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2006 PRE-DISCHARGE EVALUATION FOR
SECTION 20 ANALYSIS
IRRIGATION/SOIL SUITABILITY
COLLINS DRAW, WYOMING

Prepared for

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March 6, 2007

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Table 3: Soil Analysis Summary between Collins Draw Sample Points

Field	Sample I.D.	Total Depth (inches)	EC mmhos/cm	pH s.u.	Ca meq/L	Mg meq/L	Na meq/L	SAR	CEC meq/100g	ESP %	Organic Matter
1	Collins 1	0-12	.49	8.2	2.8	2.1	0.97	0.62	16.0	1.60	0.78
		12-24	.67	8.1	3.0	2.0	3.10	1.98	15.0	2.50	
		24-36	.85	8.1	4.7	2.7	3.50	1.85	11.0	4.60	
		36-48	1.99	7.9	16.0	6.6	5.90	1.79	14.0	0.44	
1	Collins 2	0-12	.66	7.9	5.8	2.0	0.53	0.27	14.0	1.60	0.82
		12-24	.66	7.8	5.8	2.0	0.52	0.27	14.0	1.70	
		24-36	.82	7.9	7.3	3.0	0.92	0.41	12.0	1.80	
		36-48	1.24	8.0	11.0	4.7	1.60	0.58	11.0	1.60	
1	Collins 3	0-12	.63	7.9	5.2	1.9	0.73	0.39	13.0	0.36	1.40
		12-24	2.25	7.8	23.0	7.7	3.30	0.85	13.0	0.93	
		24-36	1.74	7.9	17.0	6.5	1.90	0.57	13.0	0.64	
		36-48	2.01	7.8	21.0	8.6	1.70	0.44	13.0	0.91	
1	Collins 4	0-12	0.40	8.0	2.7	1.7	0.62	0.42	14.0	0.82	0.93
		12-24	0.56	7.9	3.3	1.8	2.10	1.35	14.0	1.10	
		24-36	0.65	7.9	3.8	1.7	2.80	1.68	12.0	1.40	
		36-48	1.48	7.7	12.0	4.5	3.80	1.32	19.0	0.81	
1	Collins 5	0-12	0.72	7.8	6.4	2.3	0.57	0.27	15.0	0.49	1.40
		12-24	2.68	7.7	30.0	11.0	2.00	0.44	12.0	0.54	
		24-36	2.77	7.8	32.0	12.0	2.10	0.44	13.0	0.56	
		36-48	2.28	7.8	25.0	9.2	1.50	0.36	13.0	0.64	
1	Collins 6	0-12	0.58	8.0	4.3	1.9	0.85	0.48	28.0	0.48	1.40
		12-24	0.57	8.0	3.6	1.8	1.60	0.96	29.0	0.67	
		24-36	0.60	8.1	3.6	1.8	1.60	0.99	19.0	0.97	
		36-48	0.51	8.0	3.1	1.6	1.50	0.99	11.0	1.10	
1	Collins 7	0-12	0.60	8.0	4.6	2.0	0.44	0.24	13.0	0.74	1.00
		12-24	0.64	7.9	4.9	2.0	0.46	0.25	12.0	0.76	
		24-36	0.67	7.7	5.1	2.0	0.45	0.24	13.0	0.24	
		36-48	0.76	7.7	5.6	2.1	0.63	0.32	11.0	1.10	
1	Collins 8	0-12	0.58	8.0	5.2	1.7	0.30	0.16	13.0	0.94	1.20
		12-24	0.54	8.2	4.4	1.7	0.70	0.40	13.0	1.20	
		24-36	1.13	8.1	10.0	3.5	1.30	0.50	13.0	1.40	
		36-48	2.43	8.0	25.0	10.0	1.70	0.41	12.0	1.40	

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Table 3: Soil Analysis Summary between Collins Draw Sample Points continued

