

Plot MetaData						
Plot ID	EASTING	NORTHING	BSC_MU	BSC_MU Code	Geomorphic_MU	Geo_Code
11.A	706061	4023406	S.2	11	Qai2	6
11.B	706290	4022769	S.2	11	Qai3	5
11.C	706520	4023475	S.2	11	Qai2	6
12.D	706776	4023353	ML.2	12	Qay1	4
12.E	706821	4023234	ML.2	12	Qay1	4
12.F	706338	4023925	ML.2	12	Qay2	3
12.G	706038	4024780	ML.2	12	Qay2	3
11.H	706405	4024274	ML.2	12	Qay1	4
10s.I	706468	4022686	S.1	10	Qao2	8
9.J	705918	4025256	ML.1	9	Qay2	3
6.K	706057	4024936	CB.1	6	Qea	80
13s.L	706264	4022502	S.3	13	Qao1	9
13s.N	706272	4022706	S.3	13	Qao1	9
7.O	705728	4024071	CB.2	7	Qea	80
7.P	705755	4024319	CB.2	7	Qea	80
8.Q	706558	4024182	CB.3	8	Qay3	2
5.R	706520	4023093	ML.3	5	Qao1	9
10w.S	706339	4024886	S.1	10	Qea	80
10s.T	706294	4022964	S.1	10	Qay1	4
10s.U	706204	4023777	S.1	10	Qai1	7
10e.V	706065	4023880	S.1	10	Qai1	7
6.W	706277	4023140	CB.1	6	Qea	80
5.X	706113	4024954	ML.3	5	Qea	80
1.Y	706332	4025229	S.4	1	Qea	80
6.Z	705834	4024704	CB.1	6	Qea	80
9.AA	706960	4023279	ML.1	9	Qay1	4
9.BB	706710	4023705	ML.1	9	Qay2	3
7.CC	706745	4023681	CB.2	7	Qea	80
1.DD	706875	4022856	S.4	1	Qc	70
1.EE	706916	4022969	S.4	1	Qc	70
13e.FF	706289	4022687	S.1	10	Qao1	9
13w.GG	706253	4022645	S.1	10	Qao1	9
5.II	706306	4024501	ML.3	5	Qai1	7
8.KK	705960	4025342	CB.3	8	Qay3	2
8.LL	706137	4023030	CB.3	8	Qay3	2
13s.NN	706276	4022680	S.3	13	Qao1	9

		Insolation by Season		
Correlated Soil	Soil_Code	Summer Insolation	Equinox Insolation	Winter Insolation
Irongold	5	6409.94	3890.66	1217.43
Irongold	5	6455.35	3937.91	1262.35
Irongold	5	6441.68	3930.43	1252.37
Arizo	1	6438.07	3927.11	1240.27
Arizo	1	6407.32	3833.03	1174.04
Arizo	1	6451.84	4007.67	1316.35
Arizo	1	6405.71	3999.00	1324.43
Arizo	1	6416.25	3911.88	1249.14
Ferrogold	4	6474.34	4189.98	1465.38
Arizo	1	6413.38	3979.80	1304.87
Bluepoint	2	6409.13	3928.01	1265.56
shallow Typic Petrocalcic	6	6458.54	3941.52	1263.78
shallow Typic Petrocalcic	6	6445.60	3908.61	1240.90
Bluepoint	2	6421.57	3917.10	1251.57
Bluepoint	2	6413.35	3912.33	1249.22
Entisol_2phase	3	6439.94	4026.44	1334.20
shallow Typic Petrocalcic	6	6428.27	4160.29	1452.50
Bluepoint	2	6409.51	4102.38	1408.54
Arizo	1	6450.52	3933.03	1260.54
Irongold	5	6461.06	4038.57	1339.59
Irongold	5	6397.90	3830.95	1188.08
Bluepoint	2	6449.60	3933.69	1259.96
Bluepoint	2	6433.31	4014.61	1329.70
Bluepoint	2	6141.93	4211.25	1587.26
Bluepoint	2	6424.11	3962.33	1288.98
Arizo	1	6416.37	3876.89	1173.95
Arizo	1	6433.30	3923.81	1252.80
Bluepoint	2	6432.29	3922.85	1251.80
Colluvium	70	6066.18	3182.63	788.16
Colluvium	70	5954.37	3710.95	1227.23
shallow Typic Petrocalcic	6	6424.69	3847.82	1197.46
shallow Typic Petrocalcic	6	6470.18	3996.72	1305.88
Irongold	5	6448.47	4122.74	1413.93
Entisol_2phase	3	6393.25	3918.29	1260.41
Entisol_2phase	3	6485.89	4220.75	1484.23
shallow Typic Petrocalcic	6	6433.08	3877.22	1219.01

Group Codes for ANOVA and t-tests

Interspace_Cover	IN_Cover_Code	Geomorph Group	Geo Group_Code	Interspace_Bromus
		Qai	5	High Bromus
		Qai	5	High Bromus
		Qai	5	High Bromus
Moss-Lichen	2	Qay1-Qay2	1	High Bromus
Moss-Lichen	2	Qay1-Qay2	1	High Bromus
Moss-Lichen	2	Qay1-Qay2	1	High Bromus
Moss-Lichen	2	Qay1-Qay2	1	
Moss-Lichen	2	Qay1-Qay2	1	
Rock	3			Low Bromus
Moss-Lichen	2	Qay1-Qay2	1	
Cyanobacteria-Bare	1	Qea	2	Low Bromus
Rock	3			
Rock	3	QTa-Qao2	6	
Cyanobacteria-Bare	1	Qea	2	Low Bromus
Cyanobacteria-Bare	1	Qea	2	Low Bromus
Cyanobacteria-Bare	1			Low Bromus
Moss-Lichen	2	QTa-Qao2	6	Low Bromus
Rock	3	Qea	2	High Bromus
		Qay1-Qay2	1	High Bromus
Rock	3	Qai	5	Low Bromus
Rock	3	Qai	5	
Cyanobacteria-Bare	1	Qea	2	
Moss-Lichen	2	Qea	2	High Bromus
Rock	3	Qea	2	Low Bromus
Cyanobacteria-Bare	1	Qea	2	
Moss-Lichen	2	Qay1-Qay2	1	
Moss-Lichen	2	Qay1-Qay2	1	
Cyanobacteria-Bare	1	Qea	2	Low Bromus
Rock	3			
Rock	3			
Rock	3	QTa-Qao2	6	
Rock	3	QTa-Qao2	6	Low Bromus
Moss-Lichen	2	Qai	5	Low Bromus
Cyanobacteria-Bare	1			Low Bromus
Rock	3			Low Bromus
Rock	3	QTa-Qao2	6	Low Bromus

