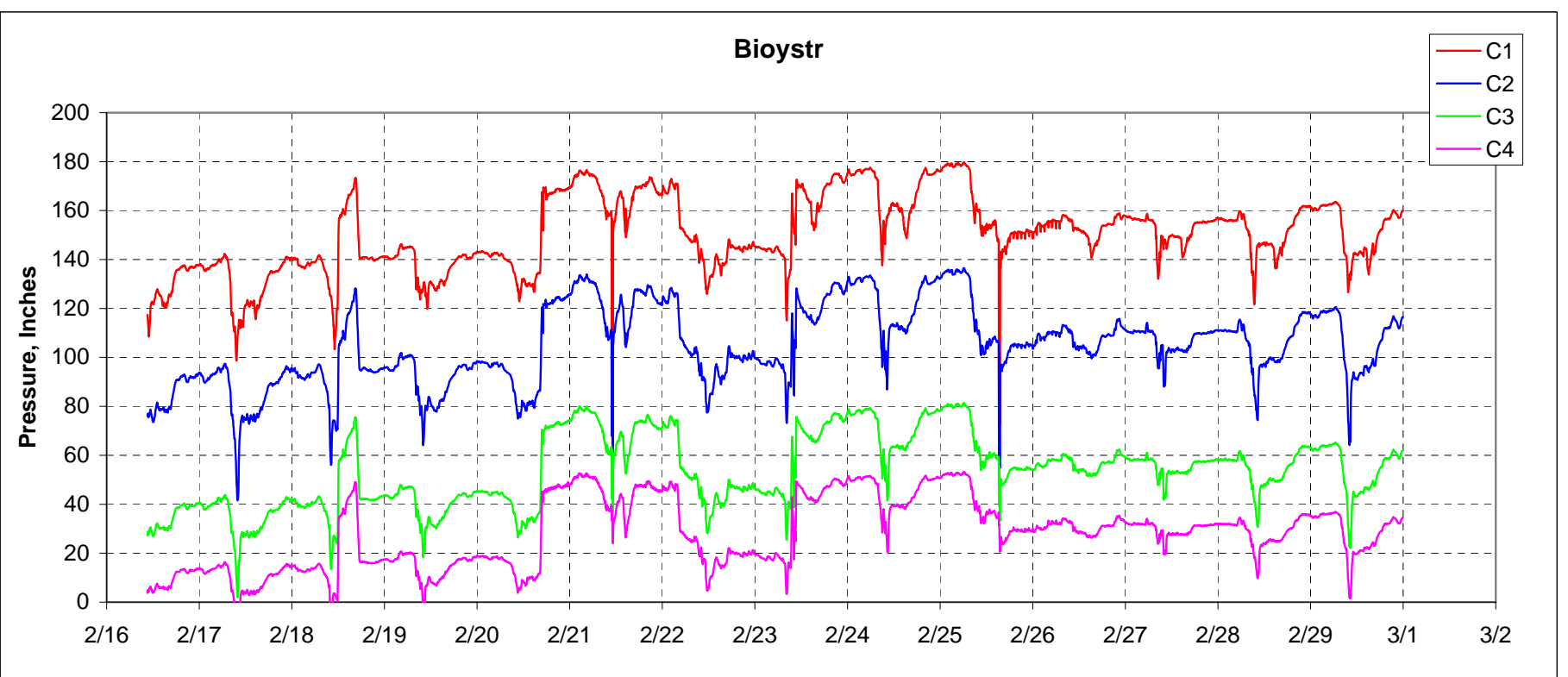
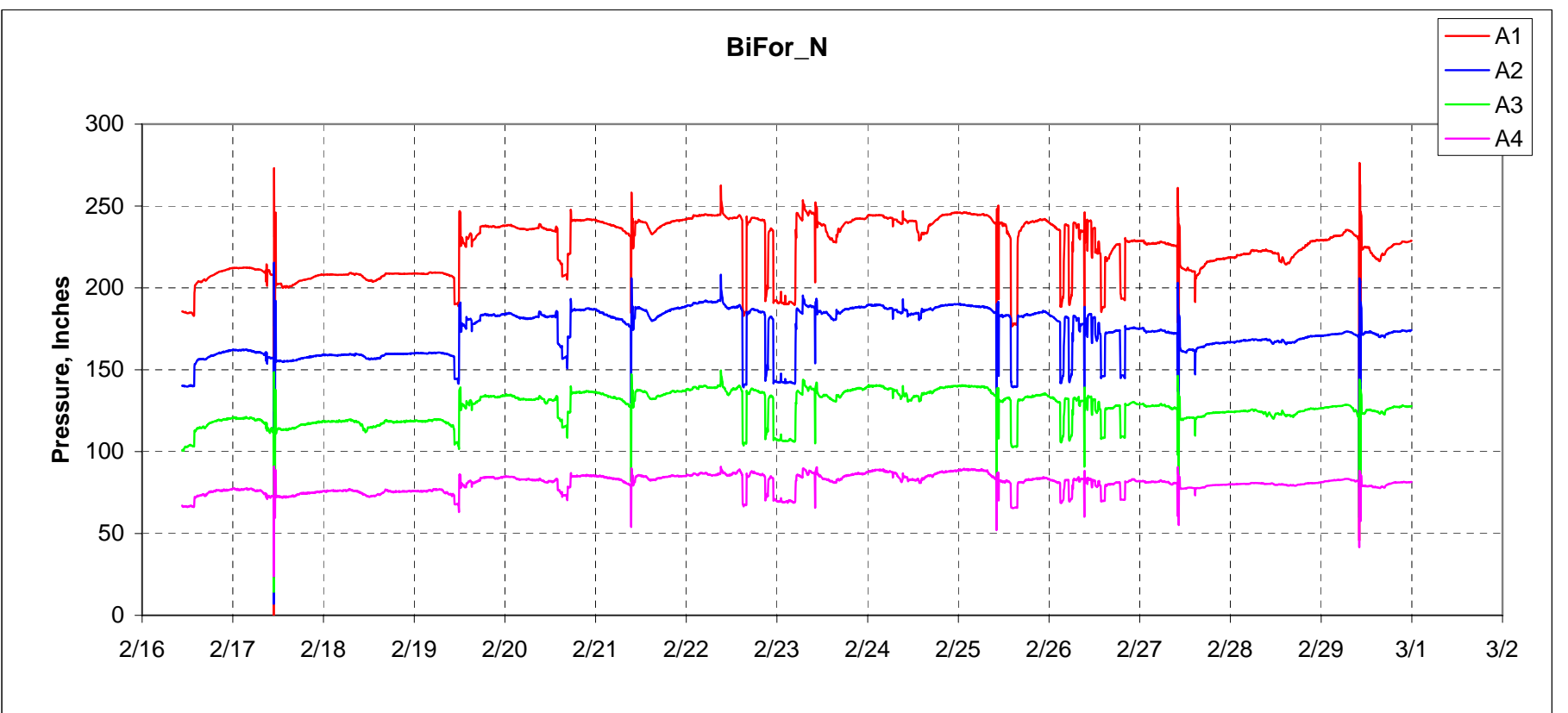
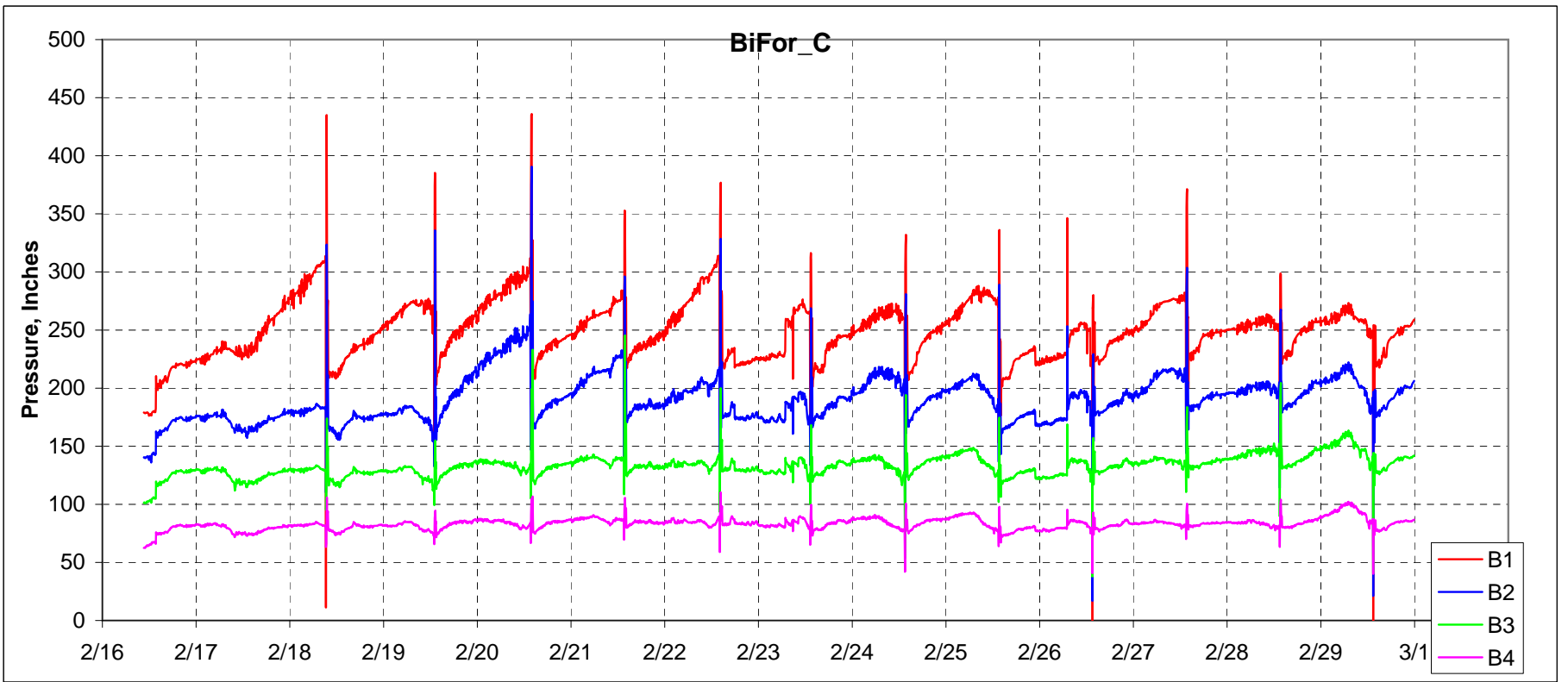
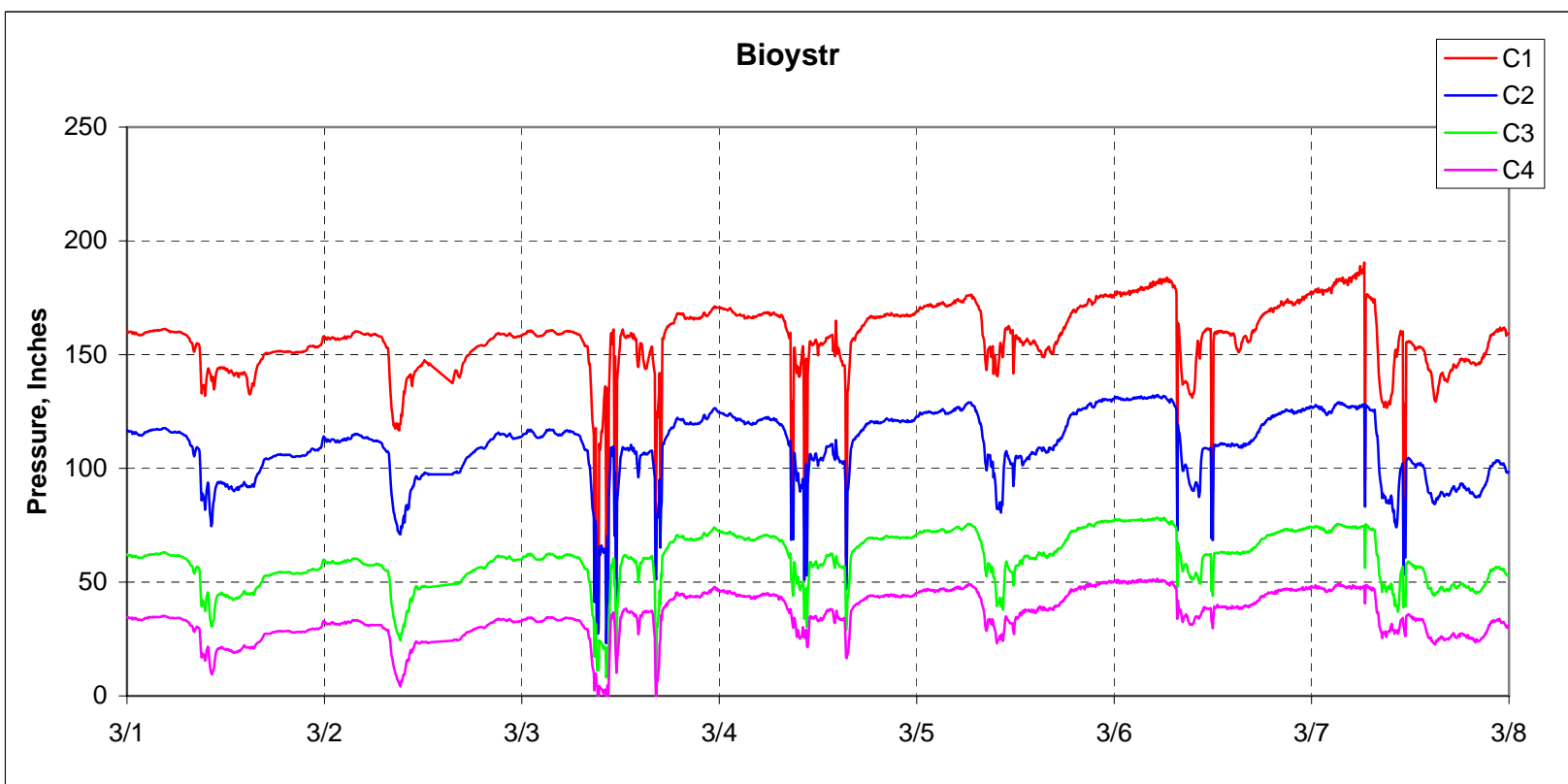
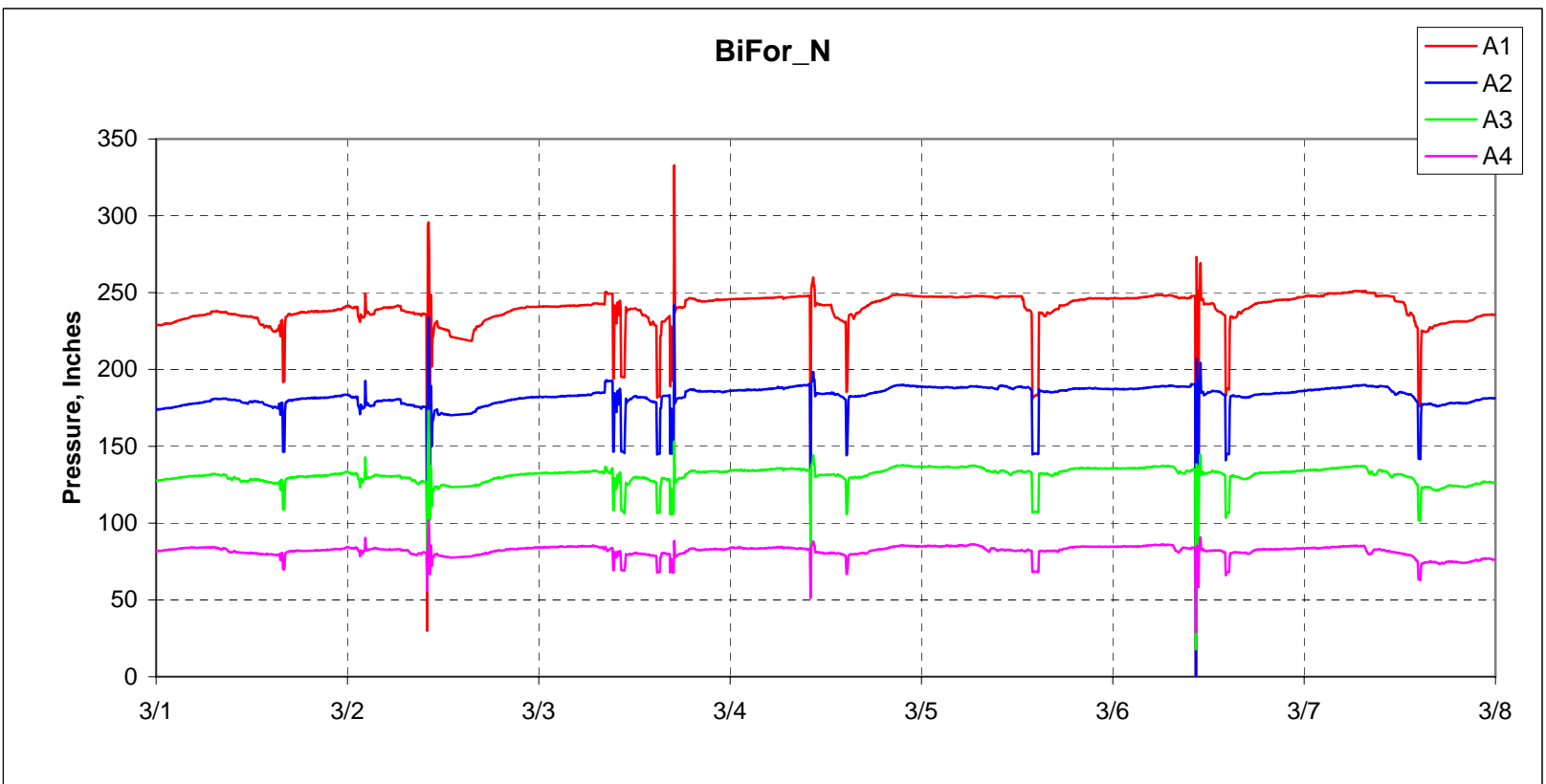
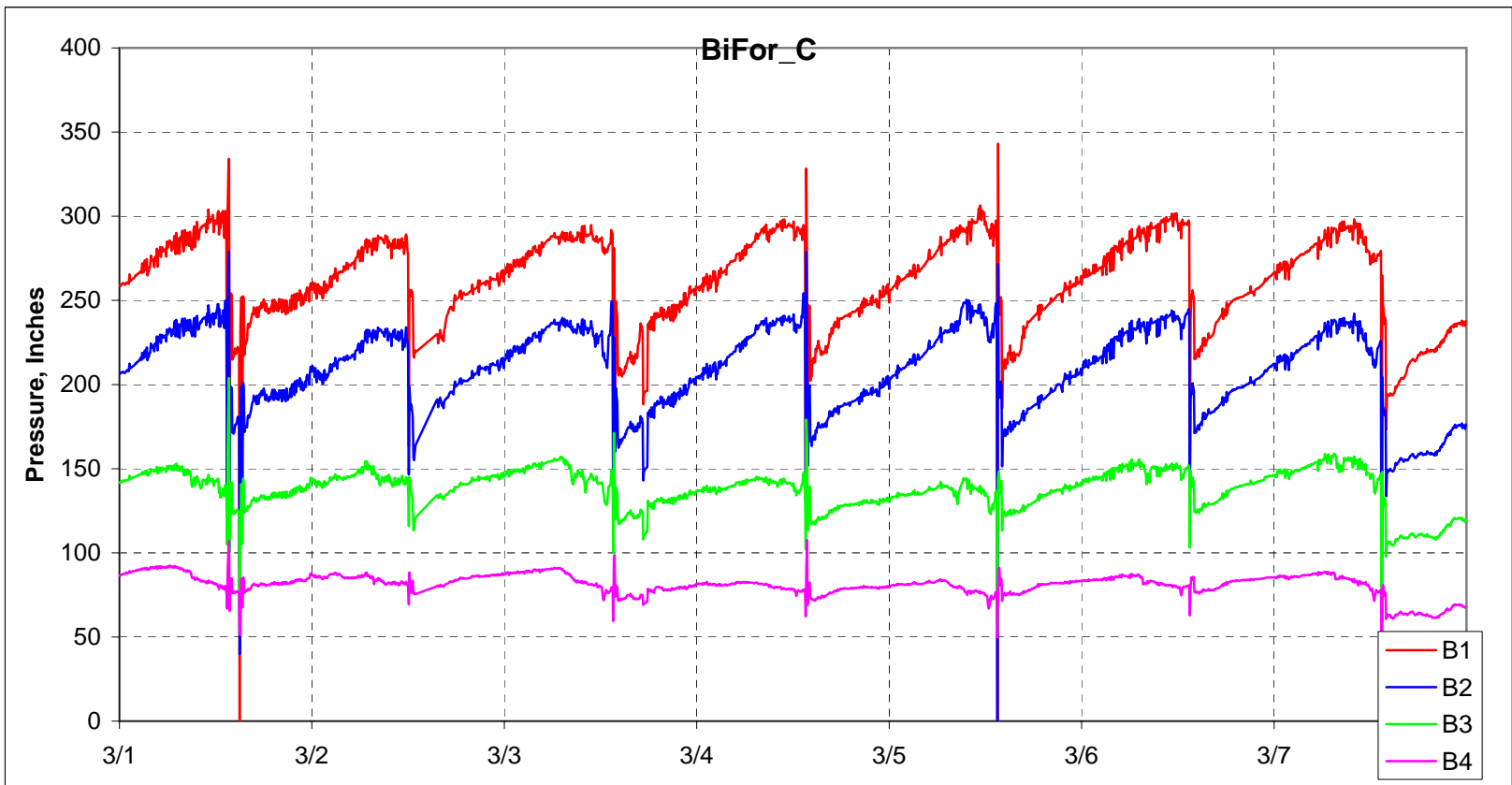