Field	Sample I.D.	Total Depth (inches)	EC mmhos/cm	pH s.u.	Ca meq/L	Mg meq/L	Na meq/L	SAR	CEC meq/100g	ESP %	Organic Matter
2	Collins 9	0-12	0.44	8.2	3.6	1.3	0.44	0.28	14.0	1.10	1.00
		12-24	0.42	8.2	3.0	1.1	1.00	0.71	12.0	1.70	
		24-36	0.64	8.3	4.7	1.7	1.30	0.73	10.0	1.90	
		36-48	0.93	8.5	7.2	2.4	1.30	0.60	15.0	1.40	
2	Collins 10	0-12	0.47	8.4	3.6	1.6	0.30	0.18	20.0	0.82	1.50
		12-24	0.48	8.0	3.7	1.5	0.36	0.22	18.0	0.86	
		24-36	0.46	8.0	3.9	1.5	0.43	0.26	14.0	1.10	
		36-48	0.38	8.2	2.9	1.2	0.43	0.30	7.9	1.70	
2	Collins 11	0-12	0.49	7.9	4.6	1.6	0.34	0.20	16.0	1.90	1.40
		12-24	0.50	8.1	3.8	1.4	1.40	0.86	16.0	2.10	
		24-36	1.82	7.9	19.0	5.9	2.70	0.79	15.0	1.30	
		36-48	1.92	7.9	21.0	6.7	1.80	0.49	17.0	0.28	
2	Collins 12	0-12	0.44	7.9	4.1	1.4	0.12	0.07	20.0	0.59	1.40
		12-24	0.39	7.9	3.3	1.2	0.19	0.13	13.0	0.89	
		24-36	0.36	8.2	2.9	1.1	0.19	0.14	7.5	1.60	
		36-48	0.37	8.5	2.7	1.2	0.22	0.16	4.8	2.20	
3A	Collins 13	0-12	0.55	8.0	5.2	1.7	0.19	0.10	14.0	0.74	1.20
		12-24	0.34	8.1	2.8	1.0	0.22	0.13	13.0	0.93	
		24-36	0.66	7.9	6.0	1.9	0.19	0.13	13.0	0.96	
		36-48	0.64	8.0	5.3	1.6	0.18	0.10	12.0	1.00	
3A	Collins 14	0-12	0.35	8.2	2.9	1.0	0.25	0.08	7.3	1.40	0.18
		12-24	0.34	8.6	2.3	1.1	0.18	0.13	4.7	2.50	
		24-36	0.29	8.7	2.1	1.0	0.12	0.15	4.6	2.10	
		36-48	0.24	7.9	1.6	0.9	0.17	0.18	4.8	2.10	
3B	Collins 15	0-12	0.63	7.4	5.2	2.0	0.18	0.19	16.0	0.82	1.20
		12-24	0.47	7.7	3.8	1.3	0.20	0.32	13.0	1.10	
		24-36	0.38	7.8	2.8	1.1	0.36	0.29	11.0	1.10	
		36-48	0.47	7.6	3.3	1.5	0.52	0.37	13.0	0.92	
3B	Collins 16	0-12	0.27	7.8	2.0	1.0	0.16	0.13	11.0	0.74	0.56
		12-24	0.28	8.0	1.9	1.1	0.21	0.17	5.5	1.70	
		24-36	0.24	8.0	1.6	0.9	0.18	0.16	6.1	1.40	
		36-48	0.30	7.9	2.2	1.0	0.31	0.25	10.0	0.85	