	TOTAL CANOPY Cover by Species (%)						
IN_Bromus_Code	Total Canopy Cover %	Coleogyne	Pleuraphis	Hymenoclea	Cholla	Larrea	
2	43.56	11.30	0.00	0.00	0.00	0.00	0.00
2	31.75	3.18	0.00	0.00	0.00	0.00	0.00
2	47.13	3.30	0.00	0.00	0.00	0.00	7.24
2	41.02	0.00	0.00	0.00	0.00	0.00	7.87
2	35.43	0.00	0.00	0.00	0.00	0.00	3.30
2	16.00	0.00	0.00	0.00	0.00	0.00	0.00
	10.83	0.00	1.25	0.00	0.00	0.00	4.17
	27.92	0.00	0.00	0.00	0.00	0.00	10.83
1	22.29	12.08	0.00	0.00	0.00	0.00	0.00
	21.67	0.00	0.00	1.67	0.00	0.00	10.42
1	35.83	0.00	11.67	0.00	0.00	0.00	7.92
	10.83	0.83	0.00	2.08	0.00	0.00	0.00
	20.71	3.75	0.00	0.00	0.00	0.00	0.00
1	27.08	0.00	0.00	0.00	0.00	0.00	13.33
1	28.33	0.00	3.75	0.00	0.00	0.00	4.17
1	19.17	7.08	0.83	3.75	0.00	0.00	0.00
1	17.08	7.92	0.00	5.00	0.00	0.00	0.00
2	31.88	0.00	0.00	0.00	0.00	0.00	4.17
2	22.88	0.00	0.00	2.17	0.00	0.00	0.00
1	23.75	5.00	0.00	0.00	0.00	0.00	0.00
	23.75	7.08	0.00	0.00	0.00	0.00	3.33
	34.38	5.83	0.00	2.92	0.00	0.00	0.00
2	10.83	0.00	2.08	1.25	0.00	0.00	0.00
1	32.29	0.00	0.00	0.00	0.00	0.00	5.42
	31.67	0.00	8.75	0.00	0.00	0.00	8.33
	40.83	0.00	1.25	0.00	0.00	0.00	0.00
	23.33	0.00	0.00	0.00	0.00	0.00	2.92
1	32.50	0.00	0.00	0.00	0.00	0.00	12.50
	22.50	13.75	0.00	0.00	0.00	0.00	0.00
	7.50	0.00	0.00	0.83	0.00	0.00	0.00
	24.58	0.00	0.00	0.00	0.00	0.00	0.00
1	10.21	0.00	0.00	0.00	0.00	0.00	0.00
1	12.08	2.50	0.00	0.00	0.00	0.00	0.00
1	34.17	4.58	0.00	12.08	0.00	0.00	0.00
1	33.33	0.00	0.00	12.50	0.00	0.00	0.00
1	30.42	12.50	0.00	4.58	0.00	0.00	0.00

Prunus f.	Lycium a.	Dead Shrub	Psorothamnus	Sphaeralcea	Menodora	Ephedra n.	Krameria
2.92	0.00	18.03	0.00	0.00	5.84	0.63	0.00
3.68	0.00	4.83	9.14	0.00	2.29	4.70	0.00
0.00	0.00	3.81	3.81	0.00	1.52	7.49	0.00
0.00	0.00	18.03	0.00	0.00	2.03	7.62	4.57
0.00	0.00	14.61	0.00	0.00	1.78	8.13	0.00
0.76	0.00	2.41	0.00	0.00	0.00	3.30	0.89
0.00	0.00	0.00	0.00	0.00	2.08	3.33	0.00
0.00	0.00	9.58	0.00	0.00	8.75	0.00	0.00
0.00	0.00	4.79	0.00	0.00	0.00	0.00	0.00
0.00	0.00	6.67	0.00	0.00	0.00	5.00	0.00
0.00	1.25	0.00	0.00	0.00	6.25	0.00	0.00
0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00
0.00	0.00	2.92	0.00	0.00	0.00	4.88	0.00
0.00	2.50	11.67	0.00	0.00	0.00	4.58	0.00
0.00	0.00	11.67	0.00	0.00	2.92	3.33	0.00
0.00	0.00	5.42	0.00	0.00	1.67	0.00	0.00
0.00	0.00	4.17	0.00	0.00	0.00	0.00	0.00
0.00	0.00	13.54	0.00	0.00	0.00	7.92	0.00
0.00	0.00	5.58	0.00	0.00	0.92	8.92	1.29
0.00	5.42	7.50	0.00	0.00	0.00	2.92	0.00
0.00	0.00	7.50	0.00	0.00	0.00	2.92	0.00
0.00	0.00	15.42	4.58	0.00	3.13	1.67	0.83
0.00	0.00	2.92	0.00	0.00	2.08	2.08	0.00
0.00	0.00	2.50	0.00	0.00	0.00	0.83	0.00
0.00	0.00	15.42	0.00	0.00	0.00	4.17	0.00
0.00	0.00	5.42	0.00	0.00	0.00	0.00	0.00
0.00	0.00	15.00	0.00	0.00	0.00	5.42	0.00
0.00	0.00	11.25	0.00	0.00	7.92	7.08	0.00
0.00	0.00	4.17	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	4.17	0.00
0.00	0.00	1.67	8.33	0.00	0.00	0.00	1.46
0.00	0.00	2.92	0.00	0.00	0.00	3.75	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00
0.00	0.00	0.00	11.67	0.00	9.58	6.25	0.00
2.50	0.00	7.50	7.08	0.00	0.83	0.00	2.92
0.00	0.00	5.42	0.00	0.00	7.92	1.25	0.00



