	0	0
	1	113	1	0	1	0	8	12	0	0	1	0
	0	0	0	1	0	1	0	0	2	7	0	0
	0	0	1	0	0	3	0	0	9	0	0	0
	0	1	33	0	4	14	0	45	0	0	4	0
	0	0	0	0	0	0	0	0	0	0	0	3
	5	5	0	1	7	7	18	2	0	0	0	0
	0	0	0	0	1	1	0	2	0	0	0	0
	0											
0.03	Niwot12011Algae		200	406	43	2495	34	3032	378	1400	33	
	27	240	62	143	104	7	4	45	4	7	14	50
	0	142	5	4	3	42	6	1	2	1	5	134

	1	7	1	1	1	2	0	2	3	28	5	1	
	38	1	5	3	0	5	1	14	22	15	0	3	
	4	1	3	1	0	15	0	1	0	1	0	1	
	1	41	24	4	0	1	2	29	46	0	0	5	
	0	9	3	0	0	1	0	156	0	4	1	1	
	34	1	2	0	77	11	1	1	16	1	4	0	
	0	0	1	0	2	0	8	9	2	4	0	0	
	1	0	5	1	21	26	7	0	0	0	2	49	
	0	21	33	0	0	1	1	0	0	26	0	0	
	0	0	1	0	2	1	0	1	0	0	0	1	
	5	0	0	0	1	1	1	5	0	3	0	0	
	1	4	0	0	0	1	8	0	0	3	1	5	
	1	0	0	0	1	0	0	0	0	4	1	0	
	0	0	0	0	0	16	0	1	3	0	19	1	
0.03	Niwot12011Non_Algae				200	560	67	3627	84	3968	729	2916	
	40	32	1015	57	477	99	12	7	54	5478	5	29	
	1184	2	388	5	2	3	24	95	1	1	0	2	
	270	2	7	2	2	0	2	3	1	5	89	0	
	2	33	1	5	16	2	40	3	14	46	0	3	
	19	4	2	3	0	2	3	0	7	3	3	1	
	2	94	318	7	15	0	3	2	51	84	1	0	
	19	1	12	2	1	1	3	1	28	0	3	2	
	0	40	1	0	1	91	26	60	2	16	2	10	
	0	11	1	0	0	246	2	24	9	1	2	0	
	2	2	0	2	2	20	47	0	2	1	0	0	
	16	4	7	98	0	2	0	1	3	0	40	0	
	1	10	0	0	0	31	1	16	0	0	0	0	
	0	6	0	1	0	0	0	1	123	1	9	0	
	1	1	5	0	2	0	0	0	0	1	0	10	
	5	2	2	8	1	4	0	0	0	0	7	0	
	0	0	28	0	0	1	11	1	0	11	5	58	
	0												
0.03	Niwot22011Algae				200	819	81	2133	61	3615	162	1029	36
	28	144	105	418	484	10	10	50	16	9	22	262	
	6	475	8	5	6	849	11	3	4	1	13	188	
	5	4	1	4	2	0	4	0	3	81	2	1	
	4	520	6	2	2	1	3	4	43	28	2	5	
	3	7	0	2	0	139	0	2	0	2	2	0	
	12	3	16	2	0	0	4	95	23	0	0	11	
	0	5	0	0	3	1	1	23	0	118	0	0	
	28	2	1	0	19	34	1	1	7	0	11	0	
	0	0	2	1	0	1	14	1	0	0	0	0	
	0	0	2	0	1	8	1	0	1	54	1	5	
	1	6	7	0	1	41	0	0	0	9	0	1	
	8	0	0	2	3	1	0	0	0	2	0	1	
	13	0	1	0	0	0	1	3	0	9	0	1	
	0	0	0	2	14	0	1	0	0	7	2	9	
	1	0	1	0	0	0	1	1	0	45	0	1	
	0	4	0	101	0	3	2	0	0	0	1	1	
0.03	Niwot22011Non_Algae				200	2721	95	5282	78	6903	538	2317	
	41	37	321	55	1566	84	10	15	44	15	10	12	
	424	6	960	11	6	5	184	13	5	0	1	50	
	541	5	4	2	3	2	4	4	5	3	135	1	
	1	25	241	11	9	4	2	1	3	31	36	0	

0	4	4	1	3	0	393	3	1	0	1	0
2	3	62	60	12	1	2	2	223	0	1	0
34	1	3	2	0	3	2	0	13	0	3	2
0	32	4	1	0	10	46	6	0	16	0	50
0	0	9	0	0	1	4	18	0	2	0	2
1	0	0	22	4	1	12	7	1	1	150	1
8	1	7	6	0	0	18	0	1	0	19	0
0	103	2	0	0	1	1	0	1	0	1	0
0	11	0	0	0	2	1	0	4	1	9	0
0	1	2	1	0	12	2	1	0	2	12	10
12	1	1	1	1	0	1	0	0	0	2	1
0	1	1	0	0	0	19	1	0	0	0	2
0											