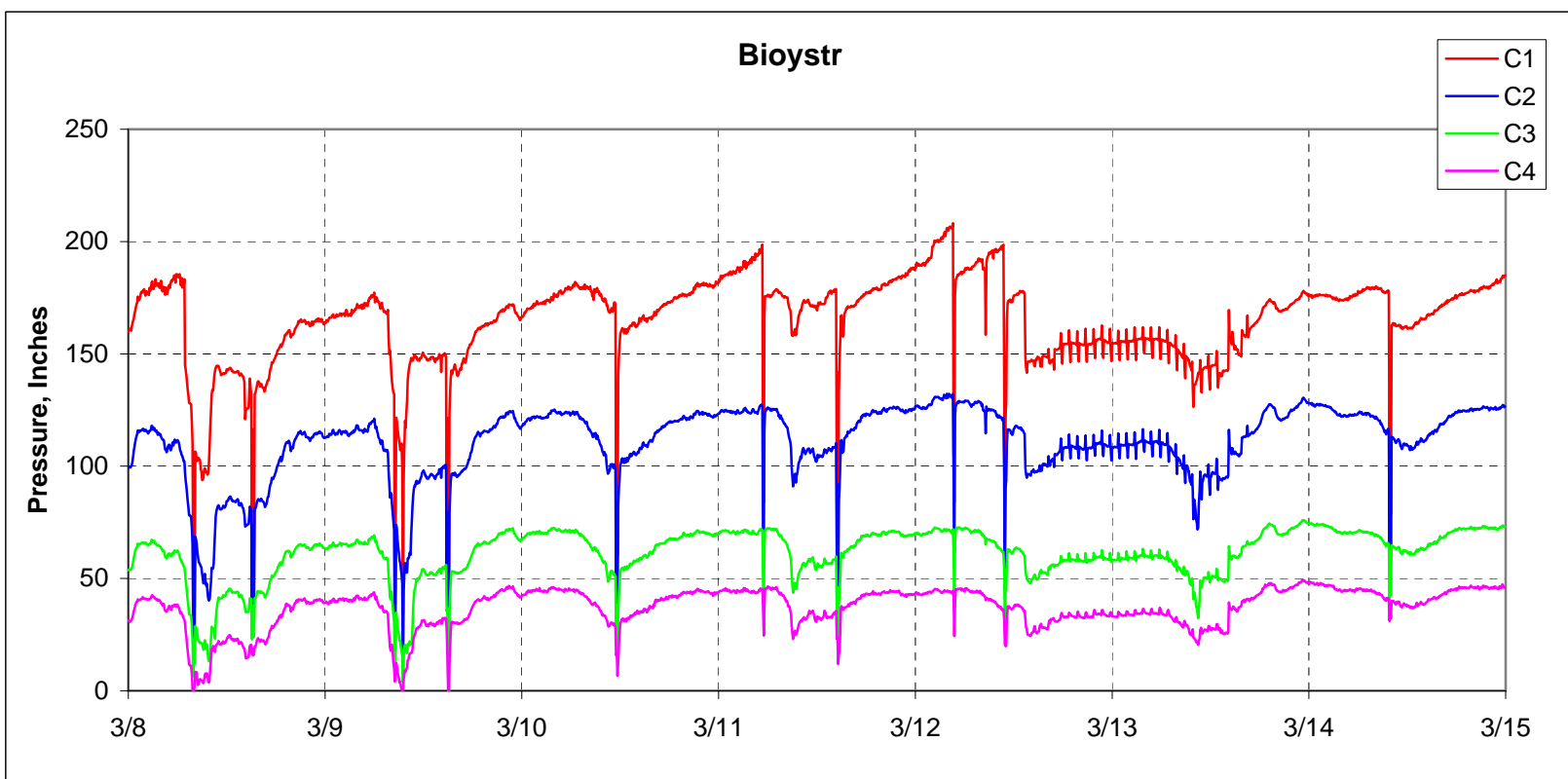
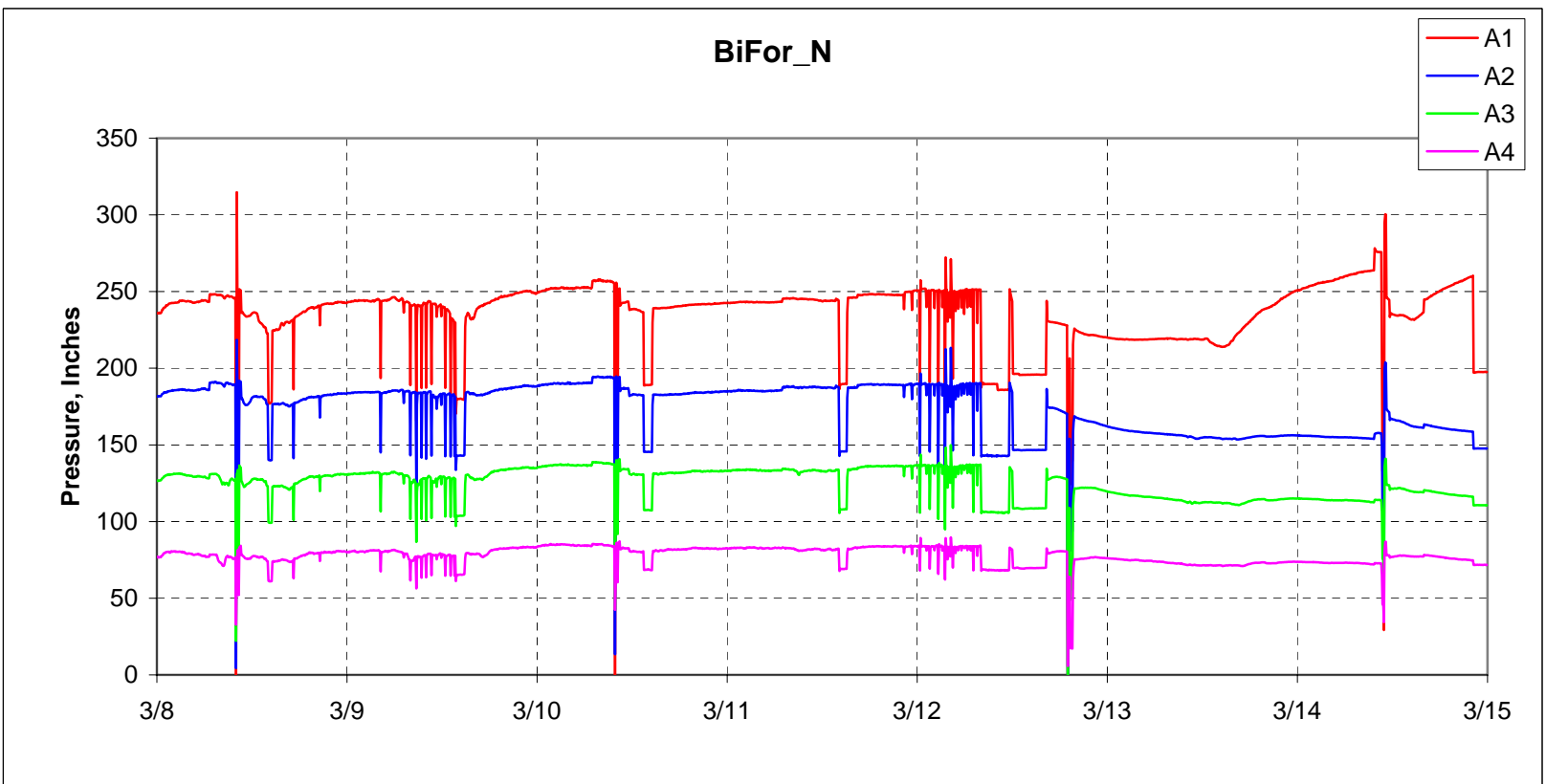
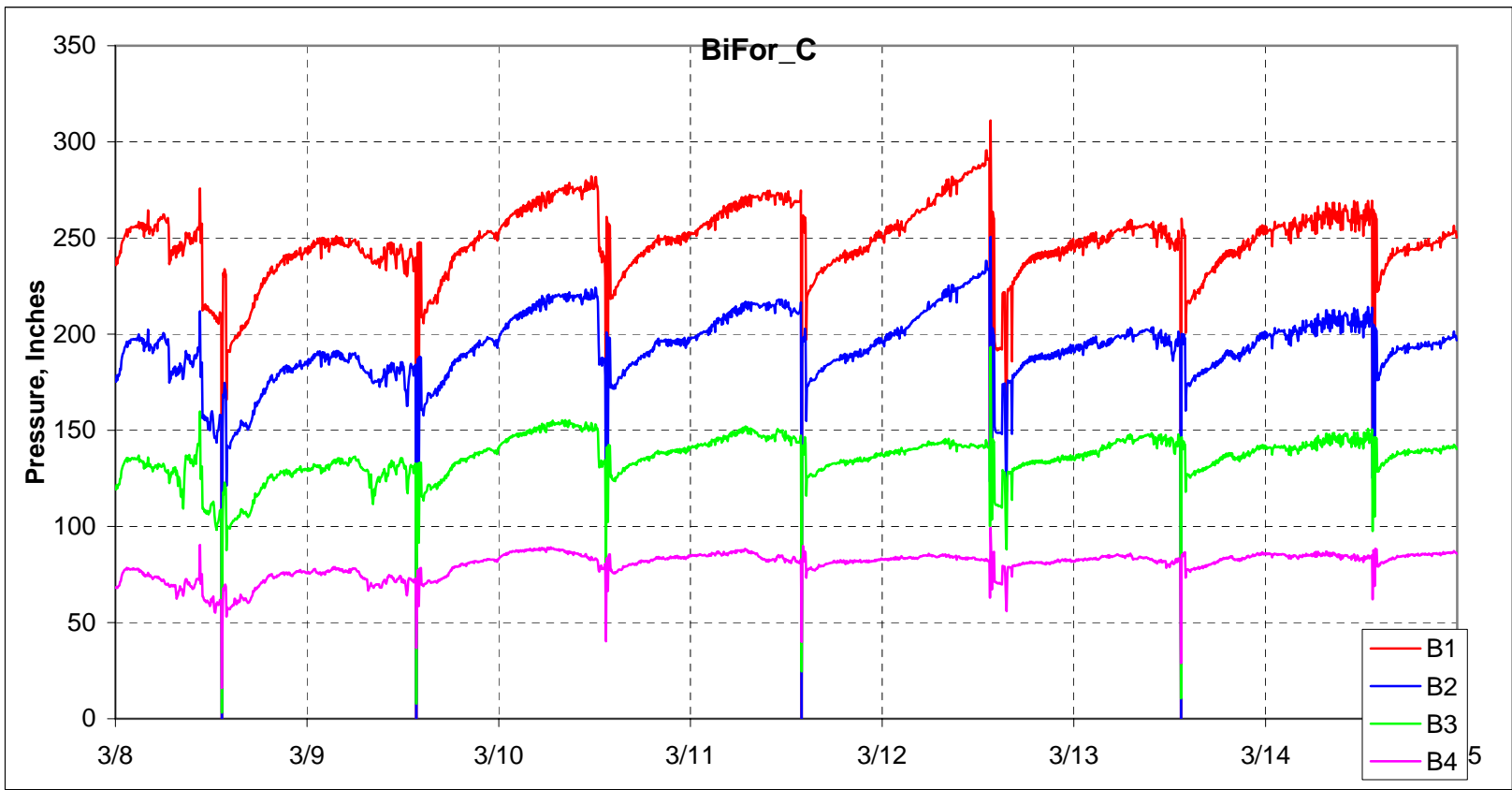
WEEK 1



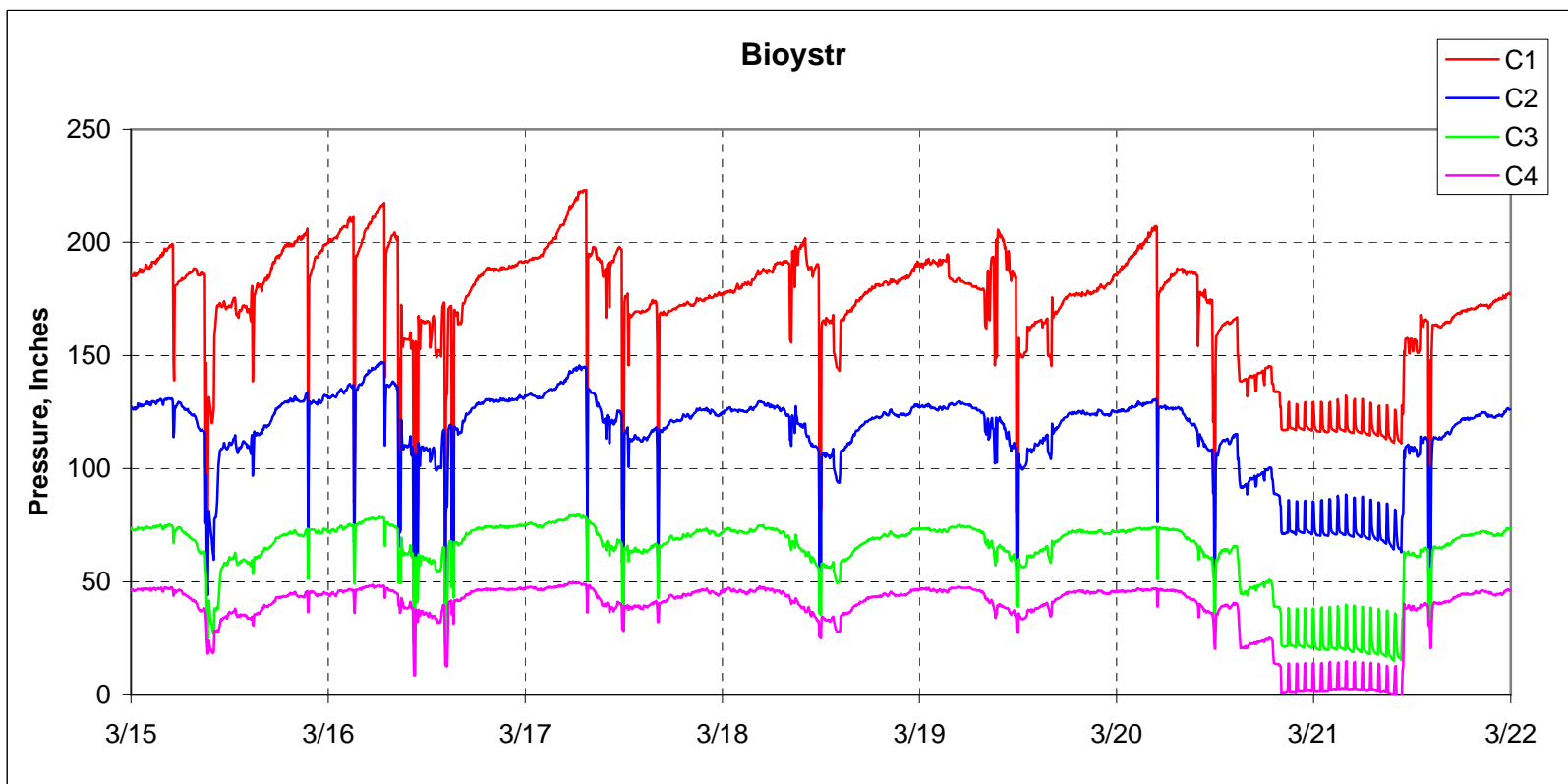
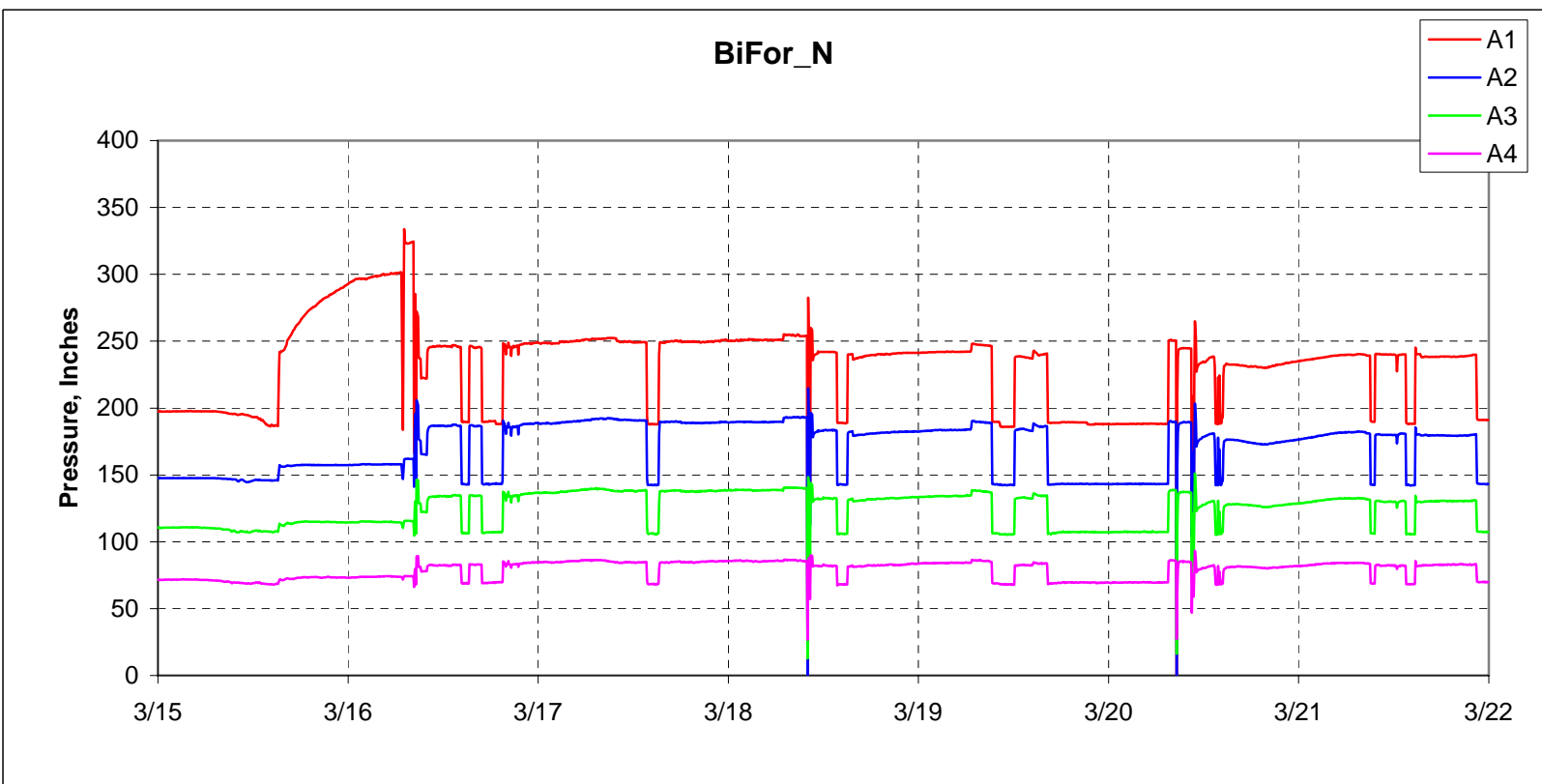
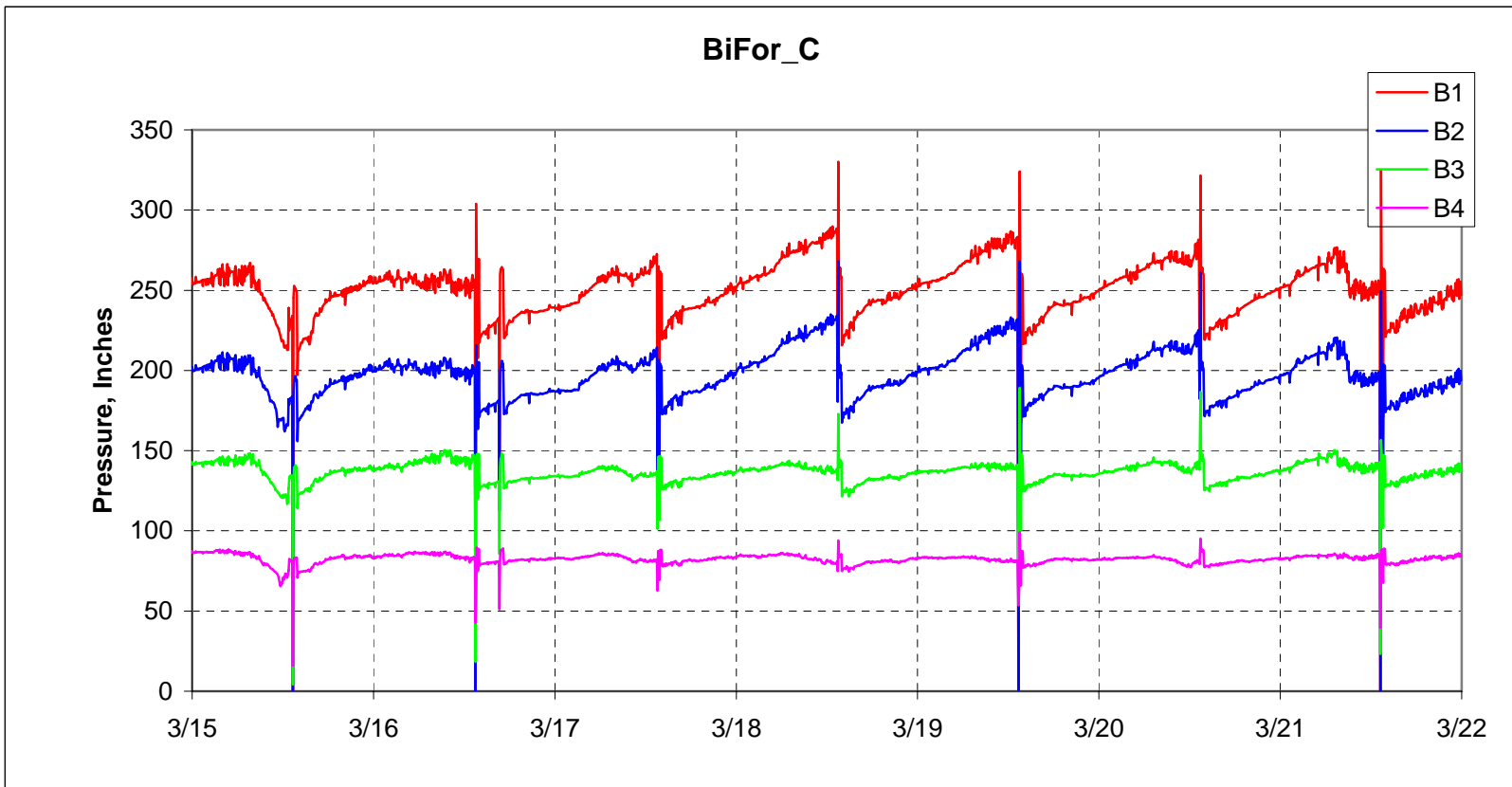
WEEK 2