UNDER CANOPY POINT COUNTS_Percentage of Total						
Cyanobacteria_UC	Moss_UC	Collema_UC	Placidium_UC	Psora_UC	Peltula_UC	
35.29	1.31	3.27	1.96	0.00	0.00	
34.00	4.00	8.00	1.33	0.00	0.00	
44.37	3.31	2.65	1.32	0.00	0.00	
17.33	3.33	1.33	1.33	0.00	0.00	
4.61	3.29	0.66	3.95	0.00	0.00	
22.67	0.67	7.33	2.00	0.00	0.00	
1.33	2.67	3.33	0.67	0.00	0.00	
7.33	6.67	3.33	0.00	0.00	0.00	
13.33	0.67	0.67	1.33	0.00	0.00	
40.67	10.00	9.33	6.00	0.00	0.00	
37.33	0.67	1.33	0.00	0.00	0.00	
21.50	3.00	1.50	1.00	0.00	0.00	
18.50	1.50	1.00	1.50	0.00	0.00	
31.13	5.96	0.66	0.00	0.00	0.00	
33.33	8.67	0.00	0.00	0.00	0.00	
28.00	0.00	2.67	0.00	0.00	0.00	
8.67	15.33	10.00	1.33	0.00	0.00	
10.00	0.00	0.00	0.00	0.00	0.00	
3.00	1.50	8.00	0.50	0.00	0.00	
28.67	0.00	2.67	2.67	0.00	0.00	
5.30	1.32	1.32	2.65	0.00	0.66	
27.33	6.00	0.67	0.67	0.00	0.00	
20.00	0.00	2.67	0.00	0.00	0.00	
15.89	0.00	0.00	0.00	0.00	0.00	
30.00	2.00	0.00	0.00	0.00	0.00	
10.67	3.33	6.67	0.00	0.00	0.00	
24.67	3.33	0.67	1.33	0.00	0.00	
20.00	4.67	0.00	0.00	0.00	0.00	
0.67	5.33	1.33	1.33	0.67	0.00	
4.00	0.67	3.33	2.00	0.00	0.00	
12.50	2.00	8.00	2.50	0.00	0.00	
12.00	0.50	5.00	2.00	0.50	0.00	
22.07	2.76	1.38	0.00	0.00	0.00	
20.67	12.67	0.00	0.00	0.00	0.00	
4.67	1.33	0.00	0.00	0.00	0.00	
16.55	6.90	0.69	2.76	0.00	0.00	

Moss-Lichen_UC	Total BSC_UC	Limestone_UC	Sandstone_UC	Petrocalcic_UC	Total Rock_UC
6.54	41.83	16.99	0.00	0.00	16.99
13.33	47.33	10.00	0.00	0.00	10.00
7.28	51.66	13.25	0.66	0.00	13.91
6.00	23.33	2.67	0.00	0.00	2.67
7.89	12.50	2.63	0.00	0.00	2.63
10.00	32.67	6.67	0.00	0.00	6.67
6.67	8.00	12.00	0.00	0.00	12.00
10.00	17.33	4.00	0.00	0.00	4.00
2.67	16.00	16.67	0.00	6.00	22.67
25.33	66.00	5.33	0.00	0.00	5.33
2.00	39.33	0.67	0.00	3.33	4.00
5.50	27.00	37.00	0.00	1.00	38.00
4.00	22.50	14.50	0.00	0.00	14.50
6.62	37.75	5.96	0.00	0.00	5.96
8.67	42.00	2.00	0.00	0.00	2.00
2.67	30.67	4.00	0.00	0.00	4.00
26.67	35.33	20.67	0.00	0.00	20.67
0.00	10.00	16.00	0.00	0.00	16.00
10.00	13.00	15.00	0.00	0.00	15.00
5.33	34.00	3.33	0.00	14.00	17.33
5.96	11.26	3.97	0.00	11.26	15.23
7.33	34.67	3.33	0.00	0.00	3.33
2.67	22.67	16.00	2.00	0.00	18.00
0.00	15.89	31.13	0.00	0.00	31.13
2.00	32.00	0.00	0.00	0.00	0.00
10.00	20.67	2.67	0.00	0.00	2.67
5.33	30.00	3.33	0.00	0.00	3.33
4.67	24.67	0.00	0.00	0.00	0.00
8.67	9.33	12.00	0.00	2.00	14.00
6.00	10.00	32.00	0.00	5.33	37.33
12.50	25.00	21.00	0.00	1.00	22.00
8.00	20.00	23.50	0.00	0.00	23.50
4.14	26.21	2.76	0.69	2.07	5.52
12.67	33.33	12.67	0.67	0.00	13.33
1.33	6.00	37.33	0.00	0.00	37.33
10.34	26.90	17.93	0.00	3.45	21.38



					INTERSPACE POINT COUNTS		
Bare_UC	Cyano-Bare_UC	Litter_UC	<i>Bromus</i> _UC	Max. Pinnacle Ht.	Cyanobacteria_IN	Moss_IN	
9.15	44.44	16.99	15.03	2	27.33	0.67	
0.67	34.67	26.67	15.33	2	34.00	0.00	
0.66	45.03	11.92	21.85	2	20.75	1.89	
2.00	19.33	11.33	60.67	3.5	5.16	2.58	
0.00	4.61	13.16	71.71	3.5	2.08	9.03	
0.00	22.67	12.00	48.67	3.5	0.00	3.31	
0.67	2.00	16.00	63.33	5	12.00	17.33	
0.00	7.33	22.00	56.67	5	12.67	9.33	
0.00	13.33	37.33	24.00	2	15.33	2.67	
1.33	42.00	21.33	6.00	6	28.67	11.33	
5.33	42.67	16.67	34.67	3	50.67	0.00	
0.00	21.50	20.00	15.00	1	11.50	0.00	
0.00	18.50	29.00	34.00	2	14.50	2.50	
0.66	31.79	20.53	35.10	2	42.67	2.00	
0.00	33.33	14.67	41.33	3	48.00	0.00	
21.33	49.33	26.67	17.33	1	27.33	0.67	
6.00	14.67	23.33	14.67	2	8.67	4.00	
0.00	10.00	26.00	48.00	2	9.33	0.00	
5.50	8.50	21.50	45.00	5	5.00	0.50	
0.00	28.67	8.67	40.00	3	20.67	2.00	
0.00	5.30	25.17	48.34	3	6.67	5.33	
15.33	42.67	23.33	23.33	1	24.67	0.00	
2.67	22.67	13.33	43.33	3	13.33	14.67	
0.00	15.89	33.11	19.87	2	6.71	0.67	
0.00	30.00	19.33	48.67	1	54.00	0.00	
0.00	10.67	19.33	57.33	5	23.33	6.67	
0.67	25.33	18.00	48.00	5	22.67	6.67	
3.33	23.33	17.33	54.67	1	51.33	0.00	
0.67	1.33	20.00	56.00	3	4.00	3.33	
0.00	4.00	9.33	43.33	2	4.67	0.67	
0.00	12.50	22.00	31.00	2	20.40	0.50	
0.00	12.00	29.00	27.50	2.5	11.00	0.50	
0.00	22.07	17.93	50.34	5	15.33	19.33	
19.33	40.00	26.67	7.33	1	8.67	8.67	
1.33	6.00	26.67	28.67	1	3.33	7.33	
0.00	16.55	24.14	27.59	2.5	4.70	0.00	