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Field	Sample I.D.	Total Depth (inches)	EC mmhos/cm	pH s.u.	Ca meq/L	Mg meq/L	Na meq/L	SAR	CEC meq/100g	ESP %	Organic Matter
3C	Collins 17	0-12	0.44	7.7	3.6	1.3	0.25	0.16	16.0	0.51	0.80
		12-24	0.43	7.7	3.2	1.4	0.89	0.59	18.0	0.99	
		24-36	2.30	7.5	20.0	9.4	2.90	0.77	11.0	1.40	
		36-48	2.38	7.6	23.0	8.6	3.20	0.82	11.0	1.30	
3C	Collins 18	0-12	0.30	7.9	2.4	0.8	0.13	0.11	7.2	0.83	0.15
		12-24	0.33	8.0	2.3	1.0	0.25	0.19	6.8	1.00	
		24-36	0.48	7.7	3.1	1.8	0.21	0.14	14.0	0.48	
		36-48	0.47	7.8	3.3	1.6	0.22	0.14	8.6	0.93	
3C	Collins 19	0-12	0.38	7.9	3.2	1.3	0.30	0.20	14.0	0.61	0.89
		12-24	0.49	7.8	3.0	1.4	1.20	0.82	15.0	1.10	
		24-36	1.14	7.3	8.4	3.5	2.60	1.07	16.0	1.20	
		36-48	1.70	7.7	13.0	6.1	2.50	0.81	16.0	1.90	
4A	Collins 20	0-12	0.73	7.6	6.5	2.3	0.30	0.14	22.0	0.43	2.40
		12-24	0.97	7.8	7.0	2.9	0.81	0.36	18.0	0.66	
		24-36	0.64	7.9	4.4	1.8	0.75	0.42	8.3	1.10	
		36-48	0.79	7.9	5.2	2.1	1.40	0.74	9.9	1.20	
4A	Collins 21	0-12	0.54	7.7	4.9	1.3	0.19	0.11	16.0	0.39	1.20
		12-24	2.13	7.6	24.0	5.5	0.47	0.12	22.0	0.37	
		24-36	2.49	7.5	28.0	7.0	1.40	0.34	25.0	0.59	
		36-48	2.58	7.5	28.0	6.5	1.40	0.32	24.0	0.62	
4B	Collins 22	0-12	0.57	7.7	4.9	2.0	0.23	0.12	17.0	0.22	2.00
		12-24	0.29	7.7	4.3	1.8	0.20	0.11	18.0	0.29	
		24-36	0.60	7.6	4.5	1.5	1.30	0.73	14.0	1.20	
		36-48	1.14	7.6	8.7	2.9	2.30	0.95	21.0	1.10	
4B	Collins 23	0-12	0.65	7.5	5.2	2.2	0.43	0.22	22.0	0.33	1.50
		12-24	1.06	7.6	7.5	3.7	2.30	0.95	20.0	1.10	
		24-36	2.74	7.5	24.0	12.0	5.90	1.40	21.0	1.60	
		36-48	2.51	7.5	22.0	11.0	4.50	1.12	18.0	1.00	
4B	Collins 24	0-12	0.72	7.6	5.3	2.2	0.63	0.33	23.0	0.75	2.00
		12-24	2.63	7.5	23.0	10.0	4.90	1.21	22.0	1.60	
		24-36	1.93	7.6	16.0	6.8	3.70	1.10	23.0	1.50	
		36-48	1.48	7.6	12.0	4.7	2.30	0.81	24.0	1.20	

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Table 3: Soil Analysis Summary between Collins Draw Sample Points continued