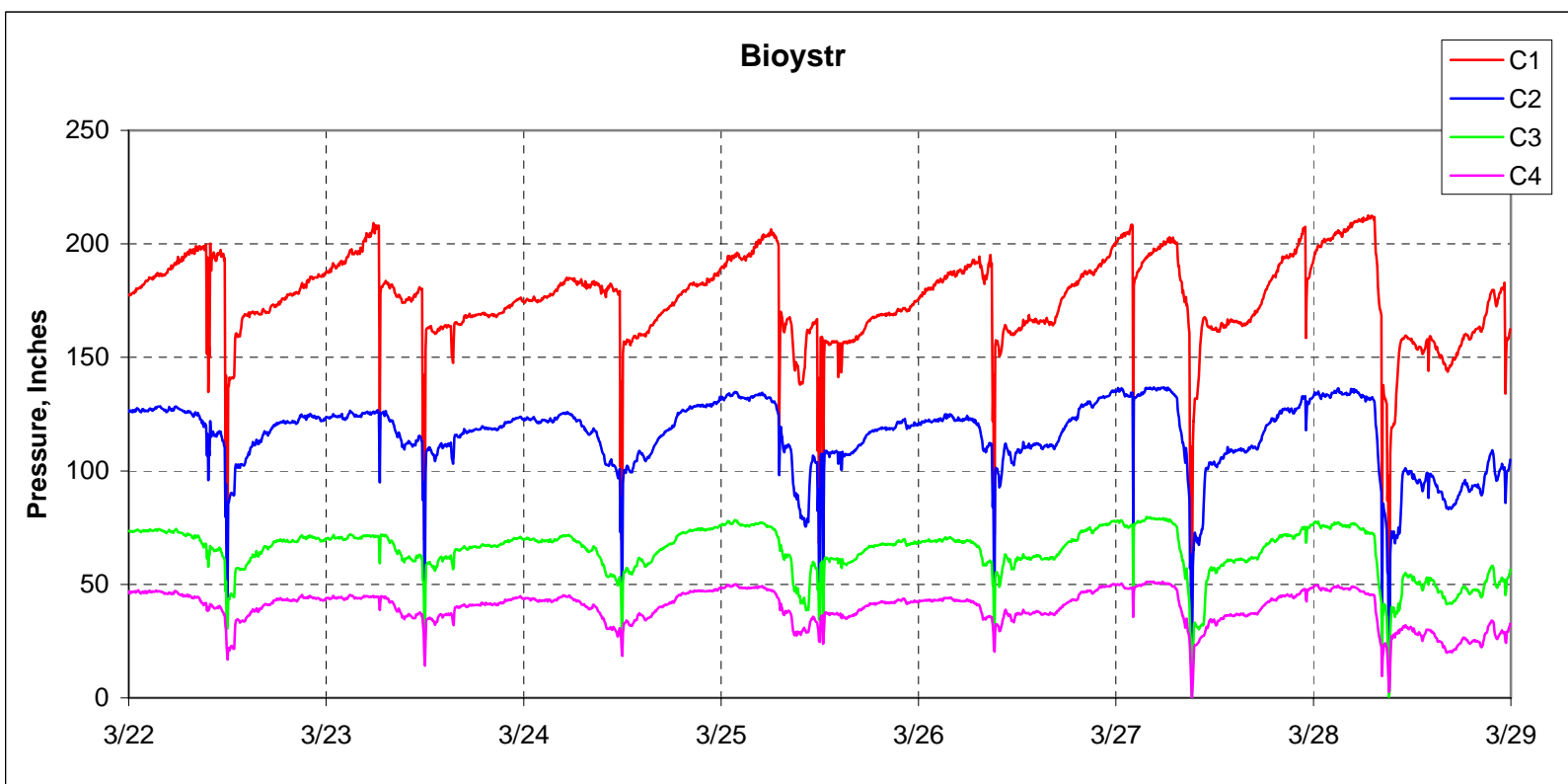
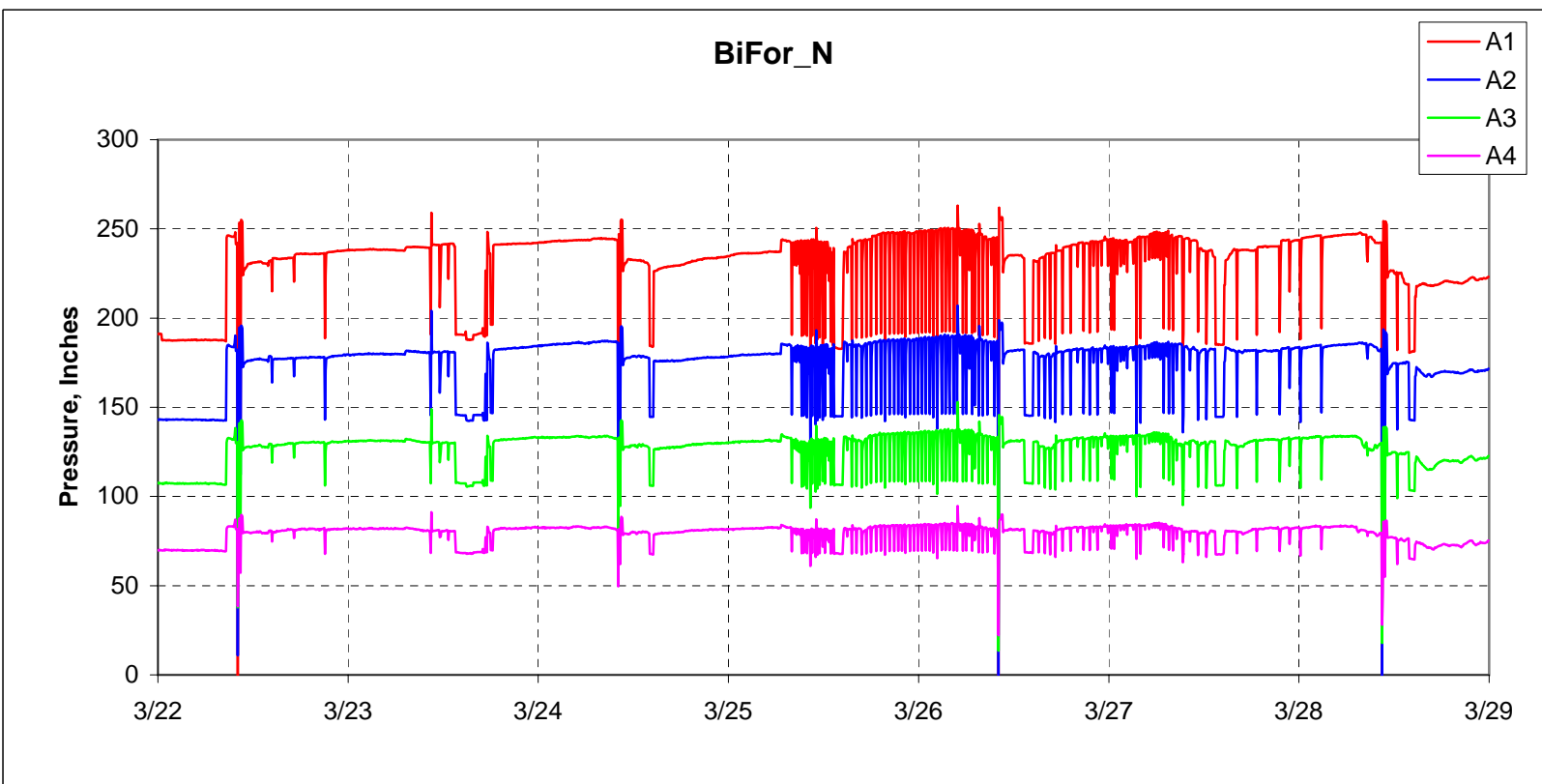
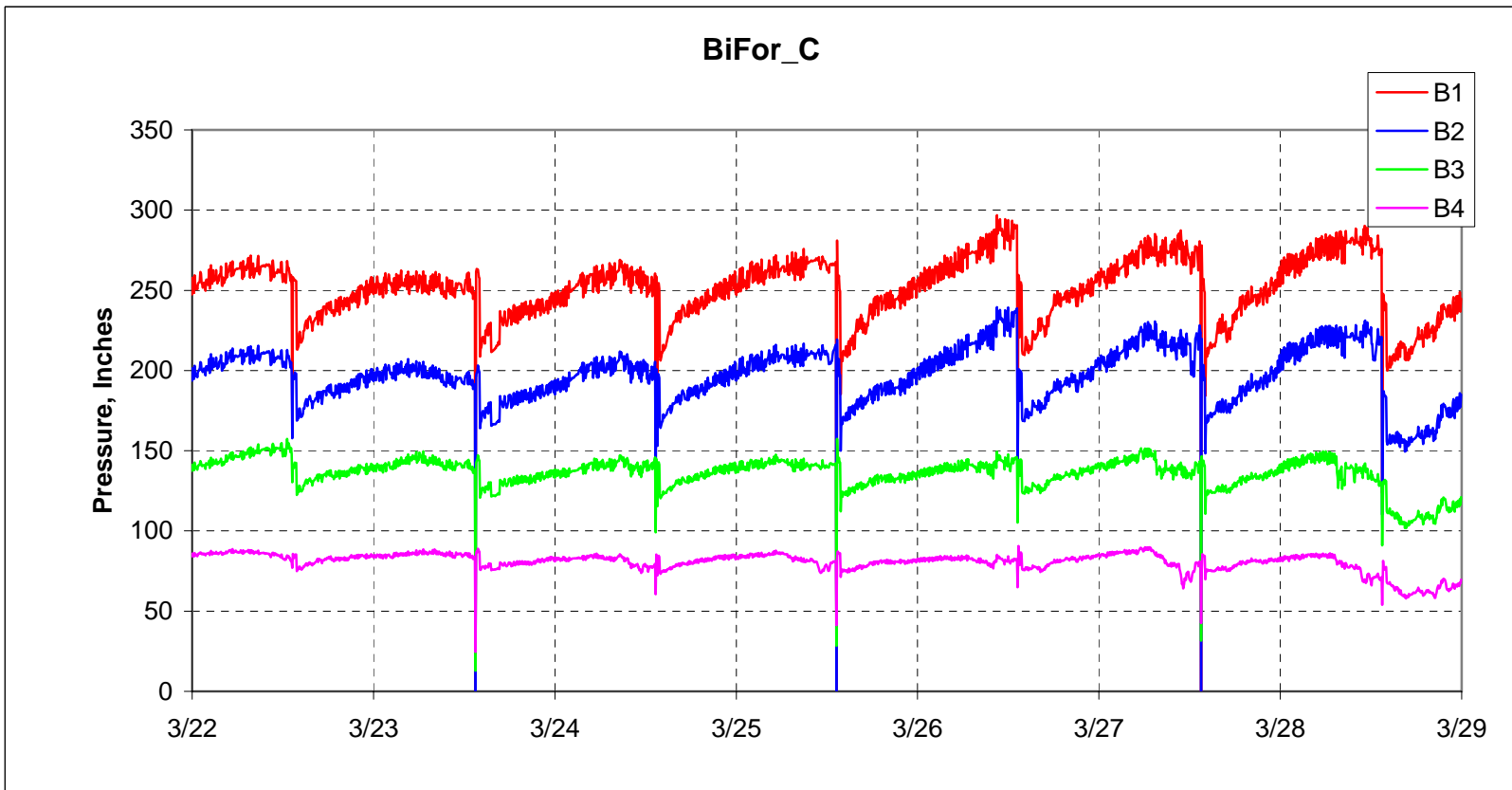
WEEK 3



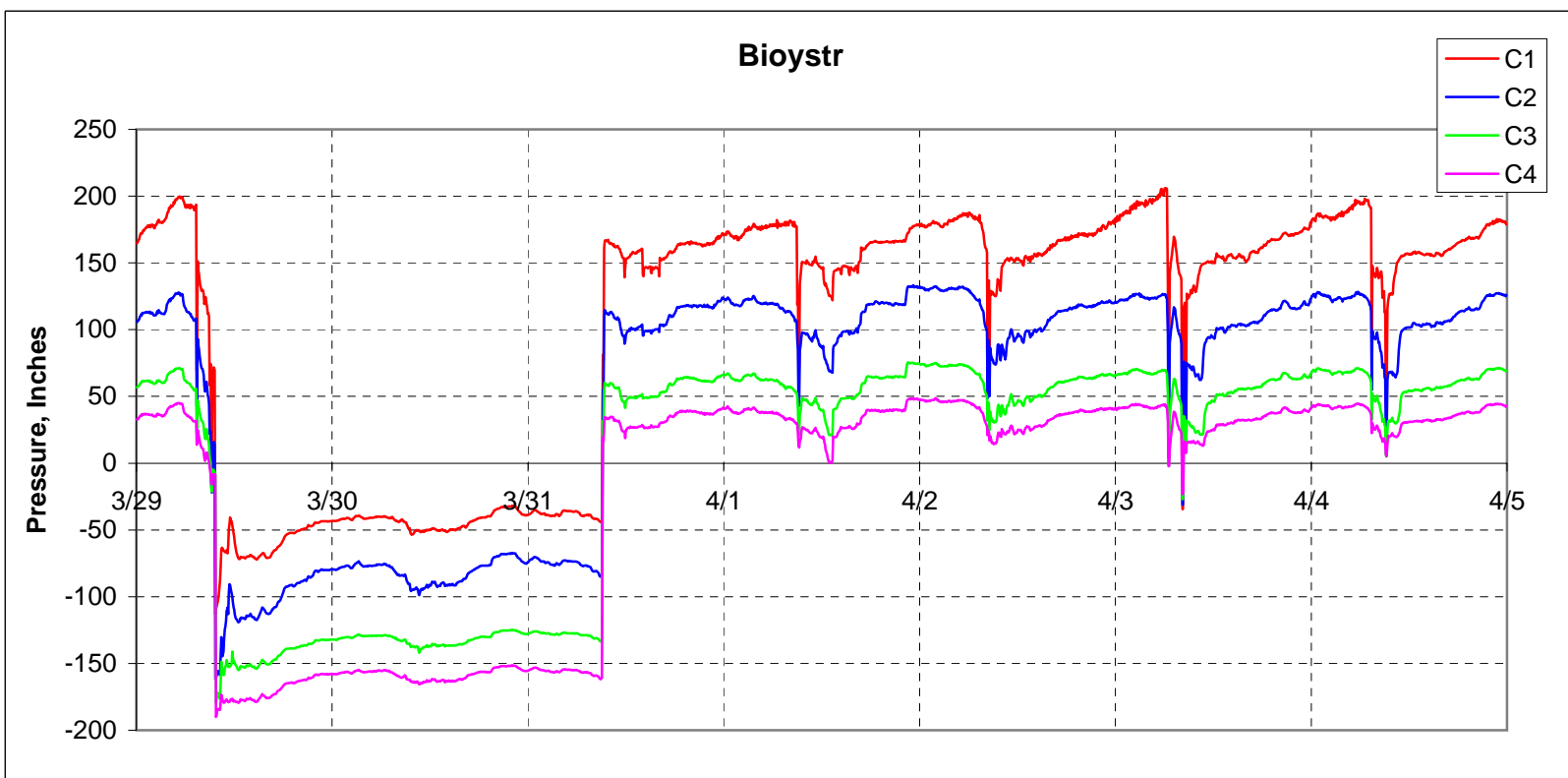
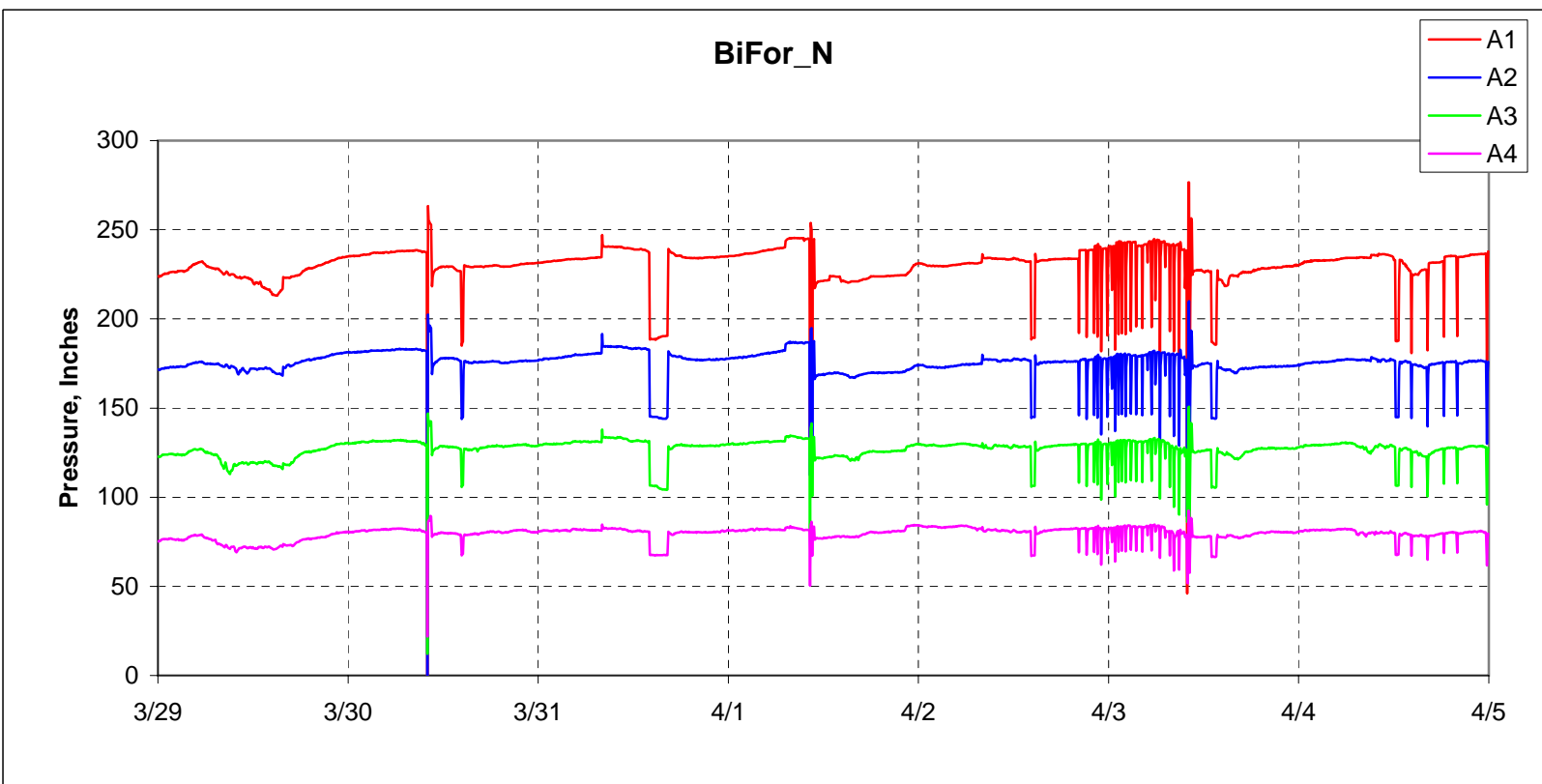
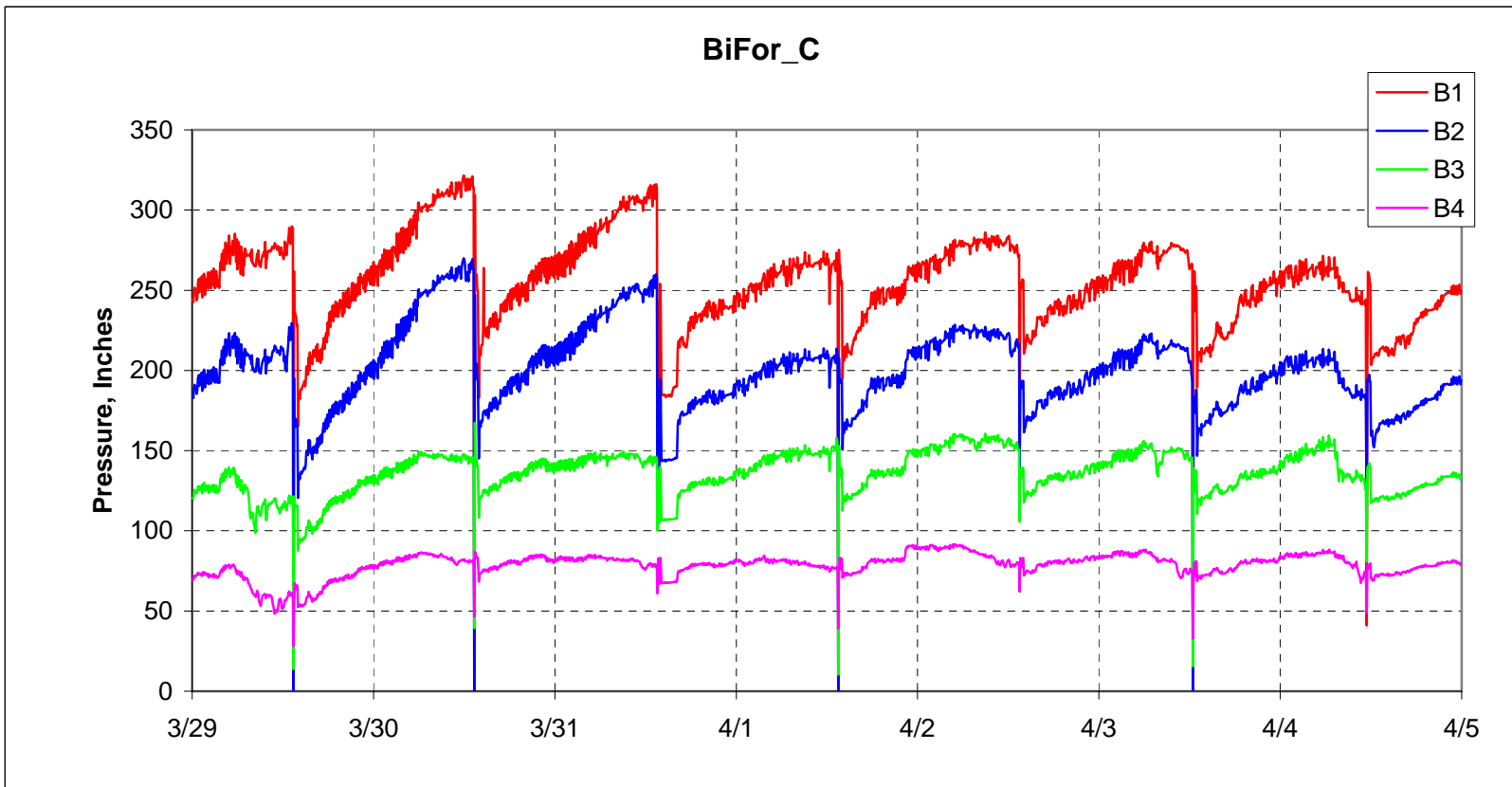
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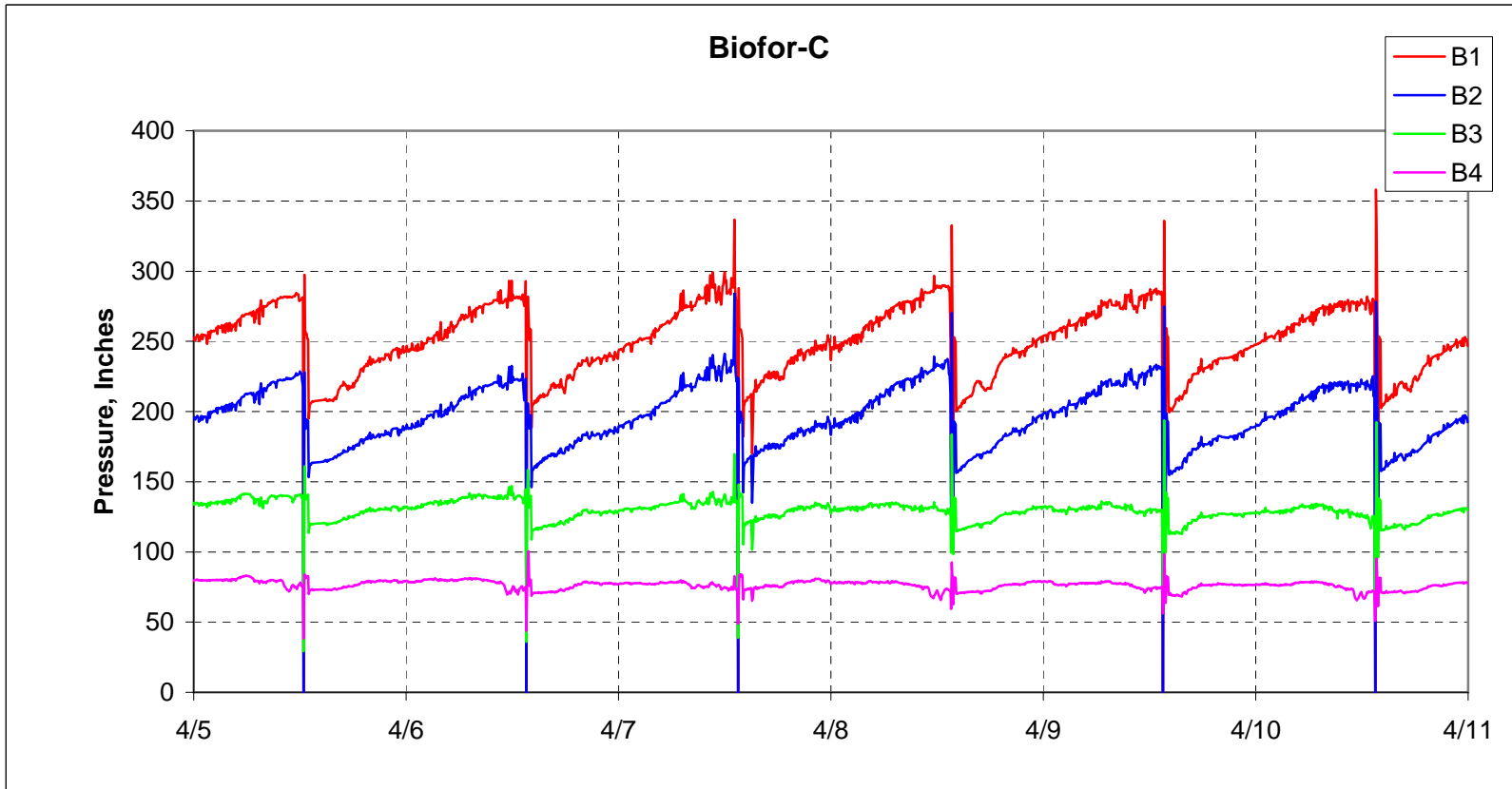
WEEK 5