Percentage						
<i>Collema</i> _IN	<i>Placidium</i> _IN	<i>Psora</i> _IN	<i>Peltula</i> _IN	Moss-Lichen_IN	Total_BSC_IN	Limestone_IN
11.33	2.00	0.00	0.00	14.00	41.33	40.67
6.67	1.33	0.00	0.67	8.67	42.67	36.00
18.24	4.40	0.00	0.00	24.53	45.28	31.45
30.32	4.52	0.65	0.00	38.06	43.23	21.94
19.44	2.08	1.39	0.00	31.94	34.03	32.64
39.74	5.30	0.00	0.00	48.34	48.34	19.87
25.33	7.33	0.00	0.00	50.00	62.00	29.33
21.33	10.00	0.00	1.33	42.00	54.67	21.33
10.00	4.67	0.00	0.00	17.33	32.67	49.33
40.00	8.00	0.00	0.00	59.33	88.00	3.33
1.33	0.00	0.00	0.00	1.33	52.00	10.67
2.50	4.50	0.00	0.00	7.00	18.50	68.50
11.50	5.50	1.00	0.00	20.50	35.00	52.50
8.00	4.00	0.00	0.00	14.00	56.67	28.67
6.67	5.33	0.00	0.67	12.67	60.67	22.00
1.33	0.00	0.00	0.00	2.00	29.33	16.67
48.00	2.00	0.00	0.00	54.00	62.67	25.33
2.00	0.67	0.00	0.00	2.67	12.00	63.33
13.50	2.00	0.00	0.50	16.50	21.50	38.00
8.67	10.67	0.00	0.67	22.00	42.67	10.00
12.00	6.00	0.00	0.67	24.00	30.67	13.33
3.33	0.00	0.00	0.00	3.33	28.00	38.00
36.67	2.00	0.00	0.00	53.33	66.67	4.00
2.68	0.67	0.00	0.00	4.03	10.74	75.84
0.00	0.00	0.00	0.00	0.00	54.00	1.33
30.67	15.33	0.00	1.33	54.00	77.33	9.33
18.67	18.00	0.00	0.67	44.00	66.67	16.00
2.00	0.00	0.00	0.00	2.00	53.33	7.33
5.33	2.00	0.67	0.00	11.33	15.33	67.33
6.00	3.33	0.00	0.00	10.00	14.67	60.67
4.48	3.48	0.50	0.00	8.96	29.35	54.23
10.50	7.50	0.00	0.00	18.50	29.50	63.00
23.33	4.00	0.00	0.00	46.67	62.00	4.00
4.00	0.00	0.00	0.00	12.67	21.33	29.33
4.67	0.00	0.00	0.67	12.67	16.00	70.00
2.68	7.38	0.67	0.67	11.41	16.11	54.36

Sandstone_IN	Petrocalcic_IN	Total Rock_IN	Bare_IN	Cyano-Bare_IN	Litter_IN	<i>Bromus</i> _IN
0.00	0.00	40.67	0.00	27.33	2.00	16.00
0.00	0.00	36.00	0.00	34.00	0.67	20.67
0.00	0.00	31.45	5.03	25.79	0.00	18.24
0.00	0.00	21.94	5.16	10.32	7.10	22.58
0.69	0.00	33.33	4.17	6.25	4.17	24.31
0.66	0.00	20.53	10.60	10.60	0.00	20.53
0.00	0.00	31.42	0.00	12.00	3.33	5.33
0.00	0.00	21.33	2.00	14.67	8.67	13.33
0.00	14.00	63.33	2.00	17.33	2.00	0.00
0.00	0.00	3.33	0.00	28.67	4.00	4.67
2.00	2.00	14.67	25.33	76.00	5.33	2.67
0.00	5.00	75.79	0.00	11.50	1.50	6.50
0.00	4.00	60.79	1.50	16.00	1.50	5.50
0.67	0.00	29.33	10.00	52.67	3.33	0.67
0.00	0.00	22.00	4.67	52.67	8.67	4.00
1.33	0.00	31.33	48.00	75.33	3.33	1.33
0.67	0.00	35.17	7.33	16.00	2.00	2.00
0.00	0.00	63.33	0.67	10.00	8.00	16.00
0.00	0.00	38.00	26.00	31.00	0.00	14.50
0.00	43.33	53.33	1.33	22.00	2.67	0.00
0.00	46.67	60.00	0.00	6.67	1.33	8.00
0.00	0.00	38.00	23.33	48.00	4.67	6.00
0.67	6.67	11.33	0.00	13.33	2.67	19.33
0.00	0.00	81.67	1.34	8.05	9.40	2.68
0.00	0.00	1.33	27.33	81.33	5.33	12.00
0.00	0.00	9.33	0.00	23.33	1.33	12.00
0.00	0.00	16.00	3.33	26.00	2.67	11.33
0.00	0.00	7.33	36.00	87.33	0.67	2.67
0.00	12.00	86.42	0.00	4.00	0.67	4.67
0.00	9.33	80.42	0.00	4.67	6.00	9.33
0.00	2.49	56.72	0.50	20.90	5.47	7.96
0.00	2.00	67.08	0.00	11.00	1.50	4.00
0.67	27.33	33.04	1.33	16.67	0.67	4.00
2.67	0.00	36.17	42.00	50.67	1.33	3.33
0.00	0.00	70.00	4.67	8.00	5.33	4.00
0.00	26.17	80.54	0.67	5.37	0.67	2.01

Canopy Texture					
Clay_UC	Silt_UC	V. Fine Sand_UC	Fine Sand_UC	Sand_UC	Total Sand_UC
2.048394	20.812763	15.252652	36.435813	25.450376	77.138841
1.568143	23.79987	20.453093	29.485079	24.693814	74.631986
1.997755	24.141841	18.653034	29.390441	25.816928	73.860403
1.150012	23.469743	19.798789	33.333657	22.247803	75.380249
1.060141	20.888823	18.18205	34.537006	25.331979	78.051035
1.333214	29.299236	25.274618	27.764149	16.328788	69.367555
1.21956	22.134988	20.78162	30.852134	25.011698	76.645452
1.890615	33.802478	24.524068	22.706211	17.076629	64.306908
2.214426	29.818571	22.44864	28.607524	16.910834	67.966998
1.051938	23.971886	25.288323	34.361855	15.325997	74.976175
1.714012	14.609334	22.311637	47.530316	13.834699	83.676652
1.831926	31.125867	24.696527	23.728877	18.616804	67.042208
1.845827	31.978595	24.537434	24.848081	16.790064	66.175579
3.508211	24.720291	19.383251	34.157447	18.230804	71.771502
1.168382	15.744169	19.962077	42.061076	21.064298	83.087451
0.836528	9.24897	11.617501	50.650405	27.646596	89.914502
1.124352	18.440794	21.27324	47.152661	12.008961	80.434862
3.143242	32.805556	25.834286	27.790799	10.426119	64.051204
1.207019	25.360166	23.317541	31.651477	18.463797	73.432815
5.390112	36.066161	21.203949	23.28302	14.056754	58.543723
2.230778	30.66195	25.731431	27.693952	13.681888	67.107271
7.294318	23.040037	8.930137	29.911449	30.824061	69.665647
1.413578	21.706771	22.400033	41.714096	12.765521	76.87965
3.770314	34.425944	21.492155	26.527062	13.784526	61.803743
1.559483	10.667637	15.895425	50.977829	20.899629	87.772883
1.219738	20.310981	18.663369	37.720322	22.085592	78.469283
1.318461	20.850605	18.732773	32.56659	26.531574	77.830937
0.823039	13.396786	18.464474	43.704469	23.611235	85.780178
1.484936	27.621746	21.192352	30.158096	19.542869	70.893317
1.744077	31.351821	23.561139	25.24473	18.098235	66.904104
1.844648	31.328658	25.027152	24.515828	17.283713	66.826693
2.576822	36.133101	23.212975	21.239889	16.837216	61.29008
1.478416	24.345555	25.47605	34.460984	14.238991	74.176025
0.578698	10.444067	16.130555	53.569845	19.276836	88.977236
0.856292	18.867783	18.560044	40.480168	21.235711	80.275923
2.369939	33.978829	22.62104	22.120251	18.909941	63.651232