Field	Sample I.D.	Total Depth (inches)	EC mmhos/cm	pH s.u.	Ca meq/L	Mg meq/L	Na meq/L	SAR	CEC meq/100g	ESP %	Organic Matter
4B	Collins 25	0-12	0.60	7.6	4.9	2.1	0.39	0.21	20.0	0.44	1.40
		12-24	0.53	7.7	3.7	1.8	0.97	0.58	20.0	0.89	
		24-36	0.93	7.7	6.6	2.9	1.70	0.79	14.0	1.00	
		36-48	2.70	7.6	28.0	9.7	4.40	1.02	23.0	1.60	
4B	Collins 26	0-12	0.61	7.6	4.8	1.8	0.22	0.12	26.0	0.26	1.40
		12-24	0.54	7.7	4.1	1.7	0.29	0.17	15.0	0.37	
		24-36	0.38	7.8	2.9	1.3	0.29	0.20	17.0	0.37	
		36-48	0.52	7.8	3.8	1.8	0.39	0.23	18.0	0.43	
4C	Collins 27	0-12	0.84	7.7	7.8	2.4	0.31	0.14	18.0	0.30	1.90
		12-24	0.96	7.8	6.9	3.2	1.50	0.66	18.0	0.90	
		24-36	3.06	7.8	28.0	15.0	5.10	1.11	17.0	2.30	
		36-48	3.61	7.8	34.0	15.0	5.70	1.15	18.0	1.70	
5	Collins 28	0-12	0.88	7.6	7.2	2.4	0.18	0.08	27.0	0.20	2.40
		12-24	0.66	7.7	4.8	2.3	0.61	0.32	29.0	0.49	
		24-36	1.18	7.7	9.3	4.2	1.90	0.73	30.0	1.10	
		36-48	2.25	7.6	22.0	8.6	3.20	0.83	38.0	0.96	
5	Collins 29	0-12	0.58	7.8	5.0	1.6	0.38	0.21	18.0	0.26	1.10
		12-24	0.72	7.7	5.8	1.8	1.10	0.56	17.0	0.63	
		24-36	2.54	7.6	5.9	1.5	0.61	0.32	15.0	1.40	
		36-48	2.88	7.8	32.0	9.6	3.20	0.70	11.0	0.77	
5	Collins 30	0-12	0.69	7.6	6.4	2.2	0.30	0.14	20.0	0.31	1.70
		12-24	0.44	7.8	3.4	1.4	0.63	0.41	18.0	0.55	
		24-36	2.74	7.6	27.0	9.7	3.80	0.88	23.0	1.30	
		36-48	2.88	7.4	28.0	10.0	4.70	1.08	21.0	1.30	
5	Collins 31	0-12	0.67	7.4	6.3	1.5	0.16	0.08	16.0	0.21	1.00
		12-24	2.14	7.5	23.0	7.5	0.96	0.25	22.0	0.29	
		24-36	2.57	7.4	29.0	8.4	2.00	0.47	16.0	0.81	
		36-48	1.14	7.6	10.0	3.4	1.50	0.56	15.0	0.88	
5	Collins 32	0-12	0.99	7.4	9.2	2.1	0.24	0.10	18.0	0.26	1.50
		12-24	0.56	7.6	5.0	1.4	0.29	0.16	15.0	0.36	
		24-36	0.77	7.6	6.8	1.9	1.10	0.52	18.0	0.21	
		36-48	2.49	7.5	30.0	7.9	1.20	0.27	17.0	0.54	