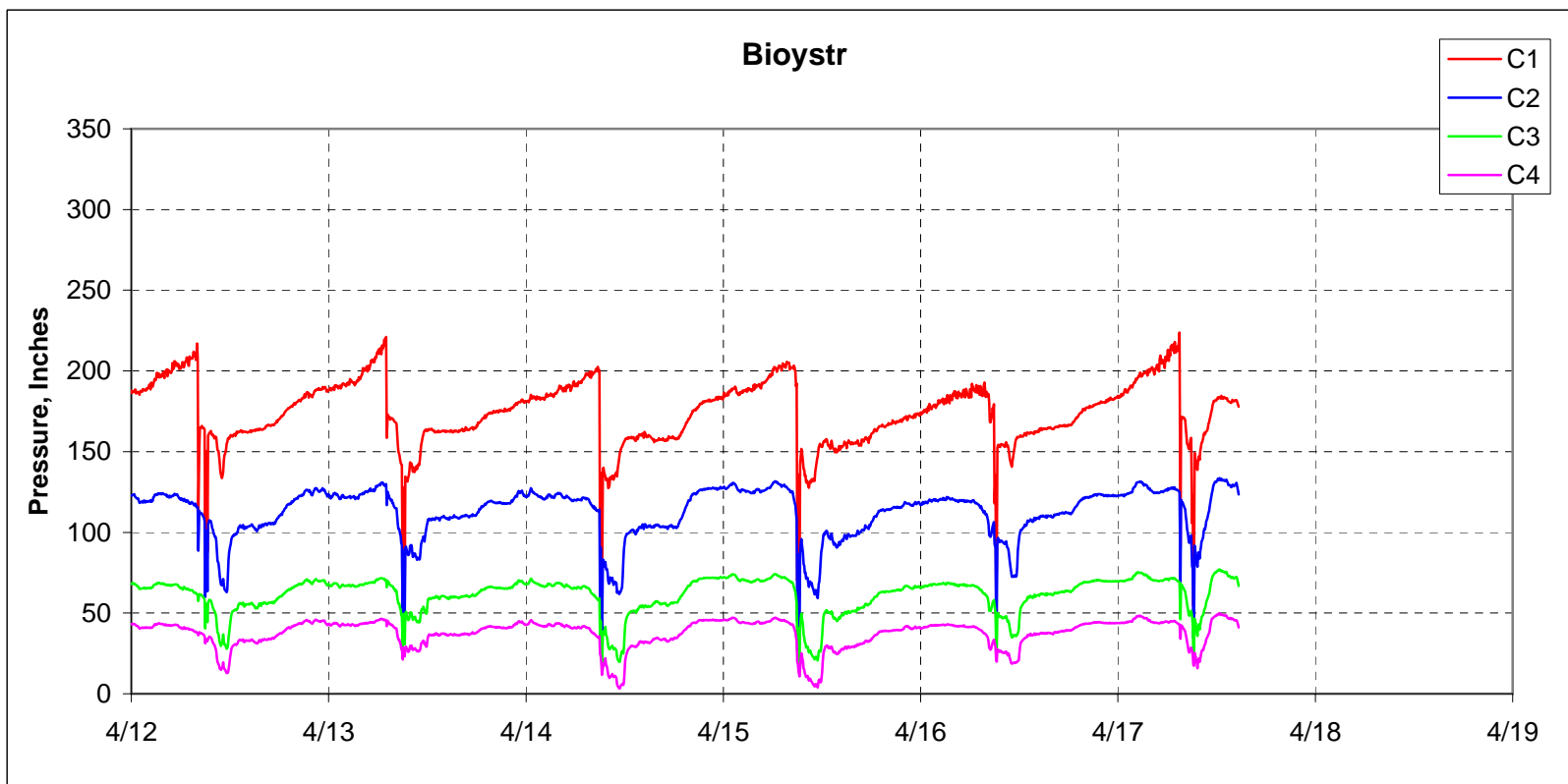
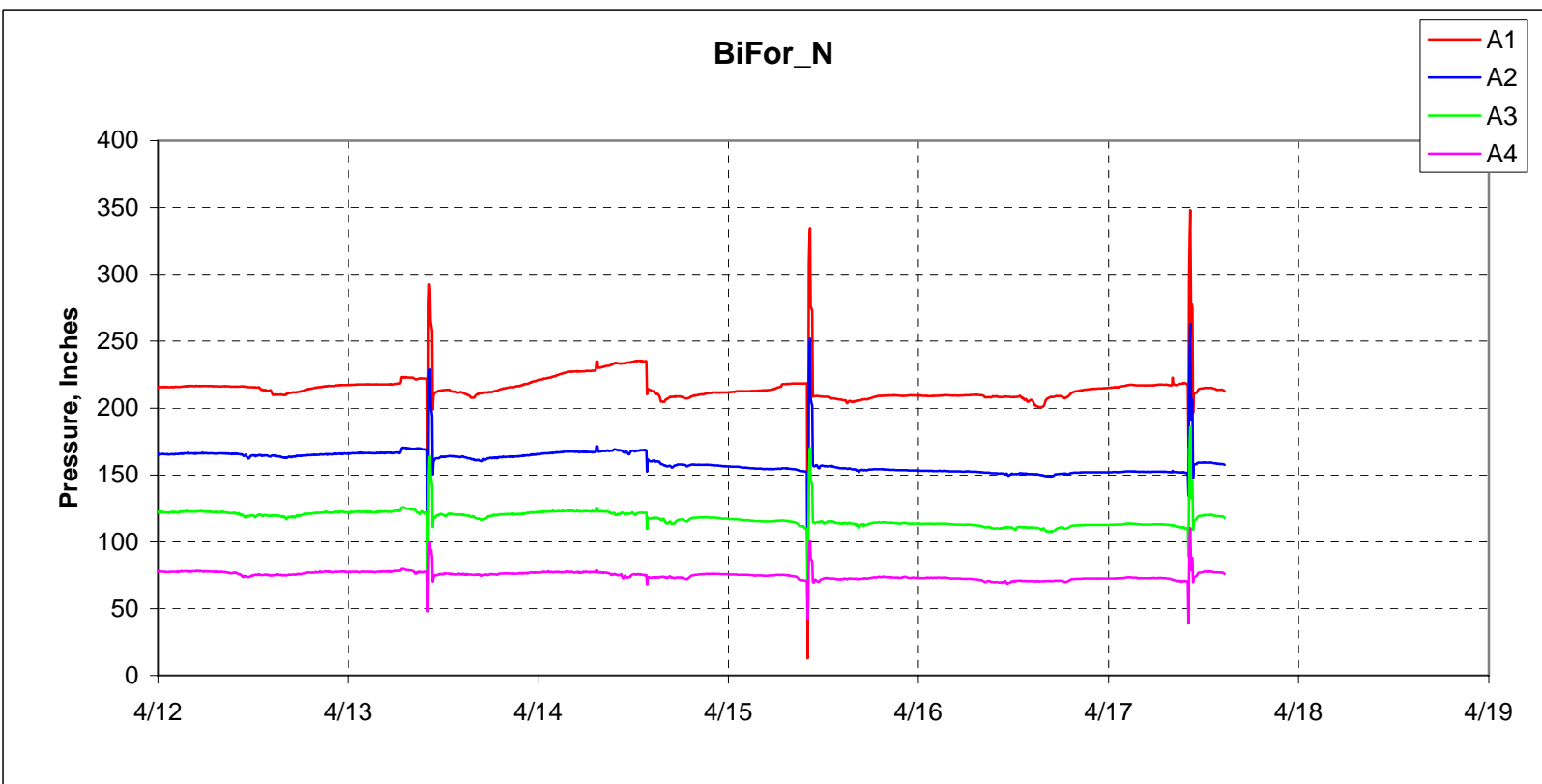
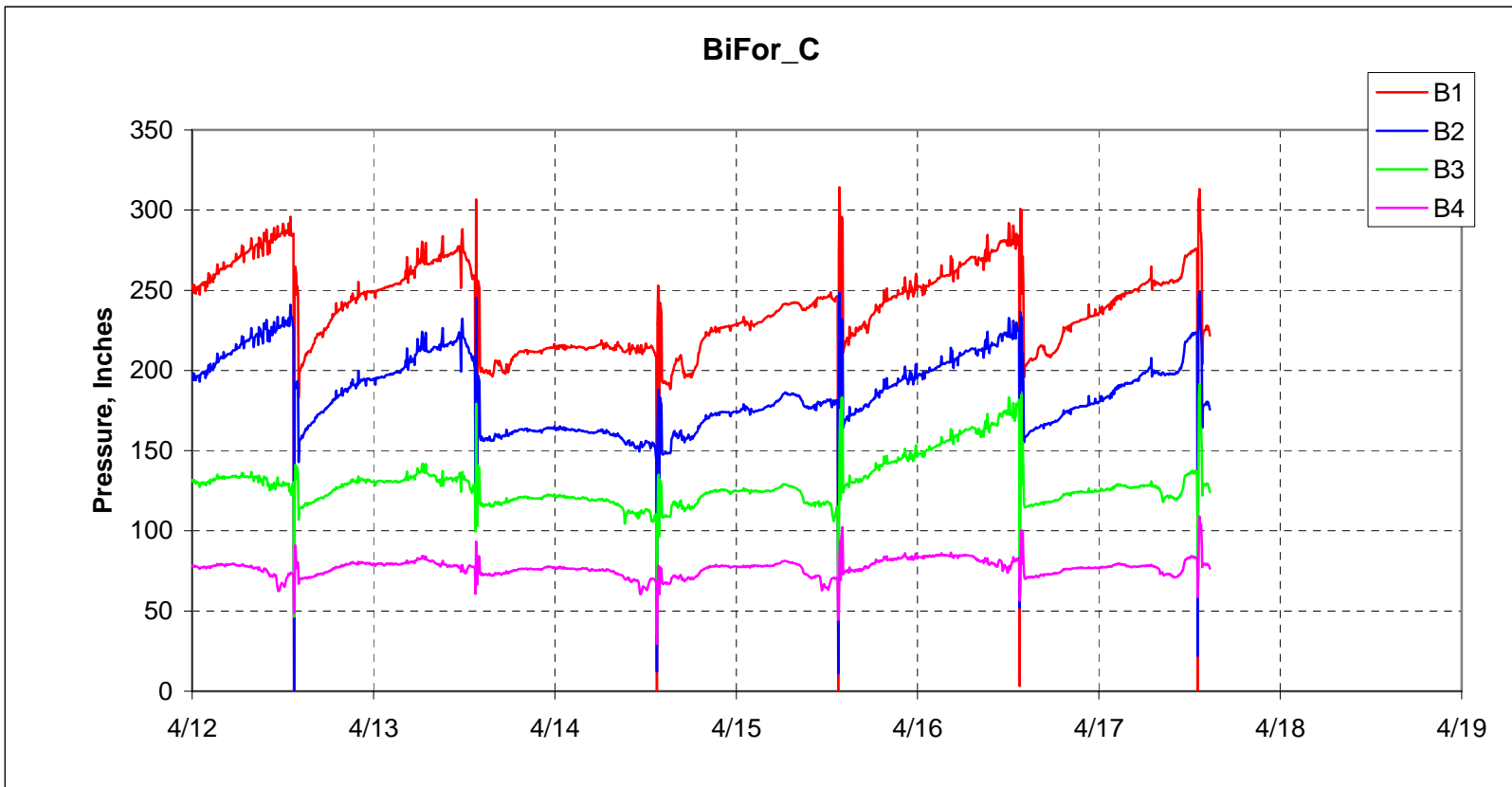
WEEK 6



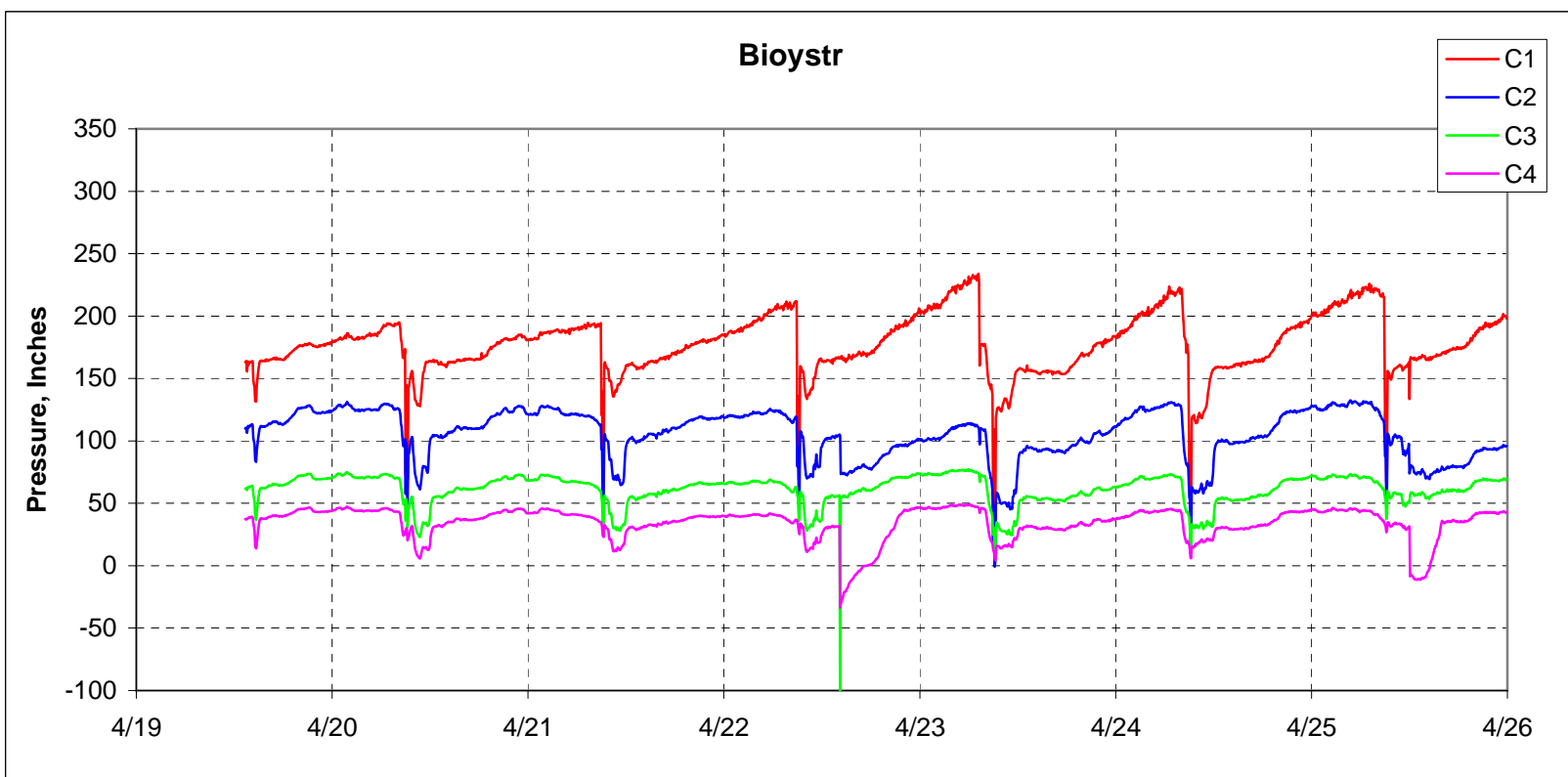
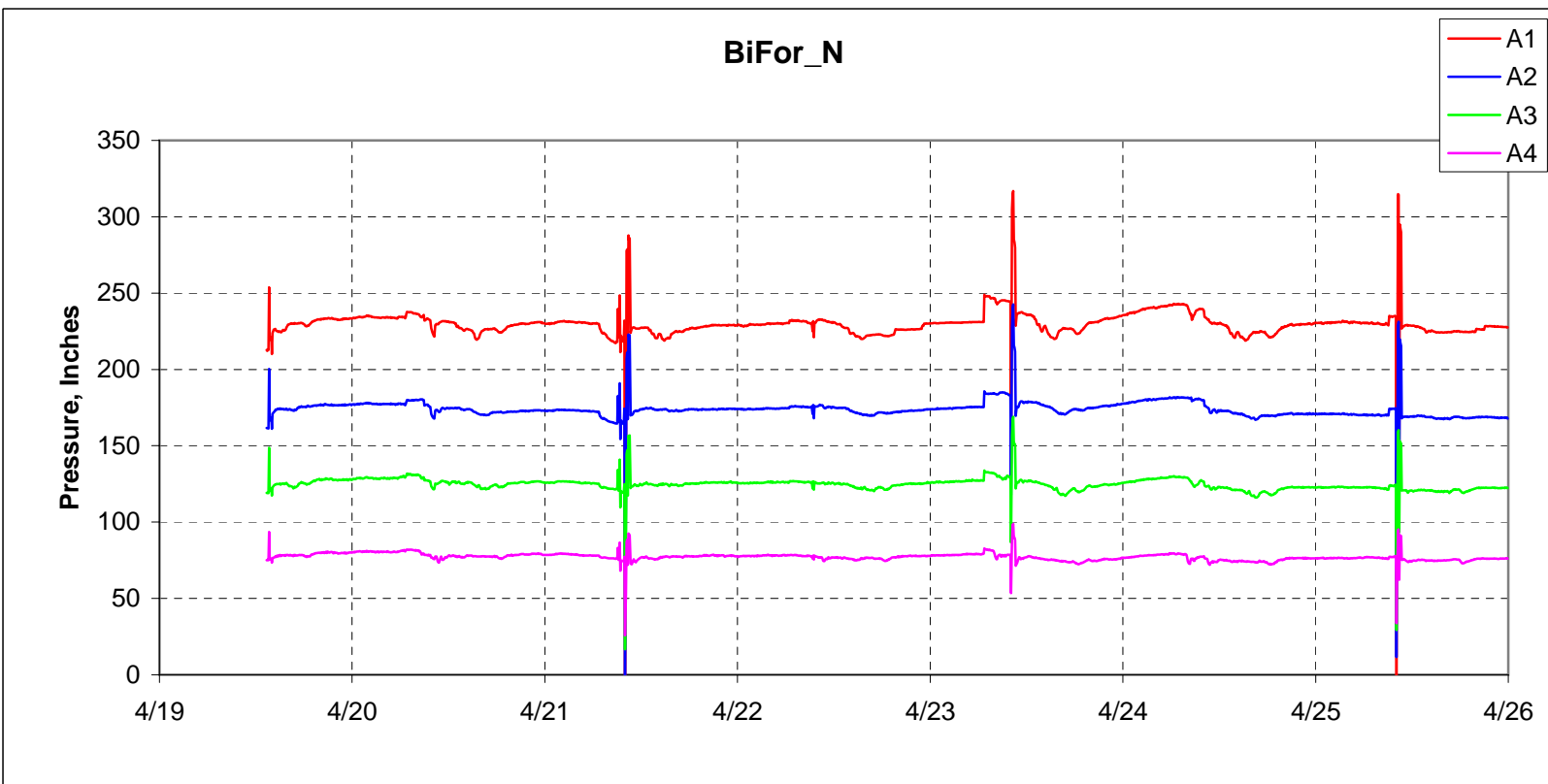
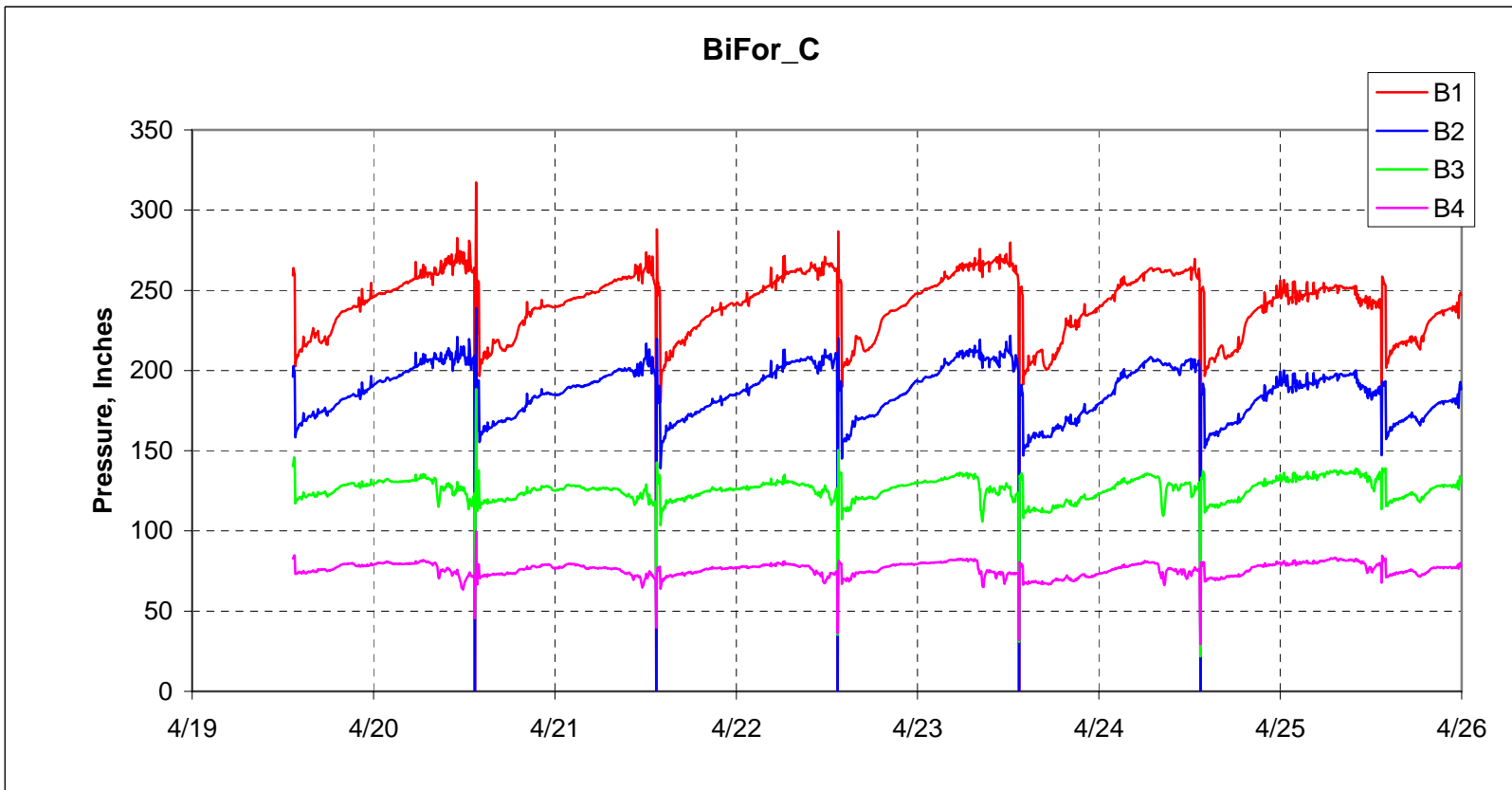
WEEK 7