	Interspace Texture					
TEXTURE Class_UC	Clay_IN	Silt_IN	V. Fine Sand_IN	Fine Sand_IN	Sand_IN	Total Sand_IN
loamy sand	4.126349	29.662874	16.154215	29.660365	20.396197	66.210777
loamy sand	4.447593	33.263029	20.50075	23.943413	17.845213	62.289376
loamy sand	2.868441	30.322842	21.242682	26.801725	18.764307	66.808714
loamy fine sand	1.614252	27.957894	22.725864	30.213793	17.488198	70.427855
loamy sand	1.505017	22.915528	18.063091	32.662165	24.854202	75.579458
fine sandy loam	1.554333	30.721355	23.922239	24.053527	19.748544	67.72431
loamy sand	1.366708	26.158689	22.639536	26.731766	23.103306	72.474608
fine sandy loam	1.135265	26.625156	24.125886	26.956223	21.157471	72.23958
fine sandy loam	5.646263	33.758266	18.822164	22.899824	18.873484	60.595472
loamy fine sand	1.266374	26.550504	24.306296	30.226391	17.650436	72.183123
loamy fine sand	6.978986	26.153073	20.448735	36.892621	9.526589	66.867945
fine sandy loam	3.751688	36.202712	20.908378	18.42523	20.711994	60.045602
fine sandy loam	4.902903	47.911013	21.221825	14.896942	11.067315	47.186082
fine sandy loam	3.379272	25.068233	20.288455	33.306372	17.957667	71.552494
loamy fine sand	3.457305	24.919077	21.600312	35.303604	14.719703	71.623619
fine sand	0.97381	8.749673	10.698384	46.206669	33.371465	90.276518
loamy fine sand	1.395658	19.348048	20.83846	44.723534	13.694304	79.256298
fine sandy loam	2.265859	30.554019	24.277001	26.82059	16.082527	67.180118
loamy fine sand	0.981828	19.243883	17.948632	36.143242	25.682414	79.774288
fine sandy loam	2.311592	30.455268	22.016279	26.228109	18.988754	67.233142
fine sandy loam	2.130624	38.325538	26.072804	21.917497	11.553542	59.543843
fine sandy loam	3.441273	20.35078	12.39447	33.065309	30.748169	76.207948
loamy fine sand	1.036222	15.256118	17.920734	46.268994	19.517929	83.707657
fine sandy loam	1.946681	31.96652	21.773982	24.887123	19.425694	66.086799
fine sand	1.254207	14.294147	21.530768	47.979385	14.941492	84.451645
loamy fine sand	1.977145	26.729344	22.076456	31.982039	17.235018	71.293513
loamy sand	1.47699	23.94084	20.452901	29.129799	24.999471	74.582171
fine sand	2.161235	16.686724	14.231584	38.840793	28.079662	81.152039
fine sandy loam	2.139581	28.824147	21.554466	28.713384	18.768423	69.036273
fine sandy loam	2.476385	34.694501	23.237435	22.917959	16.673719	62.829113
fine sandy loam	2.967762	33.973238	23.562683	22.175617	17.320702	63.059002
fine sandy loam	2.491448	32.24711	20.949059	20.937791	23.37459	65.26144
loamy fine sand	2.785044	31.158555	25.238258	28.239797	12.578348	66.056403
fine sand	0.768214	10.653826	12.307664	49.782496	26.487803	88.577963
loamy fine sand	1.304399	20.65552	17.902751	37.209392	22.927943	78.040086
fine sandy loam	4.455844	39.320172	21.801577	20.268313	14.154092	56.223982

	Canopy (UC) and Interspace (IN) Chemistry							
TEXTURE CLASS_IN	Cl_UC	SO4_UC	NO3_UC	Cl_IN	SO4_IN	NO3_IN	Ext_P_UC	Extractable_P_IN
fine sandy loam	41.20	84.64	0.168	2.56	129.49	0.034	14.21	8.95
fine sandy loam	6.18	87.36	0.076	0.86	44.10	0.392	16.69	9.93
fine sandy loam	22.83	158.00	0.125	0.10	47.63	0.097	16.74	10.25
fine sandy loam	19.18	126.07	0.119	0.32	103.01	0.083	18.39	12.00
loamy sand	2.35	60.17	0.111	0.52	37.90	0.058	13.68	11.14
fine sandy loam	7.60	184.04	0.250	0.06	103.60	0.149	17.55	16.59
loamy fine sand	20.09	101.31	0.245	8.58	114.40	0.039	17.52	23.03
loamy fine sand	11.30	76.15	0.149	24.31	128.42	0.151	11.95	13.56
fine sandy loam	72.81	155.69	0.169	0.06	102.29	0.038	19.17	13.51
loamy fine sand	53.59	436.76	0.231	5.34	100.27	0.122	20.80	13.52
fine sandy loam	15.36	51.19	0.057	18.30	89.46	0.035	13.12	12.13
fine sandy loam	11.18	164.64	0.303	10.07	147.21	0.134	26.76	17.68
sandy loam	42.85	203.13	0.212	0.05	60.04	0.034	19.80	14.75
fine sandy loam	14.65	61.45	0.141	18.28	68.52	0.033	14.69	12.58
fine sandy loam	5.59	47.23	0.121	4.15	52.68	0.040	18.37	9.54
sand	28.22	99.39	0.083	5.23	19.36	0.119	6.59	5.05
loamy fine sand	0.66	84.05	0.147	0.64	31.41	0.033	8.42	22.18
fine sandy loam	21.54	163.51	0.158	0.19	38.26	0.099	17.10	20.41
loamy sand	22.46	129.68	0.303	0.02	88.08	0.034	10.60	20.19
fine sandy loam	39.16	173.68	0.161	20.74	51.65	0.036	18.20	17.38
very fine sandy loam	18.01	72.15	0.264	7.45	35.63	0.034	13.59	17.63
loamy sand	0.49	51.05	0.038	0.03	94.34	0.281	10.77	8.63
loamy fine sand	13.31	95.64	0.146	4.71	60.04	0.039	9.25	11.92
fine sandy loam	36.94	283.56	0.134	1.52	33.63	0.031	19.53	21.30
loamy fine sand	0.51	24.73	0.054	0.75	39.42	0.105	13.45	12.78
fine sandy loam	43.78	177.52	0.145	19.95	60.66	0.050	18.05	9.17
loamy sand	9.14	60.91	0.106	17.86	31.10	0.040	15.89	11.90
loamy sand	11.97	60.93	0.091	0.06	43.03	0.033	15.83	9.98
fine sandy loam	2.18	77.77	0.136	0.41	64.24	0.041	19.48	10.65
fine sandy loam	22.24	117.72	0.275	0.05	59.39	0.033	21.67	15.18
fine sandy loam	0.69	76.46	0.082	0.08	31.68	0.053	23.70	15.45
fine sandy loam	6.00	129.61	0.197	4.91	50.79	0.062	14.92	12.96
fine sandy loam	41.26	319.59	0.070	1.40	41.78	0.044	19.68	12.64
fine sand	22.41	98.45	0.097	4.54	89.40	0.054	12.39	7.61
loamy fine sand	28.81	197.24	0.138	5.18	89.07	0.036	21.98	11.59
very fine sandy loam	63.70	587.81	236.640	18.77	176.31	215.428	27.65	15.78