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Field	Sample I.D.	Total Depth (inches)	EC mmhos/cm	pH s.u.	Ca meq/L	Mg meq/L	Na meq/L	SAR	CEC meq/100g	ESP %	Organic Matter
5	Collins 33	0-12	0.66	7.5	5.5	1.3	0.23	0.13	23.0	0.24	2.30
		12-24	0.84	7.6	5.6	1.5	0.51	0.27	13.0	0.44	
		24-36	1.21	7.6	8.8	2.9	3.70	1.51	18.0	1.90	
		36-48	2.26	7.5	18.0	5.7	6.30	1.82	19.0	2.50	
5	Collins 34	0-12	0.89	7.4	7.8	2.2	0.48	0.22	22.0	0.32	2.60
		12-24	0.66	7.4	6.2	1.7	0.41	0.21	22.0	0.34	
		24-36	0.42	7.5	3.1	1.1	0.30	0.20	24.0	0.41	
		36-48	0.38	7.6	2.8	1.0	0.28	0.20	23.0	0.36	
5	Collins 35	0-12	0.60	7.6	4.6	1.6	1.10	0.60	16.0	0.94	1.40
		12-24	0.91	7.6	7.5	2.7	1.50	0.67	16.0	1.10	
		24-36	2.64	7.5	26.0	9.4	4.20	1.00	17.0	1.60	
		36-48	2.77	7.6	5.3	2.0	1.00	0.53	15.0	3.40	
6A	Collins 36	0-12	0.68	7.4	7.0	2.0	0.34	0.16	17.0	0.46	1.50
		12-24	1.10	7.2	11.0	3.2	0.99	0.38	21.0	0.72	
		24-36	0.88	7.6	6.2	1.7	0.88	0.44	14.0	0.50	
		36-48	0.46	7.6	10.0	3.0	0.98	0.38	16.0	0.47	
6A	Collins 37	0-12	0.57	7.3	7.6	2.3	0.24	0.11	26.0	0.14	2.30
		12-24	1.75	7.6	4.1	1.4	0.30	0.18	23.0	0.23	
		24-36	2.06	7.5	5.3	1.9	0.64	0.34	24.0	0.36	
		36-48	0.45	7.5	15.0	6.5	2.90	0.87	24.0	0.95	
6B	Collins 39	0-12	2.06	7.4	18.0	4.6	0.35	0.10	28.0	0.13	2.10
		12-24	0.45	7.5	4.2	1.2	0.19	0.11	31.0	0.12	
		24-36	0.54	7.6	4.8	1.4	0.30	0.17	25.0	0.16	
		36-48	0.39	7.5	3.4	1.1	0.17	0.11	28.0	0.14	
6B	Collins 40	0-12	0.99	7.0	7.3	2.6	0.23	0.10	15.0	0.17	1.40
		12-24	1.10	7.3	6.2	3.1	1.20	0.55	14.0	0.53	
		24-36	10.50	7.2	66.0	46.0	21.00	2.78	17.0	2.60	
		36-48	9.15	7.4	59.0	35.0	27.00	3.89	21.0	3.70	
6B	Collins 41	0-12	0.86	7.4	7.1	2.3	0.21	0.10	26.0	0.23	2.50
		12-24	0.54	7.5	4.1	1.6	0.42	0.25	28.0	0.36	
		24-36	0.49	7.4	3.9	1.5	0.62	0.38	37.0	0.40	
		36-48	0.76	7.6	5.5	2.0	1.50	0.77	28.0	1.10	

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6B	Collins 42	0-12	0.95	7.4	7.5	2.5	0.39	0.17	19.0	0.27	1.20
		12-24	2.91	7.4	30.0	11.0	3.40	0.75	21.0	0.89	
		24-36	4.64	7.4	34.0	12.0	19.00	3.94	19.0	6.40	
		36-48	8.24	7.8	22.0	17.0	75.00	17.00	15.0	23.00	
6B	Collins 43	0-12	1.01	7.4	8.2	2.7	0.58	0.25	21.0	0.43	5.50
		12-24	0.85	7.6	6.3	2.5	0.89	0.42	20.0	0.80	
		24-36	0.74	7.6	5.4	2.2	1.30	0.67	19.0	1.40	
		36-48	2.30	7.5	23.0	8.4	3.30	0.83	12.0	3.30	

Color Key

	Marginal
	Unsuitable

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Table 4: Correlation Analysis between ESP and SAR Values