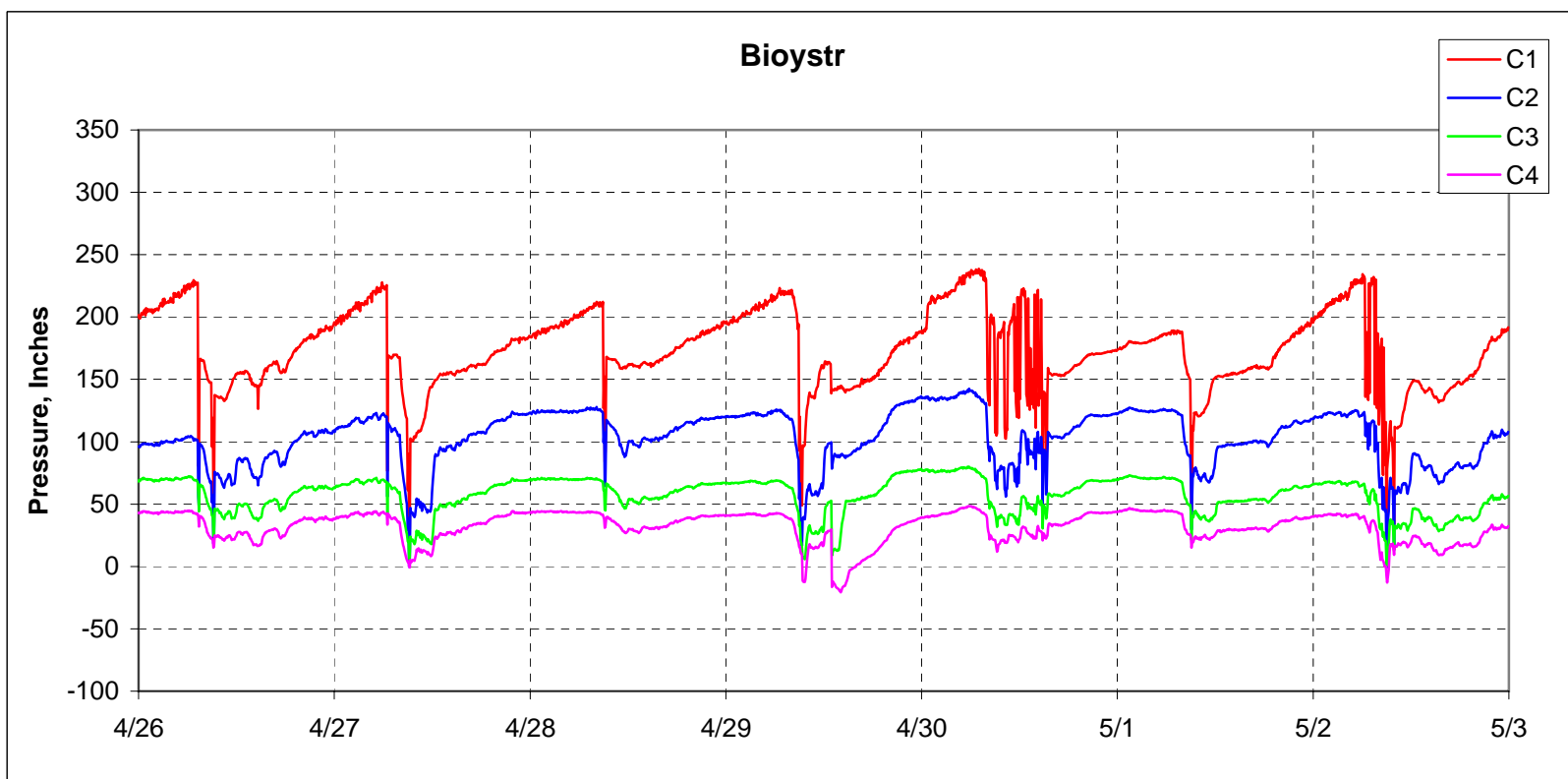
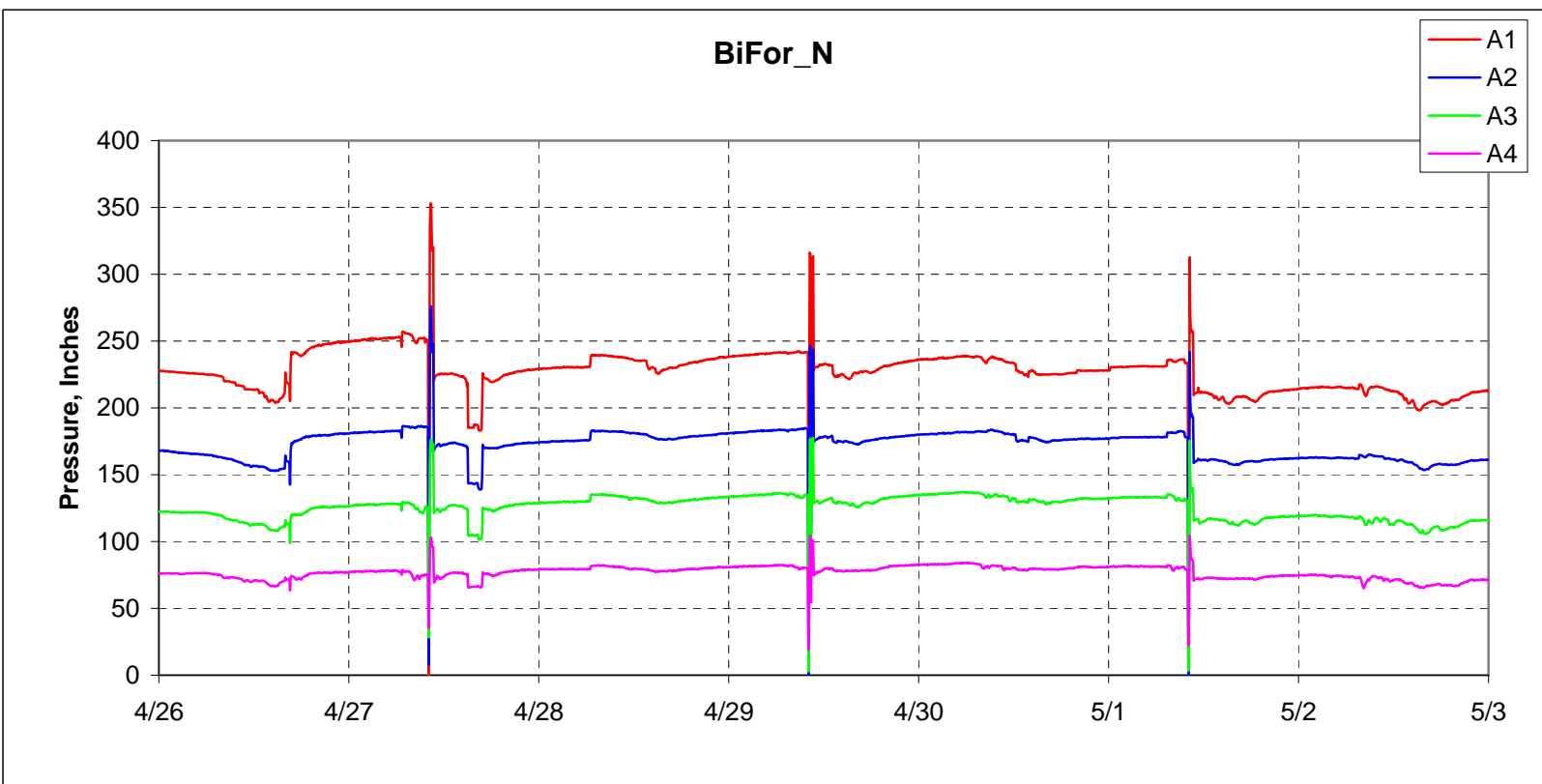
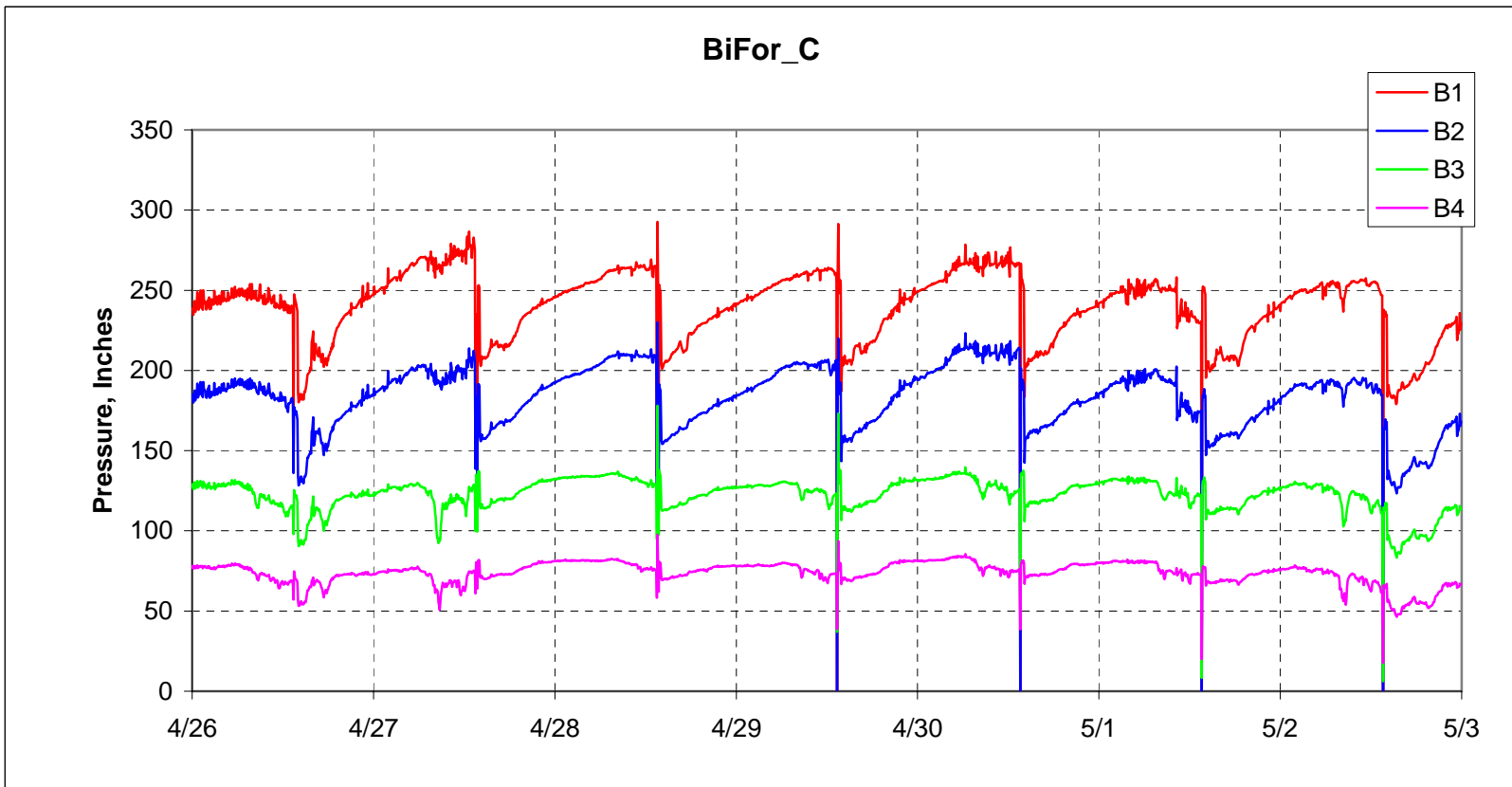
WEEK 8



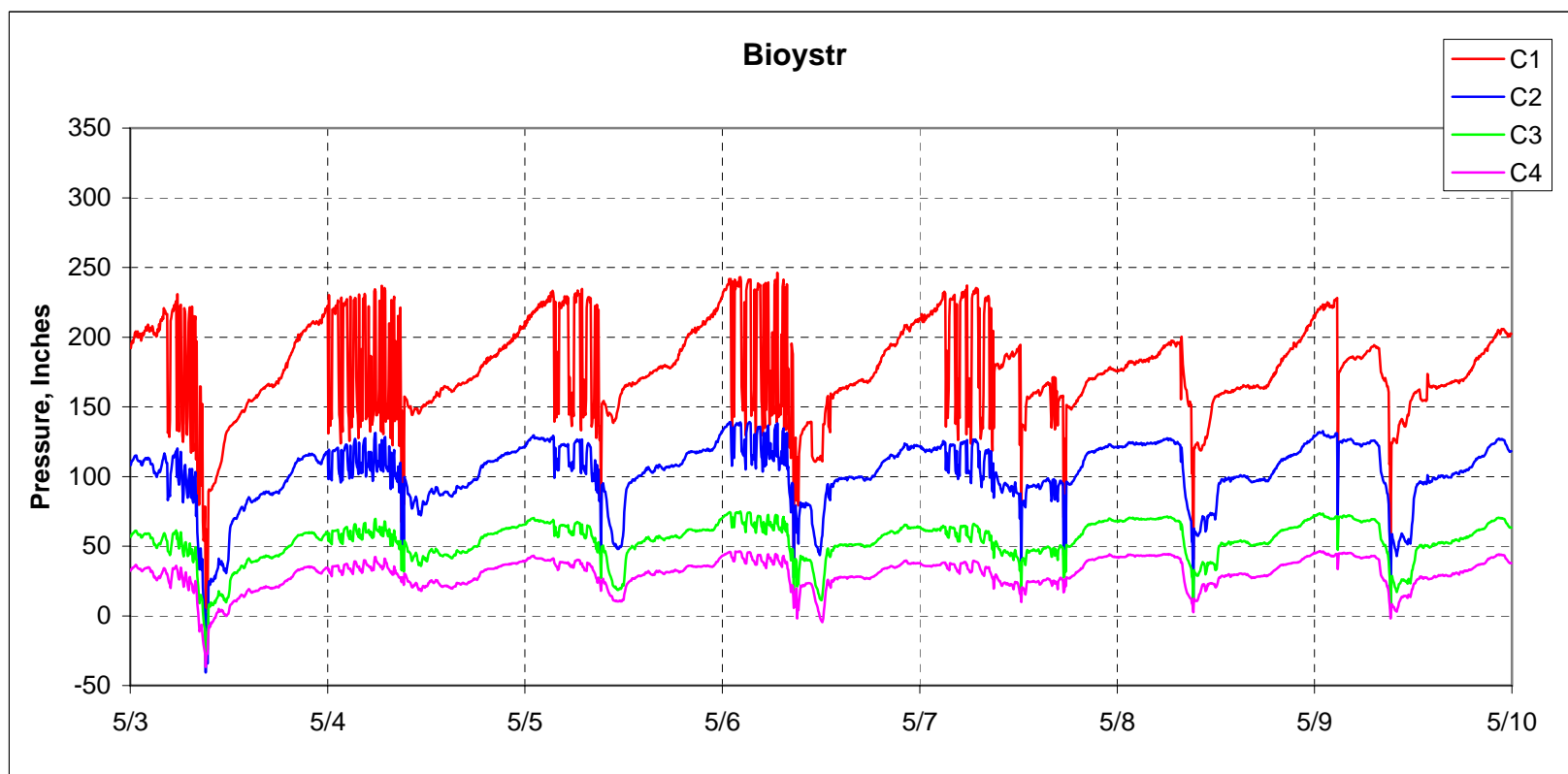
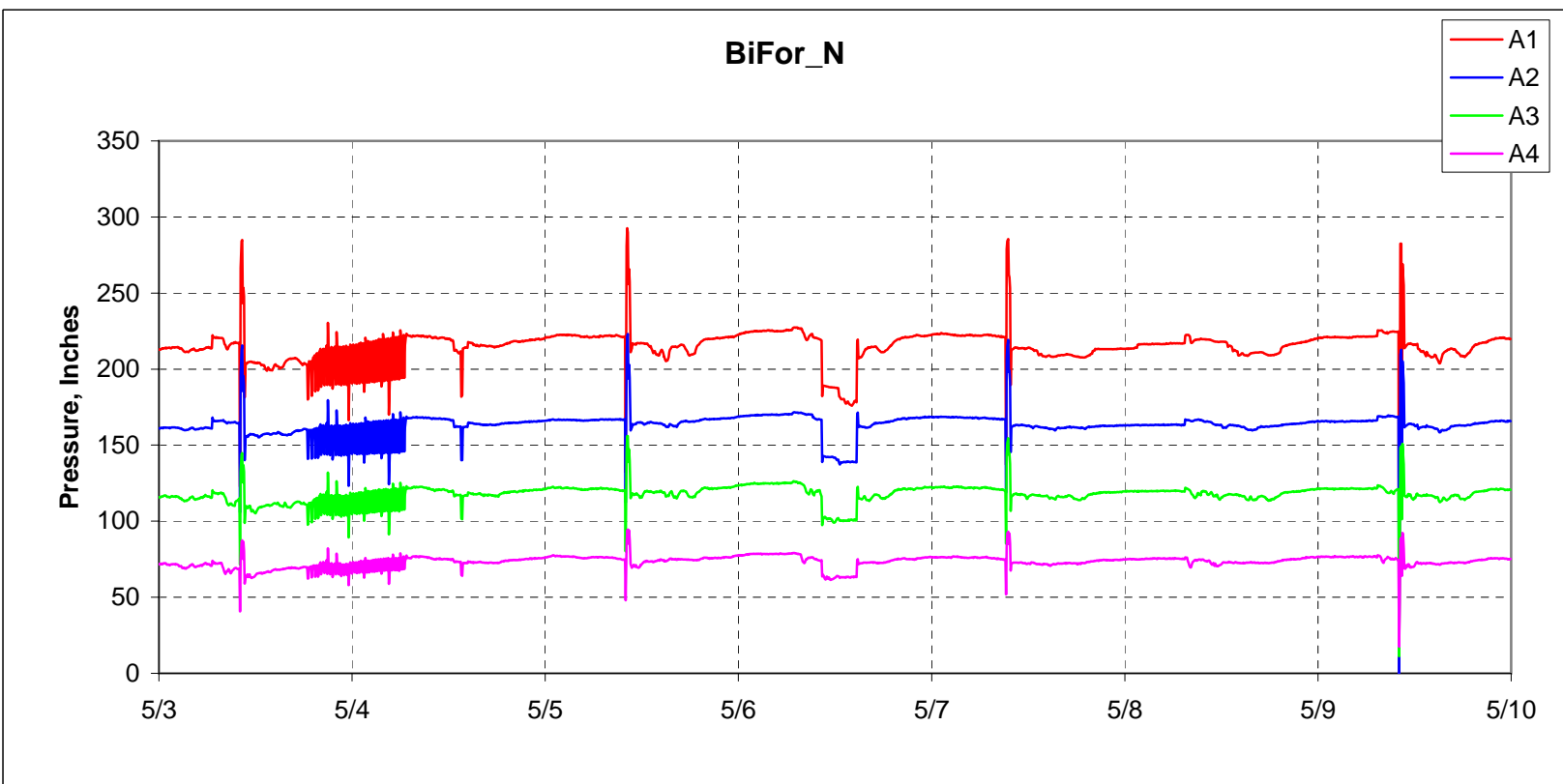
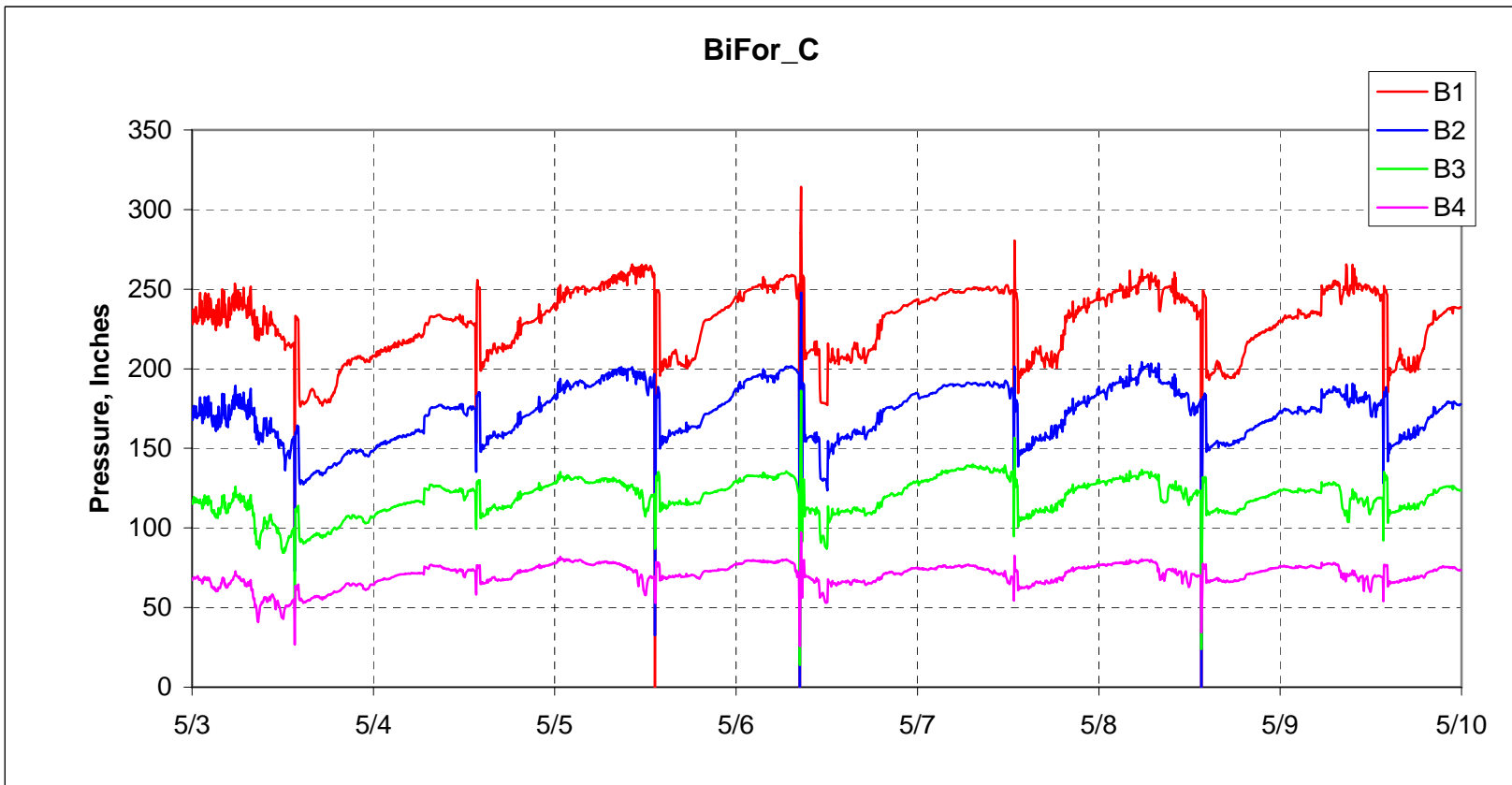
WEEK 9