pH_UC	EC_UC	pH_IN	EC_IN	Total C_UC	Inorg. C_UC	Org. C_UC	Tot. N_UC	Tot. S_UC	C:N Ratio_UC
7.90	1.182	7.86	1.035	1.197	0.460	0.737	0.072	0.015	16.60
7.80	1.192	7.80	0.963	1.422	0.523	0.899	0.095	0.017	14.90
7.83	1.131	7.67	1.187	1.201	0.618	0.583	0.077	0.016	15.55
8.01	1.070	7.64	1.458	1.135	0.295	0.840	0.096	0.021	11.87
8.00	0.877	7.83	1.110	1.012	0.316	0.696	0.070	0.013	14.48
7.80	1.996	7.63	2.034	2.531	0.312	2.218	0.159	0.019	15.94
8.01	1.292	7.53	1.383	1.691	0.750	0.940	0.087	0.016	19.48
7.76	2.090	7.76	1.623	1.756	0.631	1.125	0.119	0.018	14.72
7.76	1.587	7.71	0.908	2.859	1.188	1.671	0.132	0.013	21.70
8.01	1.784	7.83	1.831	1.876	0.485	1.391	0.127	0.018	14.73
8.02	1.052	7.80	0.855	0.500	0.097	0.403	0.043	0.013	11.72
7.86	2.480	7.70	1.024	3.490	1.818	1.673	0.145	0.019	20.87
7.93	2.170	7.60	1.018	3.228	1.237	1.991	0.143	0.014	22.58
7.70	1.509	7.68	1.058	0.793	0.328	0.465	0.049	0.012	16.32
7.96	1.344	7.67	1.240	0.820	0.243	0.577	0.066	0.013	12.50
7.98	1.067	7.94	0.509	0.644	0.292	0.352	0.029	0.012	22.23
8.12	1.948	7.78	0.507	1.143	0.231	0.912	0.086	0.031	13.27
7.88	1.938	7.86	1.033	2.575	1.235	1.340	0.098	0.010	26.09
7.80	2.360	7.70	1.720	1.838	0.934	0.904	0.082	0.009	22.41
7.70	2.010	7.80	1.284	1.665	0.837	0.828	0.067	0.010	24.77
7.71	2.130	7.79	1.195	1.599	0.866	0.732	0.071	0.011	22.39
7.70	1.378	8.08	0.662	0.599	0.334	0.265	0.029	0.013	20.35
7.59	1.868	7.84	1.530	1.422	0.556	0.867	0.071	0.011	20.02
7.70	2.124	8.01	0.895	1.922	1.030	0.893	0.055	0.007	35.16
7.71	1.399	7.92	0.898	0.421	0.077	0.344	0.033	0.008	12.78
7.93	1.231	7.70	2.299	0.884	0.130	0.754	0.083	0.011	10.62
8.03	1.121	7.92	1.423	0.981	0.179	0.802	0.086	0.012	11.39
7.70	0.872	8.11	0.862	0.681	0.024	0.657	0.058	0.006	11.76
7.77	1.429	8.01	1.028	2.418	0.758	1.660	0.125	0.013	19.30
7.80	1.859	7.90	1.316	3.033	0.926	2.106	0.167	0.012	18.12
7.70	1.440	7.94	1.358	2.975	1.380	1.595	0.163	0.012	18.21
7.76	1.512	8.03	1.078	3.112	0.132	2.980	0.123	0.010	25.25
7.69	1.251	7.93	1.643	1.794	0.411	1.383	0.115	0.018	15.61
7.70	0.990	8.01	1.099	1.062	0.344	0.718	0.054	0.011	19.53
7.66	1.268	8.25	1.439	2.748	1.006	1.742	0.115	0.013	23.90
8.10	2.568	7.82	2.085	3.064	0.956	2.108	0.147	0.015	20.77