Field	Sample I.D.	SAR 0-12"	ESP 0-12"	SAR 12-24"	ESP 12-24"	SAR 24-36"	ESP 24-36"	SAR 36-48"	ESP 36-48"
1	1	0.62	1.6	1.98	2.5	1.85	4.6	1.79	0.44
1	2	0.27	1.6	0.27	1.7	0.41	1.8	0.58	1.6
1	3	0.39	0.36	0.85	0.93	0.57	0.64	0.44	0.91
1	4	0.42	0.82	1.35	1.1	1.68	1.4	1.32	0.81
1	5	0.27	0.49	0.44	0.54	0.44	0.56	0.36	0.64
1	6	0.48	0.48	0.96	0.67	0.99	0.97	0.99	1.1
1	7	0.24	0.74	0.25	0.76	0.24	0.24	0.32	1.1
1	8	0.16	0.94	0.4	1.2	0.5	1.4	0.41	1.4
2	9	0.28	1.1	0.71	1.7	0.73	1.9	0.6	1.4
2	10	0.17	0.82	0.2	0.86	0.26	1.1	0.3	1.7
2	11	0.2	1.9	0.86	2.1	0.79	1.3	0.49	0.28
2	12	0.07	0.59	0.13	0.89	0.14	1.6	0.16	2.2
3A	13	0.1	0.74	0.13	0.93	0.13	0.96	0.1	1
3A	14	0.08	1.4	0.13	2.5	0.15	2.1	0.18	2.1
3B	15	0.19	0.82	0.32	1.1	0.29	1.1	0.37	0.92
3B	16	0.13	0.74	0.17	1.7	0.16	1.4	0.25	0.85
3C	17	0.16	0.51	0.59	0.99	0.77	1.4	0.82	1.3
3C	18	0.11	0.83	0.19	1	0.14	0.48	0.14	0.93
3C	19	0.2	0.61	0.82	1.1	1.07	1.2	0.81	1.9
4A	20	0.14	0.43	0.36	0.66	0.42	1.1	0.74	1.2
4A	21	0.11	0.39	0.12	0.37	0.34	0.59	0.32	0.62
4B	22	0.12	0.22	0.11	0.29	0.73	1.2	0.95	1.1
4B	23	0.22	0.33	0.95	1.1	1.4	1.6	1.12	1
4B	24	0.33	0.75	1.21	1.6	1.1	1.5	0.81	1.2
4B	25	0.21	0.44	0.58	0.89	0.79	1	1.02	1.6
4B	26	0.12	0.26	0.17	0.37	0.2	0.37	0.23	0.43
4C	27	0.14	0.3	0.66	0.9	1.11	2.3	1.15	1.7
5	28	0.08	0.2	0.32	0.49	0.73	1.1	0.83	0.96
5	29	0.21	0.26	0.56	0.63	0.32	1.4	0.7	0.77
5	30	0.14	0.31	0.41	0.55	0.88	1.3	1.08	1.3
5	31	0.08	0.21	0.25	0.29	0.47	0.81	0.56	0.88
5	32	0.1	0.26	0.16	0.36	0.52	0.21	0.27	0.54
5	33	0.13	0.24	0.27	0.44	1.51	1.9	1.82	2.5
5	34	0.22	0.32	0.21	0.34	0.2	0.41	0.2	0.36
5	35	0.6	0.94	0.67	1.1	1	1.6	0.53	3.4
6A	36	0.16	0.46	0.38	0.72	0.44	0.5	0.38	0.47
6A	37	0.11	0.14	0.18	0.23	0.34	0.36	0.87	0.95
6B	39	0.1	0.13	0.11	0.12	0.17	0.16	0.11	0.14
6B	40	0.1	0.17	0.55	0.53	2.78	2.6	3.8	3.7
6B	41	0.1	0.23	0.25	0.36	0.38	0.4	0.77	1.1
6B	42	0.17	0.27	0.75	0.89	3.94	6.4	17	23
6B	43	0.25	0.43	0.42	0.8	0.67	1.4	0.83	3.3
Correlation		0.40		0.50		0.81		0.97	

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Table 5: Correlation Analysis between EC and SAR Values