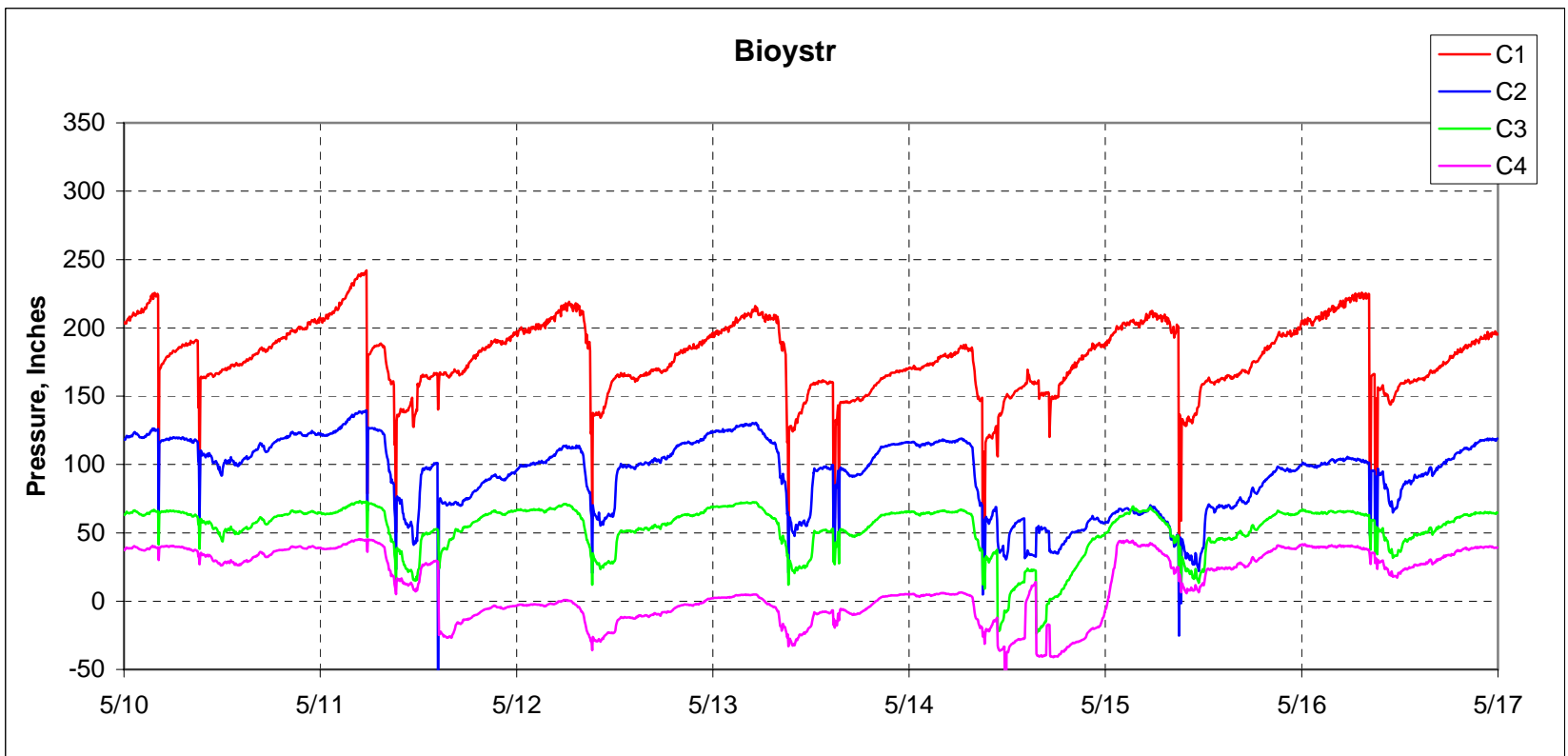
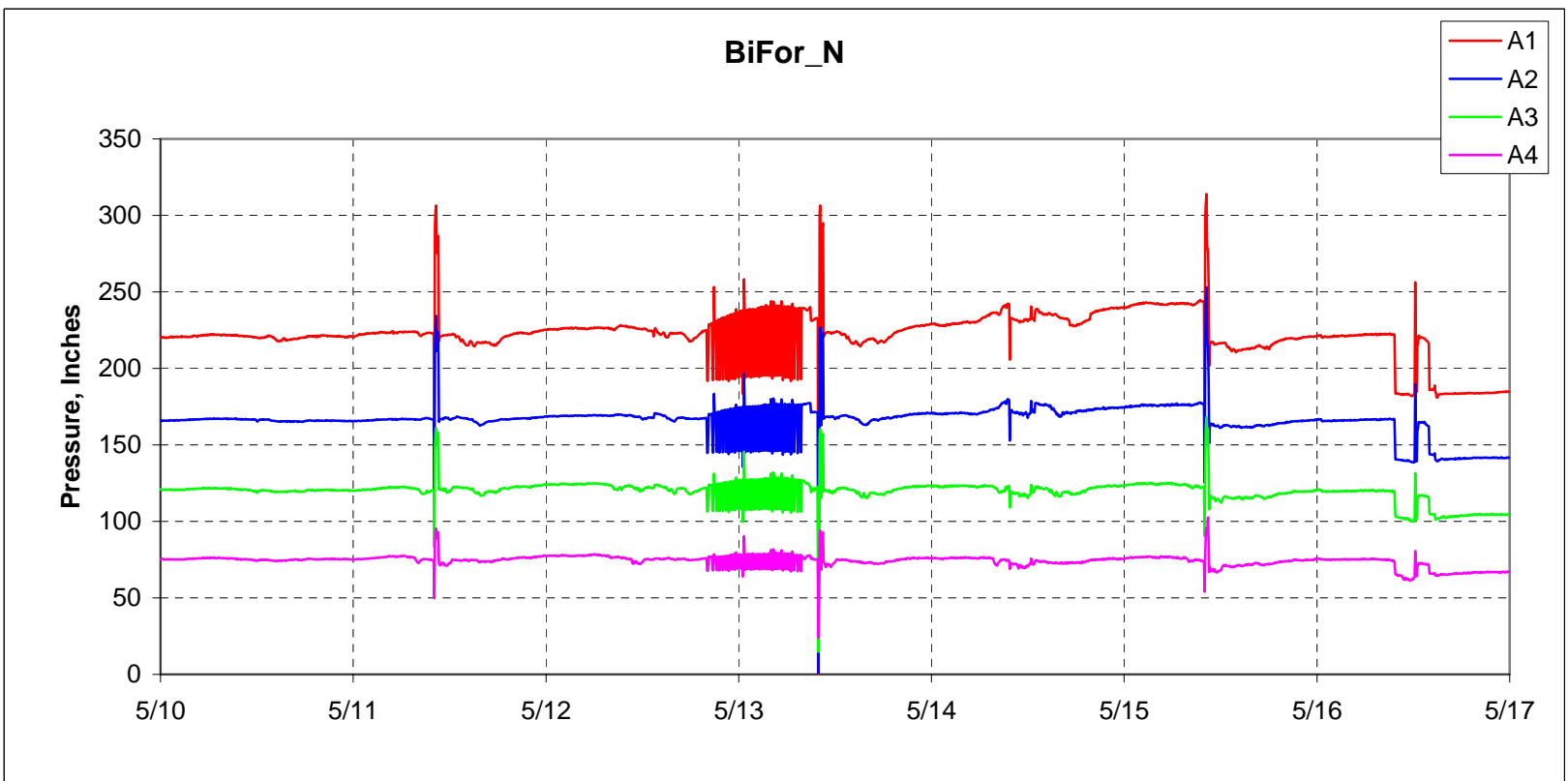
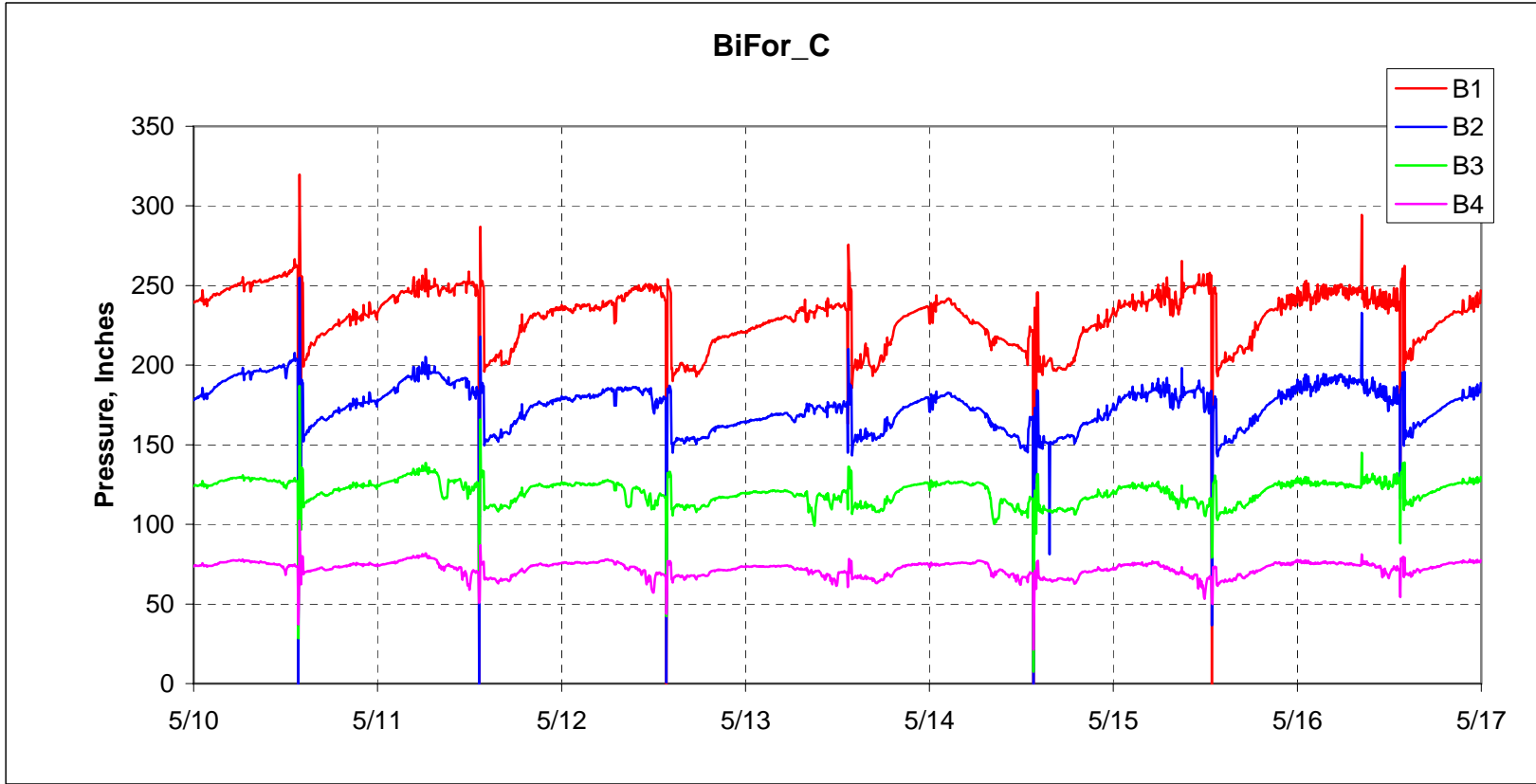
WEEK 10



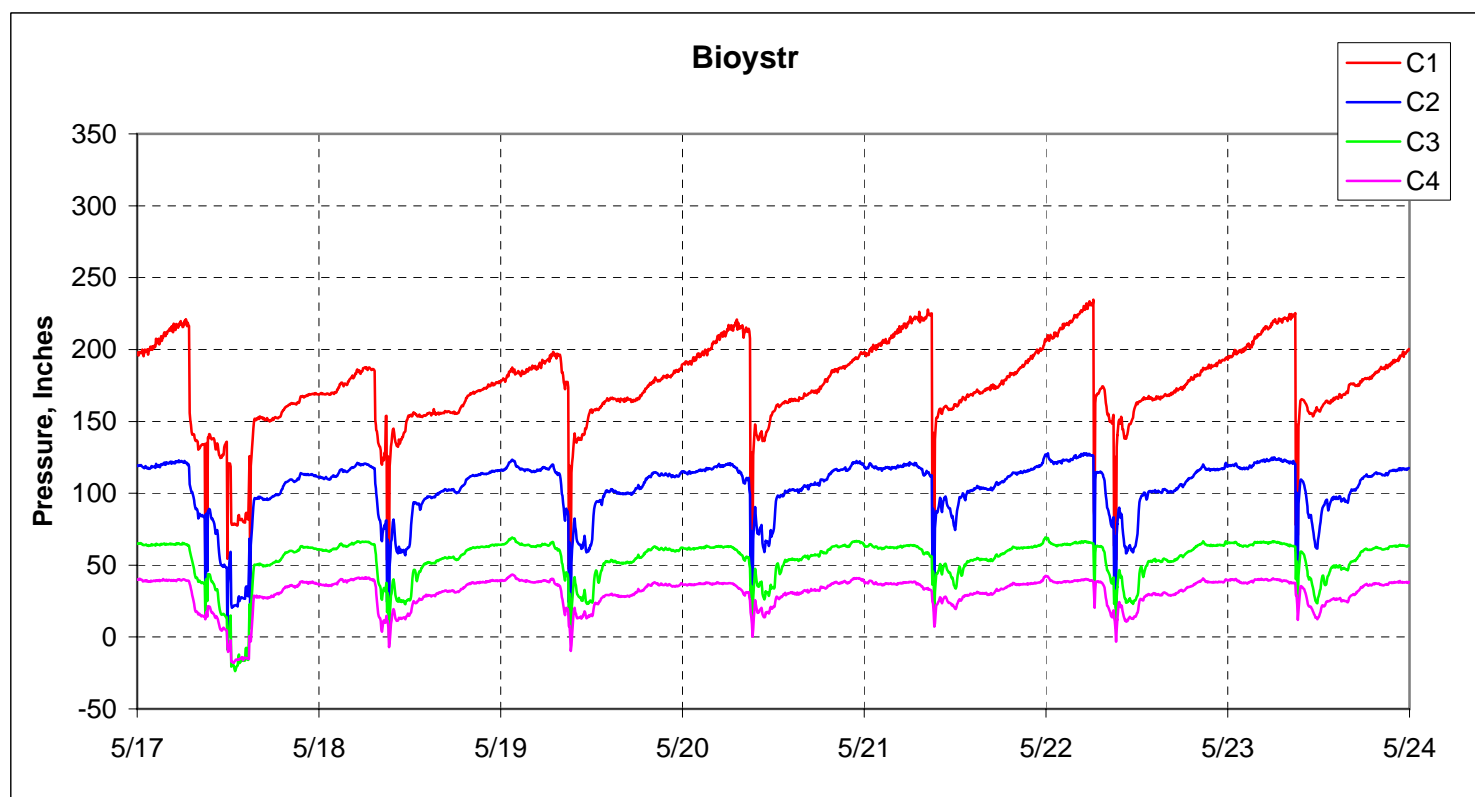
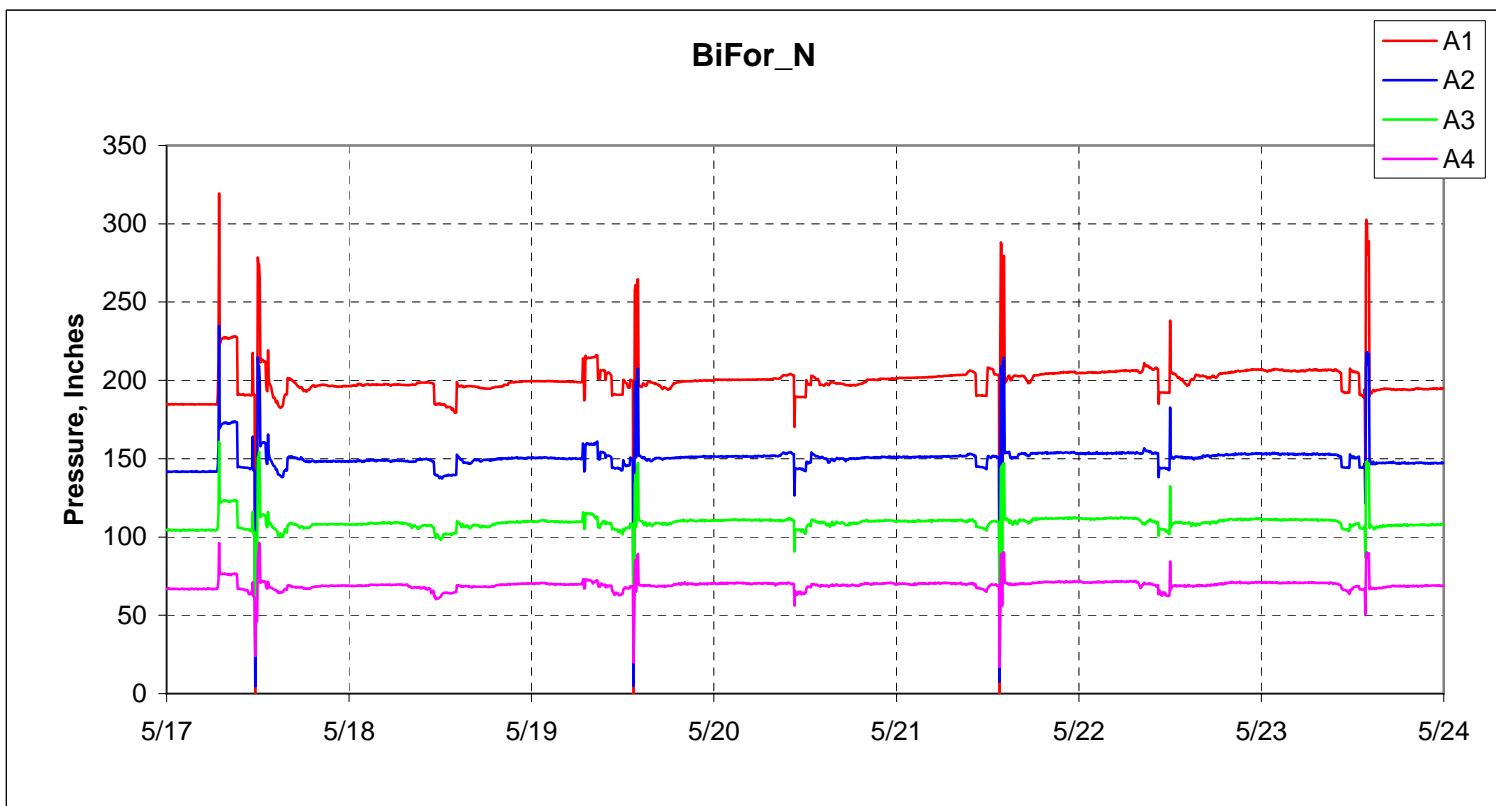
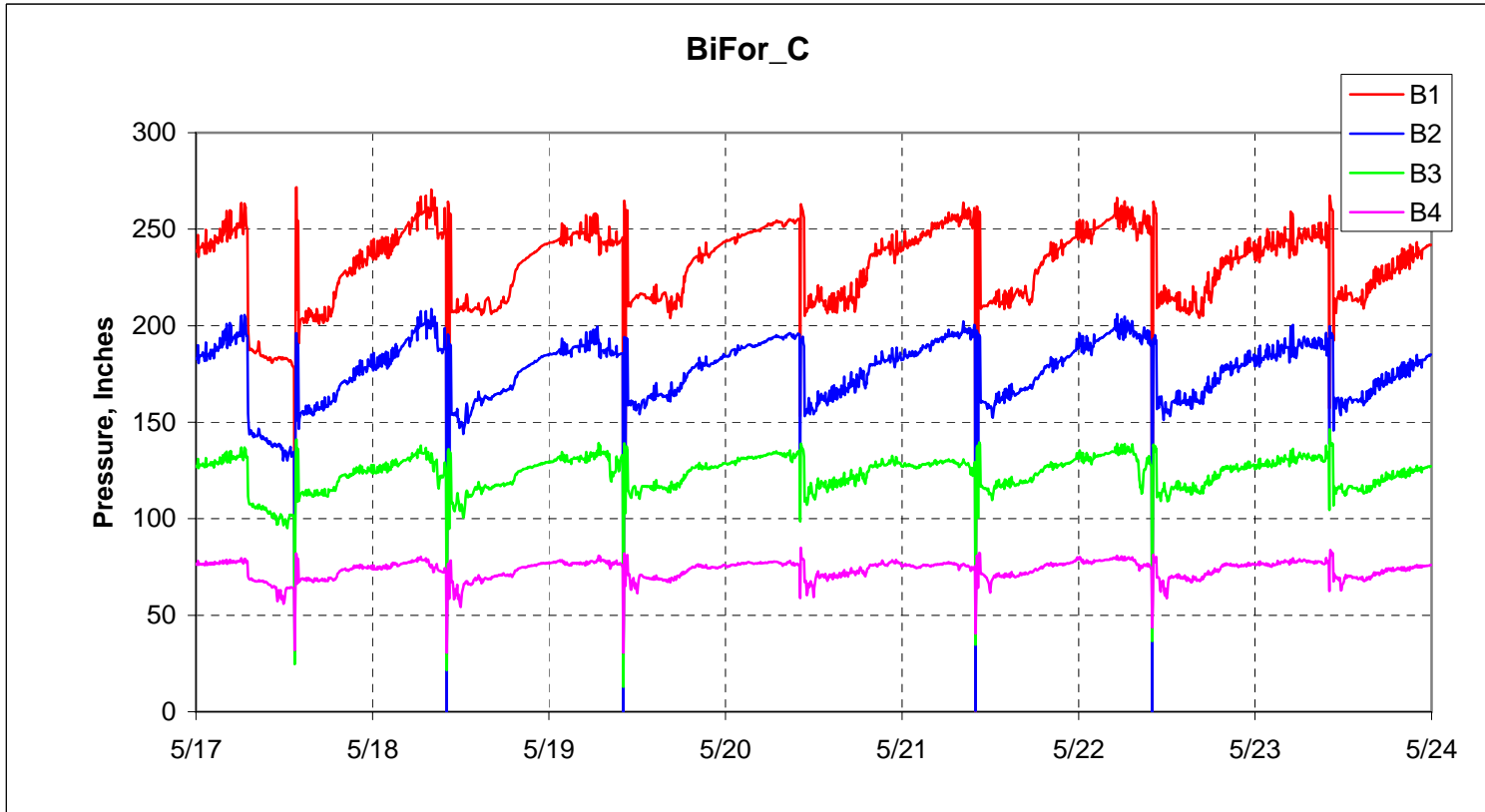
WEEK 11