Carbonate_UC	Tot. C_IN	Inorg. C_IN	Org. C_IN	Tot. N_IN	Tot. S_IN	C:N Ratio_IN	Carbonate_IN
3.833	1.207	0.601	0.605	0.048	0.015	25.38	5.010
4.356	1.157	0.598	0.559	0.049	0.014	23.81	4.984
5.154	1.142	0.686	0.456	0.049	0.009	23.50	5.716
2.459	1.189	0.388	0.801	0.079	0.016	14.97	3.231
2.629	1.065	0.370	0.695	0.063	0.014	16.99	3.087
2.603	2.051	0.852	1.198	0.106	0.014	19.42	7.103
6.252	1.949	0.771	1.178	0.093	0.011	21.06	6.422
5.258	2.193	1.198	0.995	0.118	0.013	18.58	9.980
9.902	2.046	0.584	1.462	0.045	0.010	45.07	4.866
4.042	1.713	0.124	1.589	0.107	0.010	16.01	1.033
0.811	0.424	0.124	0.300	0.036	0.011	11.77	1.033
15.147	3.452	1.896	1.556	0.061	0.010	56.30	15.801
10.307	2.854	1.629	1.224	0.065	0.010	44.18	13.578
2.734	0.772	0.298	0.474	0.044	0.013	17.51	2.485
2.027	0.639	0.218	0.421	0.045	0.012	14.33	1.818
2.433	0.605	0.215	0.390	0.019	0.010	31.92	1.792
1.923	0.675	0.248	0.427	0.043	0.097	15.87	2.067
10.294	3.666	0.994	2.673	0.155	0.027	23.65	8.280
7.783	2.663	0.976	1.687	0.106	0.013	25.15	8.136
6.972	2.546	0.826	1.720	0.124	0.012	20.61	6.880
7.220	2.759	0.292	2.467	0.152	0.016	18.13	2.433
2.786	0.813	0.669	0.144	0.046	0.016	17.84	5.572
4.630	1.626	0.675	0.951	0.066	0.015	24.54	5.625
8.581	2.280	0.860	1.420	0.118	0.016	19.27	7.168
0.641	0.554	0.089	0.465	0.044	0.015	12.59	0.746
1.086	0.561	0.063	0.498	0.062	0.014	9.01	0.523
1.491	0.905	0.253	0.652	0.063	0.013	14.31	2.106
0.196	0.416	0.094	0.322	0.031	0.011	13.29	0.785
6.318	0.766	0.730	0.036	0.027	0.008	28.79	6.082
7.717	2.109	1.085	1.024	0.069	0.010	30.77	9.039
11.498	2.672	1.435	1.238	0.073	0.010	36.81	11.956
1.099	2.828	1.651	1.176	0.062	0.009	45.88	13.761
3.427	1.341	0.512	0.829	0.076	0.008	17.67	4.264
2.865	1.148	0.516	0.631	0.039	0.008	29.14	4.303
8.385	2.295	1.265	1.030	0.056	0.013	40.92	10.543
7.966	2.497	1.411	1.086	0.068	0.011	36.81	11.759



Na_UC	K_UC	Mg_UC	Ca_UC	Mn_UC	Fe_UC	Ni_UC
18713.851	70146.40174	57039.5509	151885.4562	2098.43394	546.80378	24.39678
10711.97608	79692.43804	67147.10002	146120.5964	193.16242	525.34532	14.0077
12022.1348	86262.10722	63341.95936	124114.1802	487.11196	504.94436	13.40112
11549.81008	83519.11026	51982.699	131254.7963	449.92082	537.21314	13.44186
8787.4698	61790.55326	32299.95792	99644.31588	473.67256	395.1029	10.155
9989.40294	116577.4893	138761.6012	251631.1297	5282.33378	1182.14584	19.26646
13108.2957	88581.44758	72360.12732	172847.0848	2907.82472	839.27384	16.35978
17892.381	71469.43104	134662.5738	318183.021	13187.5341	1376.0232	22.31426
13009.64678	86283.64908	65414.55316	287541.5316	2976.97848	1229.60954	27.24664
13926.18606	99842.45534	107834.255	248928.6166	1084.20114	1035.39002	21.62778
11081.17346	58342.65876	45609.24708	128535.6521	41.77338	452.94914	11.76916
9540.35354	154416.3663	160858.4976	320102.6041	539.3442	1265.83794	23.4215
14387.27602	133121.0401	124013.4115	320690.9358	943.1711	1232.99726	26.54766
16234.7506	82905.16724	98851.47654	173467.2029	5625.06644	819.76204	18.75276
13892.10988	81849.61604	85489.63206	158575.0268	5198.72868	701.84068	12.08174
14732.88816	71577.73872	35480.8297	145361.7845	1300.2414	751.42864	16.76804
9565.28696	87429.5564	76131.41716	216167.2519	4778.01832	1224.86108	18.93522
13469.34208	79999.40956	64728.30458	269082.6436	2860.52422	1025.49442	21.83506
10954.4609	111285.9706	142843.7032	235396.5204	3455.98282	1386.09016	20.33904
21972.6901	88902.18194	67253.26852	232316.8256	2385.29496	917.10706	19.62074
17662.1537	114520.2416	79921.17106	248724.1157	2444.16384	983.1997	20.58882
8269.18332	40830.32262	56313.2968	151068.0887	2846.67572	560.62296	14.83746
14242.07646	90622.53888	74351.1714	204360.4478	3569.04118	953.67338	17.95922
16374.8674	145714.6513	76143.72654	257132.5414	2403.88846	948.97446	20.20176
12721.24666	61532.64932	56519.47912	132930.5989	441.74852	522.68682	14.4611
17948.69426	87045.9916	67590.23812	108343.7902	289.42304	442.64478	11.57348
15629.06544	77733.32546	56876.45146	108586.9665	592.88064	426.70782	12.03214
14283.14144	70665.20156	42836.58068	85241.1986	747.15786	339.95072	14.89062
17349.08362	141283.0118	97226.63686	368627.7203	578.42862	1488.61878	36.32242
22307.50138	187617.161	126906.1185	402602.0533	1881.99558	1538.13054	44.86104
8427.46168	91779.21714	66867.06136	168959.4784	727.03366	608.25786	14.12016
19307.86752	234033.289	161426.2683	286973.1135	1948.9944	1035.1551	27.30598
12886.48284	91295.72204	47154.38826	170677.805	431.29162	588.6972	14.3823
12790.93316	61375.27406	45959.94454	97927.08984	197.2289	376.67054	9.0872
11612.15136	83430.54928	64526.7383	105877.9517	265.46502	448.60884	10.57292
27131.16404	101201.9861	77363.89498	247694.3925	75.80562	895.7008	21.66942