Field	Sample I.D.	SAR 0-12"	EC 0-12"	SAR 12-24"	EC 12-24"	SAR 24-36"	EC 24-36"	SAR 36-48"	EC 36-48"
1	1	0.62	0.49	1.98	0.67	1.85	0.85	1.79	1.99
1	2	0.27	0.66	0.27	0.66	0.41	0.82	0.58	1.24
1	3	0.39	0.63	0.85	2.25	0.57	1.74	0.44	2.01
1	4	0.42	0.4	1.35	0.56	1.68	0.65	1.32	1.48
1	5	0.27	0.72	0.44	2.68	0.44	2.77	0.36	2.28
1	6	0.48	0.58	0.96	0.57	0.99	0.6	0.99	0.51
1	7	0.24	0.6	0.25	0.64	0.24	0.67	0.32	0.76
1	8	0.16	0.58	0.4	0.54	0.5	1.13	0.41	2.43
2	9	0.28	0.44	0.71	0.42	0.73	0.64	0.6	0.93
2	10	0.17	0.47	0.2	0.48	0.26	0.46	0.3	0.38
2	11	0.2	0.49	0.86	0.5	0.79	1.82	0.49	1.92
2	12	0.07	0.44	0.13	0.39	0.14	0.36	0.16	0.37
3A	13	0.1	0.55	0.13	0.34	0.13	0.66	0.1	0.64
3A	14	0.08	0.35	0.13	0.34	0.15	0.29	0.18	0.24
3B	15	0.19	0.63	0.32	0.47	0.29	0.38	0.37	0.47
3B	16	0.13	0.27	0.17	0.28	0.16	0.24	0.25	0.3
3C	17	0.16	0.44	0.59	0.43	0.77	2.3	0.82	2.38
3C	18	0.11	0.3	0.19	0.33	0.14	0.48	0.14	0.47
3C	19	0.2	0.38	0.82	0.49	1.07	1.14	0.81	1.7
4A	20	0.14	0.73	0.36	0.97	0.42	0.64	0.74	0.79
4A	21	0.11	0.54	0.12	2.13	0.34	2.49	0.32	2.58
4B	22	0.12	0.57	0.11	0.29	0.73	0.6	0.95	1.14
4B	23	0.22	0.65	0.95	1.06	1.4	2.74	1.12	2.51
4B	24	0.33	0.72	1.21	2.63	1.1	1.93	0.81	1.48
4B	25	0.21	0.6	0.58	0.53	0.79	0.93	1.02	2.7
4B	26	0.12	0.61	0.17	0.54	0.2	0.38	0.23	0.52
4C	27	0.14	0.84	0.66	0.96	1.11	3.06	1.15	3.61
5	28	0.08	0.88	0.32	0.66	0.73	1.18	0.83	2.25
5	29	0.21	0.58	0.56	0.72	0.32	2.54	0.7	2.88
5	30	0.14	0.69	0.41	0.44	0.88	2.74	1.08	2.88
5	31	0.08	0.67	0.25	2.14	0.47	2.57	0.56	1.14
5	32	0.1	0.99	0.16	0.56	0.52	0.77	0.27	2.49
5	33	0.13	0.66	0.27	0.84	1.51	1.21	1.82	2.26
5	34	0.22	0.89	0.21	0.66	0.2	0.42	0.2	0.38
5	35	0.6	0.6	0.67	0.91	1	2.64	0.53	2.77
6A	36	0.16	0.68	0.38	1.08	0.44	0.68	0.38	1.1
6A	37	0.11	0.88	0.18	0.46	0.34	0.57	0.87	1.75
6B	39	0.1	2.06	0.11	0.45	0.17	0.54	0.11	0.39
6B	40	0.1	0.99	0.55	1.1	2.78	10.5	3.8	9.15
6B	41	0.1	0.86	0.25	0.54	0.38	0.49	0.77	0.76
6B	42	0.17	0.95	0.75	2.91	3.94	4.64	17	8.24
6B	43	0.25	1.01	0.42	0.85	0.67	0.74	0.83	2.3
Correlation		-0.19		0.22		0.66		0.71	