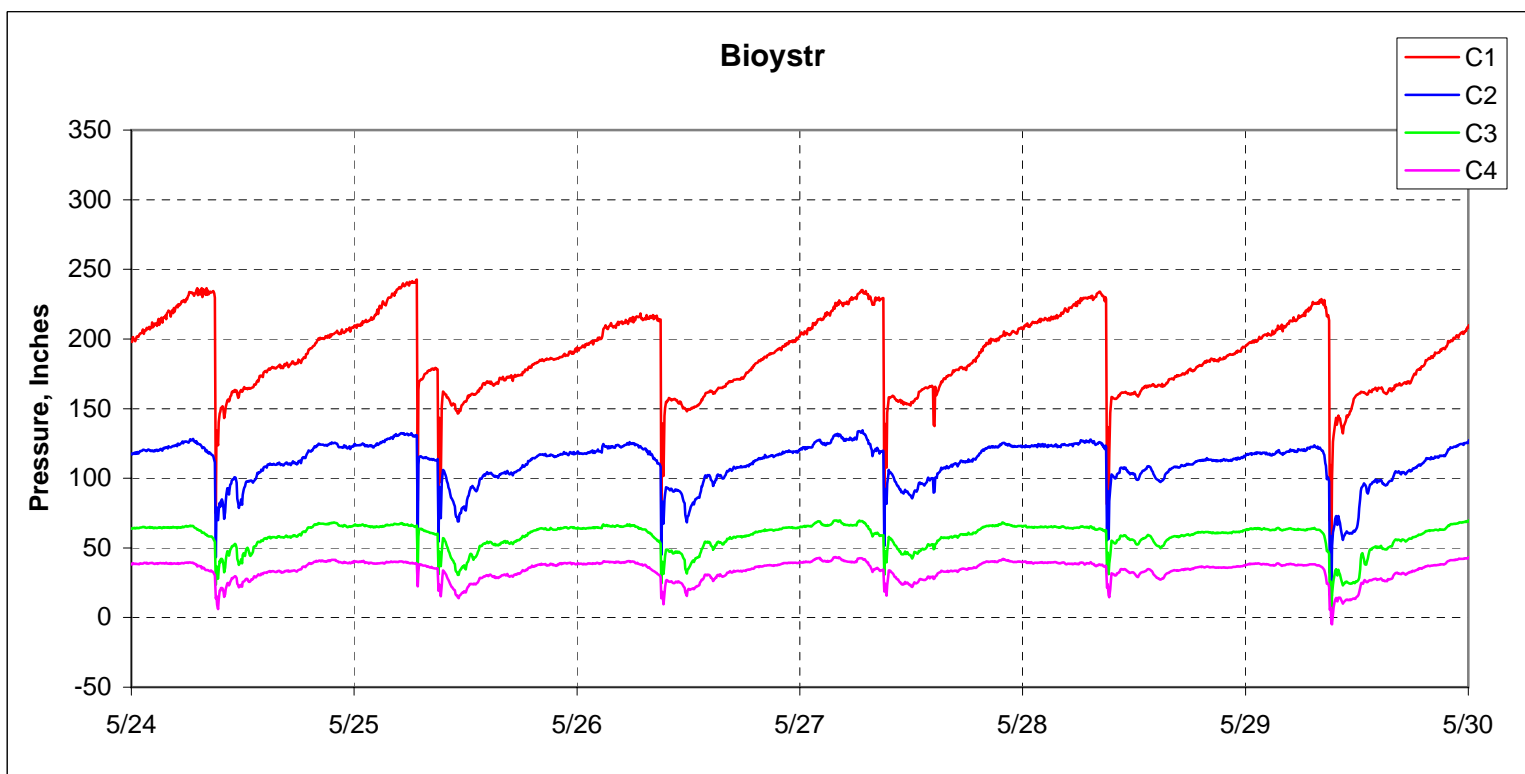
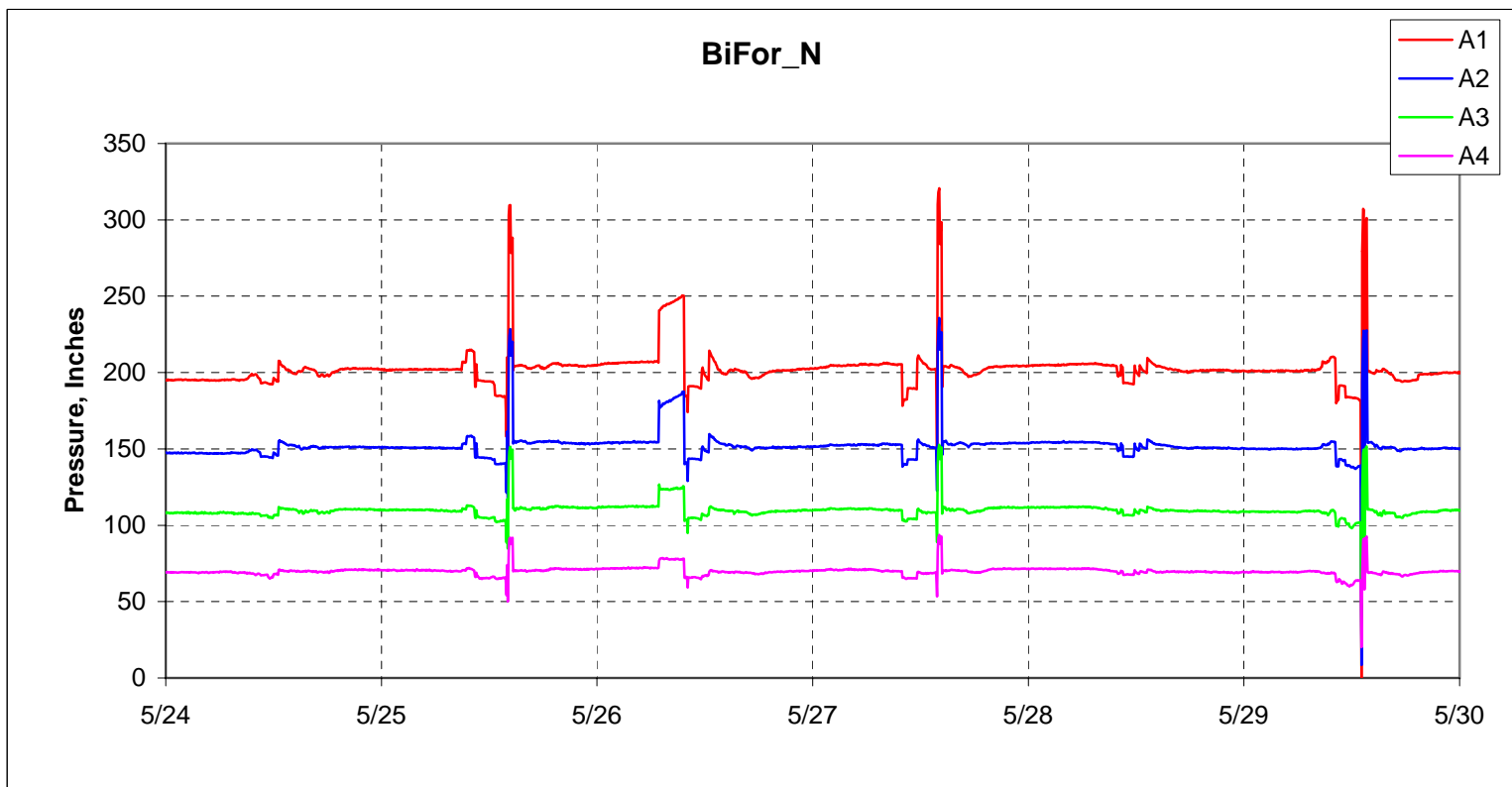
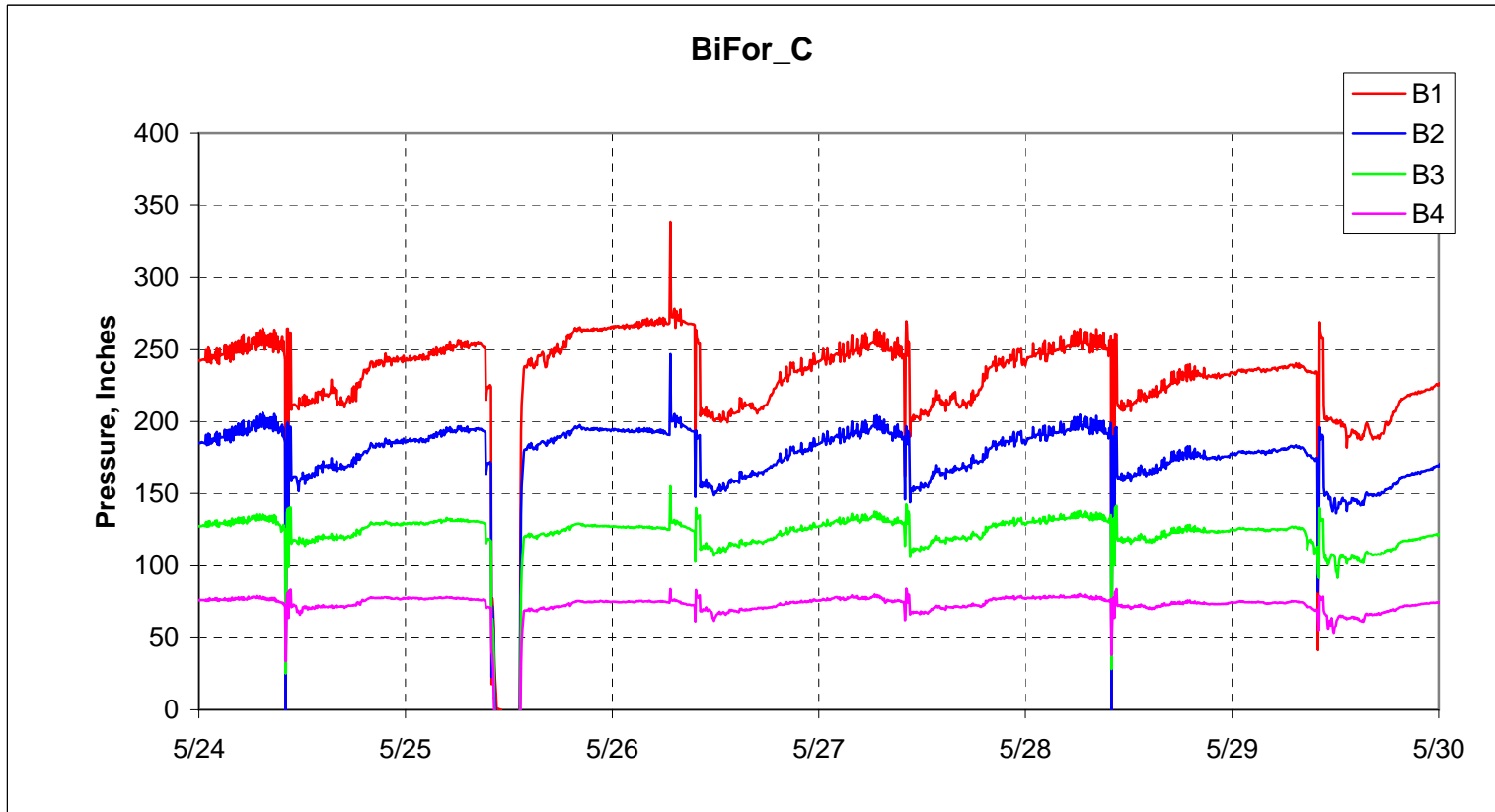
WEEK 12



WEEK 13



WEEK 14



Week	Comp Sample Start Date	Flow (gpm)			Flow (gpm/SF)			Ammonia-N Concentration (mg/L)					Percent Removal			Nitrite (as N) Concentration (mg/L) ^(A)				TKN Concentration (mg/L)				Percent Removal			NO3 Concentration (mg/L)												
		DENSADEG	BIOSTYR	BIOFOR C	DENSADEG	BIOSTYR	BIOFOR C	3-Dinf	13-Inf	13-Inf-2	13-BSEff	13-BFCEff	DENSADEG	BIOSTYR	Biofor C	13-Inf	13-Inf 2	13-BSEff	13-BFCEff	3-Dinf	13-Inf	13-Inf 2	13-BSEff	13-BFCEff	DENSADEG	BIOSTYR	Biofor C	13-Inf	13-Inf 2	13-BSEff	13-BFCEff								
PHASE 2																																							
17	17-Jun-04	107	7.50	6.12	9.95	2.03	1.95	32.2	30.2		26.3	26	6.2%	12.9%	13.9%					51.2	40.9		30.8	31.7	20.1%	24.7%	22.5%												
17	18-Jun-04	108	7.55	5.93	10.05	2.04	1.89	31.5	31.9		27.2	26	-1.3%	14.7%		0.075		1.500	2.00	49.3	44.1		32.5		10.5%	26.3%													
17	19-Jun-04	94	7.45	6.15	8.74	2.01	1.96	31.6	29.1		25.8	26	7.9%	11.3%	10.7%					49.2	38.3		32.3	30.9	22.2%	15.7%	19.3%												
17	20-Jun-04	79	7.50	7.76	7.35	2.03	2.47	28.6	28.3		25.2	24.9	1.0%	11.0%	12.0%	0.15		2.7	2.90	45.4	37.9		31.8	28.6	16.5%	16.1%	24.5%	0.11		0.055							0.20		
18	21-Jun-04	80	7.55	6.29	7.44	2.04	2.00	30.5	28.8		25.2	25.8	5.6%	12.5%	10.4%					49.6	39.2		29.3	30.2	21.0%	25.3%	23.0%												
18	22-Jun-04	98	7.50	6.29	9.12	2.03	2.00	30	28.8		26.9	30.3	4.0%	6.6%	-5.2%					45.5	40.4		33.8	31.1	11.2%	16.3%	23.0%	0.055		0.055							0.13		
18	23-Jun-04	86	7.15	6.21	8.00	1.93	1.98	29.1	28.8		26	24.1	1.0%	9.7%	16.3%					46.1	37.5		31	29.3	18.7%	17.3%	21.9%												
18	24-Jun-04	47	7.40	6.57	4.33	2.00	2.09	32.8	28.6		25.5	24.1	12.8%	10.8%	15.7%					47.9	34.5		30.6	27.3	28.0%	11.3%	20.9%												
18	25-Jun-04		7.55	6.27		2.04	1.99	30	28.6		25.2	24.2	4.7%	11.9%	11.9%					43.4	35.3		28.6	27.2	18.7%	19.0%	22.9%												
Phase II was restarted																																							
28	2-Sep-04	105	7.55	5.13	9.77	2.04	1.63	29.4	28.6		24.9	21	2.7%	12.9%	26.6%					44.3	34.6		29.9	24.9	21.9%	13.6%	28.0%												
28	3-Sep-04	98	7.47	4.99	9.09	2.02	1.59	28.8	28.8		25.2	17.6	0.0%	12.5%	38.9%					42.6	34.4		28.7	20.1	19.2%	16.6%	41.6%												
28	4-Sep-04	96	7.60	6.50	8.93	2.05	2.07	28.8	28		25.2	23.8	2.8%	10.0%	15.0%					43.5	35.1		29.7	28.2	19.3%	15.4%	19.7%												
28	5-Sep-04	107	7.47	5.15	9.95	2.02	1.64	28.8	26.6		24.6	30.8	7.6%	7.5%	-15.8%					44.1	34.1		29.1	36.1	22.7%	14.7%													
29	6-Sep-04	108	7.55		10.00	2.04		27.4	26.3		22.7		4.0%	13.7%						43.1	34.6		27.2		19.7%	21.4%													
29	7-Sep-04	104	7.57		9.70	2.05		29.7	27.4		22.7		7.7%	17.2%		0.15		1.90		47.8	42.4		25.8		11.3%	39.2%							0.23		0.67				
29	8-Sep-04	88	7.57		8.16	2.05		28.6	26.3		24.6		8.0%	6.5%		0.15		1.59		45	38.5		29.2		14.4%	24.2%							0.23		0.46				
29	9-Sep-04	77	7.53		7.13	2.04		28.3	26.9		23.2		4.9%	13.8%		0.15		1.83		45.4	35.6		27.4		21.6%	23.0%							0.23		0.78				
29	10-Sep-04	109	7.57		10.14	2.05		25.2	26.9		20.4		-6.7%	24.2%						39.2	34.9		25.6		11.0%	26.6%													
29	11-Sep-04	104	7.50		9.67	2.03		27.4	26		22.1		5.1%	15.0%						40.8	34.6		27.9		15.2%	19.4%													
29	12-Sep-04	102	7.53		9.49	2.04		37.5	24.6		21.3		34.4%	13.4%						47.4	31.5		26.5		33.5%	15.9%													
31	26-Sep-04							28	26.9				3.9%		39.8%					43.9	43.4			21.20	1.1%		51.2%												
33	5-Oct-04	106	7.95	6.38	9.89	2.15	2.03	30.8	29.1		26.3	12.3	5.5%	9.6%	57.7%					46.2	35.7		30.3	14.40	22.7%	15.1%	59.7%												
33	6-Oct-04	108	7.50	6.18	10.05	2.03	1.97	29.1	29.1		25.2	5.9	0.0%	13.4%	79.7%					44.8	34.2		28.6	9.34	23.7%	16.4%	72.7%												
33	7-Oct-04	112	7.30	6.26	10.45	1.97	1.99	29.7	28.3		23.5	9	4.7%	17.0%	68.2%					43.6	33		26.3	10.8	24.3%	20.3%	67.3%												
33	8-Oct-04	220	7.43	5.95	20.43	2.01	1.89	29.3	25.8		22.1	8.1	8.8%	14.3%	68.6%					42.7	30.3		24.9	9.23	29.0%	17.8%	69.5%												
33	9-Oct-04	108	6.47	6.24	10.00	1.75	1.99	28.6	28		20.2	9.2	2.1%	27.9%	67.1%	0.15		3.23	0.65	41.9	34.5		22.8	11.3	17.7%	33.9%	67.2%	0.23					1.74	14.97					
33	10-Oct-04	110	6.85	6.39	10.23	1.85	2.03	28.6	28.3		21.6	10.6	1.0%	23.7%	62.5%	0.18		3.04	0.48	42.3	36.2		24.7	12	14.4%	31.8%	66.9%	0.23				2.33	15.24						
34	11-Oct-04	110	7.07	6.26	10.23	1.91	1.99	28.6	27.7		21.6	14	3.1%	22.0%	49.5%	0.29		2.30	0.38	45.5	36		25.6	17.1	20.9%	28.9%	52.5%	0.23			1.85	13.57							
34	12-Oct-04	109	7.23	5.90	10.14	1.96	1.88	29.1	28.3	29.7	23.2	13.2	2.7%	18.0%	53.4%					46.6	37.6	38	27.1	16	19.3%	27.9%	57.4%												
34	14-Oct-04	106	7.70	6.58	9.86	2.08	2.09	28	28	29.3	22.7	24.1								47.2		37.1	28.3	49.7															
34	15-Oct-04	100	7.20	5.17	9.27	1.95	1.64	26.6	27.4	27.4	20.4	8.7	-3.0%	25.5%	68.2%					41.7	33.7	32.8	23.7	10.3	19.2%	29.7%	69.4%												
34	16-Oct-04	104	6.80	6.18	9.63	1.84	1.97	30.2	29.1	29.7	22.7	9.2	3.6%	22.0%	68.4%					45.2	35.8	36.6	25.5	10.7	20.8%	28.8%	70.1%												
34	17-Oct-04	109	6.65	6.11	10.14	1.80	1.94	27.4	27.4	29.4	23.5	11.5	-1.1%	15.2%	58.5%					41.5	34.4	36.1	27.4	13.9	17.1%	20.3%	59.6%												
35	18-Oct-04	109	11	9	10.09	3.00	2.90	27.4	28	29	23	14.3	-2.2%	17.9%	48.9%	0.37		1.54	0.37	41.7	33.6	34.4	26		19.4%	22.6%		0.23			1.73	15.06							
35	19-Oct-04	109	11.18	6.37	10.16	3.02	2.03	23.2	25.8	23.8	20.2	12.3	-11.2%	21.7%	52.3%					40.1	34.4	30.6	25.3	15.1	14.2%	26.5%	56.1%												
35	20-Oct-04	109	11.10	9.20	10.05	3.00	2.93	23.5	26.3	22.1	8.1	-11.9%		69.2%		0.15	0.15	1.12	0.31	37.9	31.4	27.7	21.7	10.7	17.2%	65.9%	0.23	0.23	1.39	12.26									
35	21-Oct-04	104	11.10	8.53	9.64	3.00	2.72	23	23.5	23.2	19.9	12.9	-2.2%	15.3%	45.1%	0.15	0.18		40.1	28.9	28.8	24.5	15.7	27.9%	15.2%	45.7%	0.23	0.23											
35	22-Oct-04	108	11.06	9.20	10.05	2.99	2.93	24.6	24.9	25.5	19.6	18.8	-1.2%	21.3%	24.5%	0.15				41.3	34	34	26.5	23.3	17.7%	22.1%	31.5%												
35	23-Oct-04	107	11.00	9.58	9.98	2.97	3.05	24.6	24.9	25.5	21.6	19	-1.2%	13.3%	23.7%																								