Cu_UC	Zn_UC	Co_UC	B_UC	Mo_UC	Na_IN	K_IN
57.97302	30.72088	4.29344	257.7312	43.51726	12922.79048	24265.23
31.39396	20.76552	2.5347	235.23428	20.54674	110722.1634	25271.7136
22.92502	12.46458	2.73308	225.57834	16.2412	11402.82846	30563.83076
37.20622	18.52088	2.18106	288.15452	13.09754	23747.06902	50621.69678
27.18702	15.53224	1.6555	203.59174	7.68304	10421.08108	28074.54906
26.98594	16.83078	6.47316	448.86308	6.86328	19476.28042	68643.25856
16.73558	21.29752	3.95894	319.62928	5.71522	14104.656	47431.70622
11.0089	15.12732	6.4582	454.9291	4.40776	19930.04066	101713.6053
23.89902	19.64472	5.59014	372.68644	4.44258	24880.29192	16036.0428
18.4814	18.56572	4.21238	301.42444	6.54712	13045.30356	58283.41864
8.12302	2.95788	2.09284	251.54866	2.94244	21689.35726	19137.66872
16.73516	11.00026	5.21768	769.43538	4.31874	22541.58724	38703.06386
36.92802	13.25948	6.2562	525.60884	6.27638	45744.16702	20456.50932
18.51224	10.82696	6.26378	297.03866	5.67308	20142.0754	34389.90462
8.33288	9.94842	4.5084	309.34958	6.85764	15046.981	25603.21892
30.49472	12.93222	4.1947	421.06788	5.46266	153070.2272	10329.53466
20.25294	11.87136	5.4358	577.51092	4.22992	42359.2972	17036.71086
14.28488	9.24766	5.85278	345.72924	3.52842	42136.15166	19485.33042
20.52176	15.81016	6.26164	312.36498	3.8867	19393.22068	44016.1245
24.18848	10.7209	5.41228	371.31556	3.73398	18820.13956	20912.4787
18.5488	10.84936	5.56954	408.10662	5.88158	69824.04966	24427.99072
17.40052	7.7984	4.03728	226.8115	2.50722	15119.25536	10900.06674
12.86948	12.8142	3.88704	593.6435	3.84908	75885.67416	36594.35504
21.7365	7.08724	4.89928	936.34428	4.96722	31614.59172	30003.144
19.2685	3.87964	2.9239	247.80848	2.958	8632.2377	28410.52266
39.18588	16.05522	2.1321	376.71854	6.91554	20477.89566	46715.26808
36.92804	22.37048	2.27568	223.22484	5.55266	14982.11038	41372.86408
33.65924	44.94206	7.02398	204.09948	2.7187	17745.7829	24647.29858
41.4338	47.48384	14.205	407.43718	11.88808	8130.69234	17843.98418
75.18386	55.10548	17.19352	694.73746	27.40372	8661.5281	30702.69896
15.0931	19.49524	3.00126	412.51026	4.76464	15215.88392	31272.0823
52.46626	22.36006	10.88766	1050.40058	19.20004	6789.59202	23327.18526
18.32934	16.58272	2.89282	324.3298	7.23272	13591.08386	33239.86214
30.64694	20.85212	1.5739	368.93668	2.11648	11117.93328	21750.25808
48.0294	21.59042	2.67868	298.44952	2.82696	17635.33072	47843.33422
68.83468	38.30408	4.28002	268.29114	9.8245	19058.6218	33977.6388

Mg_IN	Ca_IN	Mn_IN	Fe_IN	Ni_IN	Cu_IN	Zn_IN	Co_IN
43901.89602	109228.3373	557.20374	388.3108	11.9498	29.7321	13.02486	2.2139
50694.05958	122474.8405	18.51438	455.15368	15.3981	31.55204	10.44152	6.29758
60179.98442	120629.1816	404.86764	431.1719	12.06226	19.73214	9.21926	3.02456
55062.3549	159861.5937	82.76056	586.83968	12.74142	13.5753	7.15296	2.61806
36843.01294	122251.5443	1577.93036	423.8766	11.43446	14.48004	9.73328	2.381
98402.18376	235401.9666	63.773	826.7662	16.78576	8.31932	5.6186	2.05224
42776.47624	138974.2044	864.33232	484.9566	12.4563	13.78896	11.19152	1.71456
82738.48304	138490.7964	249.72798	492.12932	13.0425	20.55218	18.77492	2.0163
20451.7118	117080.9773	13.00434	386.64154	10.1426	18.2085	9.57786	0.91278
73284.87036	188172.1434	1823.0708	717.25198	16.97972	16.6037	15.59652	5.26712
26287.5895	89370.36236	49.80342	298.1952	8.30274	24.87434	9.93344	1.81754
64646.75486	189758.1192	21.93968	643.95338	17.87862	47.07436	7.5982	2.1043
30133.33672	113676.6657	348.1704	376.2681	9.529	20.292	10.32194	1.44024
49955.39992	90193.705	66.10966	295.14128	7.90788	16.71092	4.78496	0.97028
52791.27216	100332.9408	1119.324	330.55502	9.15714	19.45798	10.84936	1.2753
9543.66756	46768.46896	30.40056	159.19492	5.30414	20.76882	25.99032	0.36906
32233.7709	105304.8619	42.47036	337.8862	7.66086	21.9207	5.58872	1.22362
15466.1678	96229.4341	10.56246	291.15934	7.13408	10.99164	4.35022	0.5161
58110.46796	148999.9302	245.9636	544.88954	14.57096	14.1679	9.83338	4.6977
23468.81096	136021.4339	177.42276	494.41222	11.93298	15.50812	6.23862	1.98366
29441.72682	123399.3648	648.68974	431.14928	11.69566	10.84418	12.95018	1.42818
30612.24898	66348.65316	15.40906	200.02446	5.50246	30.76998	7.08872	0.5534
42190.4338	160161.5595	389.75906	545.48486	12.05694	15.51922	10.2577	1.41478
16102.04886	101129.8382	331.40998	333.09186	7.90256	22.62778	10.8867	0.84188
33023.1467	82072.69944	1781.7929	460.97788	8.58734	30.75886	24.24244	3.83202
99317.86532	234488.9282	8984.75632	1134.04064	23.9335	11.37956	55.01458	11.36208
51979.16988	140788.2601	3822.34542	705.93204	14.43146	15.81012	36.23722	6.7347
28482.09694	87594.85632	2300.10856	493.50716	7.93576	42.91632	36.59286	2.89586
21830.2678	124922.0485	1187.4306	640.77978	14.31676	37.232	31.7596	5.43864
30035.3399	136227.9887	971.92332	675.17418	11.78162	23.17386	23.13906	4.14248
35980.4624	154223.9166	1183.18044	710.3289	11.84368	25.88942	25.68232	3.93764
26421.00518	89832.1504	719.58846	456.5772	7.01274	21.6795	22.45736	2.02784
32781.36508	144404.1689	1191.89304	656.11996	10.65764	14.6732	21.75656	4.09108
30194.60228	118904.9764	2358.0951	565.78186	8.37014	22.16178	27.70262	2.6482
41064.89812	139845.4347	2394.69222	663.38464	13.1401	17.3776	26.74168	2.98522
59350.6322	156593.6469	92.12342	681.3502	14.59004	51.02214	20.35794	2.3858

B_IN	Mo_IN
112.85096	4.29514
133.42036	3.07884
116.3395	3.62264
245.14854	3.03772
98.90522	2.21172
427.20558	2.9454
258.58564	3.38582
228.99578	4.91484
128.30408	1.37036
494.8613	3.2723
65.78792	2.31758
299.04618	19.19404
129.06948	4.79166
104.19018	3.4677
86.06384	4.00288
87.73948	0.62798
169.89796	2.35656
118.97408	1.84312
182.7029	3.1724
129.88328	2.35512
120.41626	1.82062
64.90184	0.72702
221.62098	5.81302
204.84096	2.59566
93.4035	51.78082
214.56206	18.133
123.6728	10.90762
89.82314	9.29646
87.8901	8.91392
219.87496	9.07318
191.07682	8.6638
126.53144	8.1633
238.46338	7.16934
147.94954	4.51836
166.38984	6.06246
188.45826	9.7374

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