Week	Comp Sample Start Date	Flow (gpm)			Flow (gpm/SF)			TBOD Concentration (mg/L)					Percent Removal			TBOD Loading - BS		TBOD Loading - BFC	
		DENSADEG	BIOSTYR	BIOFOR C	DENSADEG	BIOSTYR	BIOFOR C	3-Dinf	13-Inf	13-Inf2	13-BSEff	13-BFCEff	DENSADEG	BIOSTYR	Biofor C	lb/d	lb/d/kcf	lb/d	lb/d/kcf
PHASE 2																			
17	17-Jun-04	107	7.50	6.12	9.95	2.03	1.95	273	151		52.7	20.5	44.7%	65.1%	86.4%	13.61	321.5	11.11	292.1
17	20-Jun-04	79	7.50	7.76	7.35	2.03	2.47	264	112		57.3	13.9	57.6%	48.8%	87.6%	10.09	238.5	10.44	274.8
18	22-Jun-04	98	7.50	6.29	9.12	2.03	2.00	226	106		46.7	15.9	53.1%	55.9%	85.0%	9.55	225.7	8.01	210.8
18	24-Jun-04	47	7.40	6.57	4.33	2.00	2.09	327	98.4		31.2	16.1	69.9%	68.3%	83.6%	8.75	206.7	7.77	204.4
Phase II was restarted																			
28	3-Sep-04	98	7.47	4.99	9.09	2.02	1.59	251	90.7		16	17.7	63.9%	82.4%	80.5%	8.14	192.3	5.43	142.9
28	5-Sep-04	107	7.47	5.15	9.95	2.02	1.64	262	86.1		25.8	41.6	67.1%	70.0%	51.7%	7.73	182.5	5.33	140.3
29	7-Sep-04	104	7.57		9.70	2.05		267	181		24.1		32.2%	86.7%		16.46	388.8		
29	9-Sep-04	77	7.53		7.13	2.04		238	97.3		33.4		59.1%	65.7%		8.81	208.1		
29	11-Sep-04	104	7.50		9.67	2.03		251	141		40.1		43.8%	71.6%		12.71	300.2		
29	26-Sep-04							268	218				18.7%		79.7%				
33	6-Oct-04	108	7.50	6.18	10.05	2.03	1.97	252	86.3		17.6	34.4	65.8%	79.6%	60.1%	7.78	183.8	6.41	168.6
33	8-Oct-04	220	7.43	5.95	20.43	2.01	1.89	196	74.1			34.7	62.2%		53.2%	6.62	156.4	5.30	139.3
33	10-Oct-04	110	6.85	6.39	10.23	1.85	2.03	298	139		33.1	45.4	53.4%	76.2%	67.3%	11.44	270.3	10.67	280.6
34	12-Oct-04	109	7.23	5.90	10.14	1.96	1.88	216	93.3	105	26.2	29.6	56.8%	71.9%	68.3%	8.11	191.6	6.62	174.0
34	14-Oct-04	106	7.70	6.58	9.86	2.08	2.09	231		86	35.5	39.5							
34	16-Oct-04	105	6.77	6.19	9.80	1.83	1.97	203	71.8	81.9	19.6	27.5	64.6%	72.7%	61.7%	5.84	137.9	5.34	140.5
35	18-Oct-04	109	11	9	10.09	3.00	2.90	259	85.4	80.8	25.9	31.7	67.0%	69.7%	62.9%	11.39	269.1	9.36	246.4
35	22-Oct-04	108	11.06	9.20	10.05	2.99	2.93	245	89	91.3	20.9	44.9	63.7%	76.5%	49.6%	11.83	279.5	9.83	258.7
35	24-Oct-04	107	11.03	9.41	9.95	2.98	3.00	249			30.3	43.5							
36	26-Oct-04	107	11.17	9.39	9.95	3.02	2.99	176	79.3	55.6	27.4	25	54.9%	65.4%	68.5%	10.64	251.4	8.95	235.3
36	28-Oct-04	105	11.07	9.27	9.74	2.99	2.95	180	65.3	58.9	15.2	15	63.7%	76.7%	77.0%	8.68	205.2	7.27	191.4
36	30-Oct-04	107	11.15	9.67	9.92	3.01	3.08	179	117	129	44.9	21.2	34.6%	61.6%	81.9%	15.68	370.4	13.60	357.7
37	1-Nov-04	86	11.03	6.83	7.97	2.98	2.17	252	80.6	87	20.2	14.2	68.0%	74.9%	82.4%	10.69	252.5	6.62	174.0
37	3-Nov-04	107	7.40	6.44	9.95	2.00	2.05	219	70.8	78.9	16.4	18	67.7%	76.8%	74.6%	6.30	148.7	5.48	144.0
38	9-Nov-04	107	7.40	6.24	9.93	2.00	1.99	210	74	82.1	22.6	19.1	64.8%	69.5%	74.2%	6.58	155.5	5.55	145.9
38	11-Nov-04	105	7.40	6.27	9.77	2.00	2.00	248	91.3	93.7	22.6	24.8	63.2%	75.2%	72.8%	8.12	191.8	6.88	181.0
38	13-Nov-04	107	7.40	5.83	9.95	2.00	1.86	196	79.9	87.7	30.1	17.4	59.2%	62.3%	78.2%	7.11	167.9	5.60	147.3
39	15-Nov-04	109	7.43	7.43	10.11	2.01	2.37	234	101		33.2	31	56.8%	67.1%	69.3%	9.02	213.2	9.02	237.3
39	17-Nov-04	107	7.43	7.43	9.98	2.01	2.37	213	89.3		26.7	30.4	58.1%	70.1%	66.0%	7.98	188.5	7.98	209.8
39	19-Nov-04	108	7.40	7.40	10.02	2.00	2.36	262	52.3		27.2	24.1	80.0%	48.0%	53.9%	4.65	109.9	4.65	122.4
39	21-Nov-04	107	7.40	7.40	9.95	2.00	2.36	281	85.8		25.4	38.3	69.5%	70.4%	55.4%	7.63	180.3	7.63	200.7
PHASE 1																			
42	6-Dec-04		7.50			2.03			120		25.2	31.5		79.0%	73.8%	10.82	255.5		
42	8-Dec-04		7.40	6.26		2.00	1.99		109		22.6	40.9		79.3%	62.5%	9.69	229.0	8.20	215.7
42	10-Dec-04		7.45	6.39		2.01	2.03		87.5		19	20.5		78.3%	76.6%	7.83	185.1	6.72	176.8
42	12-Dec-04		7.50	6.48		2.03	2.06		97.8			35.5			63.7%	8.81	208.3	7.62	200.3
PHASE 2																			
Week 17-18 Average		82.63	7.48	6.69	7.69	2.02	2.13	272.50	116.9		47.0	16.6	56.3%	59.5%	85.7%	10.50	248.12	9.33	245.52
Week 17-18 Min		46.50	7.40	6.12	4.33	2.00	1.95	226.00	98.4		31.2	13.9	44.7%	48.8%	83.6%	8.75	206.74	7.77	204.38
Week 17-18 Max		107.00	7.50	7.76	9.95	2.03	2.47	327.00	151.0		57.3	20.5	69.9%	68.3%	87.6%	13.61	321.54	11.11	292.15
PHASE 2																			
Week 28-40 Average		108.90	8.17	7.20	10.13	2.27	2.28	234.67	97.6	86.0	26.4	29.7	58.4%	71.4%	67.7%	9.16	216.49	7.31	192.29
Week 28-40 Min		76.67	6.77	4.99	7.13	1.83	1.59	176.00	52.3	55.6	15.2	14.2	18.7%	48.0%	49.6%	4.65	109.88	4.65	122.35
Week 28-40 Max		219.67	11.17	9.67	20.43	3.02	3.08	298.00	218.0	129.0	44.9	45.4	80.0%	86.7%	82.4%	16.46	388.84	13.60	357.67
PHASE 1																			
Week 42 Average			7.46	6.38		2.02	2.03		103.6		22.3	32.1		78.9%	69.1%	9.29	219.47	7.51	197.61
Week 42 Min			4.93	4.66		1.33	1.48		67.1		12.3	10.4		78.3%	62.5%	7.83	185.08	6.72	176.76
Week 42 Max			7.50	6.48		2.03	2.06		120.0		25.2	40.9		79.3%	76.6%	9.69	229.01	8.20	215.71

Values reported as less than (<) values are entered as a numeric value equal to half the detection level (ex. <7 is reported as 3.5) - colored boxes

Reported value was indicated as "greater than" the value shown.

1.5 = BIOFOR N Column Diameter, ft
 2 = BIOFOR C Column Diameter, ft
 12.1 = BIOFOR C & N Media Depth, ft

3.14

2.17 = BIOSTYR Column Diameter, ft
 11.48 = BIOSTYR Media Depth, ft

3.685

10.75 sf Densadeg surface area

Week	Week	Comp Sample Start Date	Flow (gpm)			Flow (gpm/SF)			SBOD Concentration (mg/L)					Percent Removal			
			DENSADEG	BIOSTYR	BIOFOR C	DENSADEG	BIOSTYR	BIOFOR C	3-Dinf	13-Inf	13-Inf2	13-BSEff	13-BFCEff	3-Dinf	Biostyr	Biofor C	
PHASE 2	PHASE 2																
17	17	17-Jun-04	107	7.50	6.12	9.95	2.03	1.95	79.9	83.6		17.6	10.1	-4.6%	78.9%	87.9%	
17	17	20-Jun-04	94	7.45	6.15	8.74	2.01	1.96	85.7	60.2		9.06	7.98	29.8%	85.0%	86.7%	
17	18	22-Jun-04	80	7.55	6.29	7.44	2.04	2.00	66.4	40.4		8.3	7.67	39.2%	79.5%	81.0%	
17	18	24-Jun-04	86	7.15	6.21	8.00	1.93	1.98	91.5	70		8.22	5.46	23.5%	88.3%	92.2%	
Phase II was	Phase II was restarted																
28	28	3-Sep-04	98	7.47	4.99	9.09	2.02	1.59	88.5	63		5.25	20.6	28.8%	91.7%	67.3%	
28	28	5-Sep-04	107	7.47	5.15	9.95	2.02	1.64	67.3	48.9		5.6	43	27.3%	88.5%	12.1%	
29	29	7-Sep-04	104	7.57		9.70	2.05		80.8	57.1		7.04		29.3%	87.7%		
29	29	9-Sep-04	77	7.53		7.13	2.04		74.7	47.2		5.61		36.8%	88.1%		
29	29	11-Sep-04	104	7.50		9.67	2.03		92.3	54.7		4.7		40.7%	91.4%		
	31	26-Sep-04							79.3	52.9			17.2	33.3%		67.5%	
	33	6-Oct-04	108	7.50	6.18	10.05	2.03	1.97	67.4	52		6.72		22.8%	87.1%		
	33	8-Oct-04	220	7.43	5.95	20.43	2.01	1.89	70.7	49.1			4.05	30.6%		91.8%	
	33	10-Oct-04	110	6.85	6.39	10.23	1.85	2.03	80	57.1		7.26	44	28.6%	87.3%	22.9%	
	34	12-Oct-04	109	7.23	5.90	10.14	1.96	1.88	63.3	47.2	64.1	3.83	14.8	25.4%	91.9%	68.6%	
	34	14-Oct-04	106	7.70	6.58	9.86	2.08	2.09	54.4		65.9	3.56	5.94				
	34	16-Oct-04	105	6.77	6.19	9.80	1.83	1.97	35.7	32.9	56	3.08	8.55	7.8%	90.6%	74.0%	
	35	18-Oct-04	109	11	9	10.09	3.00	2.90	50.1	60.7	56.7	4.97	9.48	-21.2%	91.8%	84.4%	
	35	22-Oct-04	108	11.06	9.20	10.05	2.99	2.93	65.1	52	63	4.7	12.3	20.1%	91.0%	76.3%	
	35	24-Oct-04	107	11.03	9.41	9.95	2.98	3.00	60.2	40.5		5.04	7.07	32.7%	87.6%	82.5%	
	36	26-Oct-04	107	11.17	9.39	9.95	3.02	2.99	44.6	58.2	42.9	3.95	3.66	-30.5%	93.2%	93.7%	
	36	28-Oct-04	105	11.07	9.27	9.74	2.99	2.95	30	43.7	39.5	4.26	6.16	-45.7%	90.3%	85.9%	
	36	30-Oct-04	107	11.15	9.67	9.92	3.01	3.08	41.1	46.9	48.7	9.03	6.84	-14.1%	80.7%	85.4%	
	37	1-Nov-04	86	11.03	6.83	7.97	2.98	2.17	54.3	51	56.6	4.49	6.51	6.1%	91.2%	87.2%	
	37	3-Nov-04	107	7.40	6.44	9.95	2.00	2.05	55.5	51.4	59.1	6.96	11	7.4%	86.5%	78.6%	
	38	9-Nov-04	107	7.40	6.24	9.93	2.00	1.99	64.1	56	60.2	4.17	10.2	12.6%	92.6%	81.8%	
	38	11-Nov-04	107	7.40	5.83	9.95	2.00	1.86	61.1	55.5	62.8	5.58	13.8	9.2%	89.9%	75.1%	
	38	13-Nov-04	109	7.43	7.43	10.11	2.01	2.37	54	56.2	60.7	6.9	6.11	-4.1%	87.7%	89.1%	
	39	15-Nov-04	107	7.43	7.43	9.98	2.01	2.37	51.4	52.4		4.41	9.82	-1.9%	91.6%	81.3%	
	39	17-Nov-04	108	7.40	7.40	10.02	2.00	2.36	45.2	52.5		3.69	8.89	-16.2%	93.0%	83.1%	
	39	19-Nov-04	107	7.40	7.40	9.95	2.00	2.36	83.7	30		3.9	8.1	64.2%	87.0%	73.0%	
	39	21-Nov-04							78.4	49			14.5				
		PHASE 1															
	42	7-Dec-04		7.40	6.26		2.00	1.99		85.2		8.93	12.1		89.5%	85.8%	
	42	9-Dec-04		7.45	6.39		2.01	2.03		81.4		7.54	19.8		90.7%	75.7%	
	42	11-Dec-04		7.50	6.48		2.03	2.06		64.2		7.14	11.9		88.9%	81.5%	
	42	13-Dec-04		6.40	6.42		1.73	2.04		74.5			28.3			62.0%	
PHASE II	PHASE 2																
		Week 17-18 Average	91.75	7.41	6.19	8.53	2.00	1.97	80.88	63.6		10.8	7.8	21.9%	82.9%	87.0%	
		Week 17-18 Min	80.00	7.15	6.12	7.44	1.93	1.95	66.40	40.4		8.2	5.5	-4.6%	78.9%	81.0%	
		Week 17-18 Max	107.00	7.55	6.29	9.95	2.04	2.00	91.50	83.6		17.6	10.1	39.2%	88.3%	92.2%	
PHASE II	PHASE 2																
		Week 28- 40 Average	109.06	8.42	7.20	10.15	2.28	2.29	62.71	50.7	56.6	5.2	12.7	13.2%	89.5%	74.4%	
		Week 89- 40 Min	76.67	6.77	4.99	7.13	1.83	1.59	30.00	30.0	39.5	3.1	3.7	-45.7%	80.7%	12.1%	
		Week 89-40 Max	219.67	11.17	9.67	20.43	3.02	3.08	92.30	63.0	65.9	9.0	44.0	64.2%	93.2%	93.7%	
PHASE II	PHASE 1																
		Week 42 Average		7.50	7.21		2.03	2.30		71.2		7.8	11.6		89.3%	83.1%	
		Week 42 Min		6.40	6.26		1.73	1.99		64.2		7.1	11.9		88.9%	62.0%	
		Week 42 Max		7.50	6.48		2.03	2.06		85.2		8.9	28.3		90.7%	85.8%	

Value reported as less than (<); value shown equal to half the detection level (ex. <7 is reported as 3.5)

Reported value was indicated as "greater than" the value shown.

- 1.5
- 2 = BIOFOR N Column Diameter, ft
- 2 = BIOFOR C Column Diameter, ft
- 12.1 = BIOFOR C & N Media Depth, ft
- 2.17
- 2.17 11.48 = BIOSTYR Column Diameter, ft
- 11.48 = BIOSTYR Media Depth, ft
- 10.75 sf Densadeg surface area
- 10.75 sf

Week	Comp Sample Start Date	Flow (gpm)			Flow (gpm/SF)			CBOD Concentration (mg/L) ^(a)					Percent Removal			CBOD Loading - BS		CBOD Loading - BFC		
		DENSADEG	BIOSTYR	BIOFOR C	DENSADEG	BIOSTYR	BIOFOR C	3-Dinf	13-Inf	13-Inf2	13-BSEff	13-BFCEff	3-Dinf	BIOSTYR	Biofor C	lb/d	lb/d/kcf	lb/d	lb/d/kcf	
PHASE 2																				
17	18-Jun-04	108	7.55	5.93	10.05	2.04	1.89	185	111		20			40.0%	82.0%		10.07	237.9	7.90	207.9
17	21-Jul-04	79	7.50	7.76	7.35	2.03	2.47													
18	23-Jul-04	98	7.50	6.29	9.12	2.03	2.00													
18	25-Jul-04	47	7.40	6.57	4.33	2.00	2.09	158	65.60		8.63	5.87		58.5%	86.8%	91.1%	5.83	137.8	5.18	136.3
Phase II was restarted																				
28	2-Sep-04	105	7.55	5.13	9.77	2.04	1.63	174	93.4		18.5	14.3		46.3%	80.2%	84.7%	8.47	200.2	5.76	151.5
28	4-Sep-04	96	7.60	6.50	8.93	2.05	2.07	176	92.5		15.7	33.4		47.4%	83.0%	63.9%	8.45	199.6	7.23	190.1
29	6-Sep-04	108	7.55		10.00	2.04		220	96.8		12.6			56.0%	87.0%		8.78	207.5		
29	8-Sep-04	88	7.57		8.16	2.05		152	95.6		16.3			37.1%	82.9%		8.69	205.4		
29	10-Sep-04	109	7.57		10.14	2.05		157	80.4		10.2			48.8%	87.3%		7.31	172.7		
29	12-Sep-04	102	7.53		9.49	2.04		135	88.2		19			34.7%	78.5%		7.98	188.6		
33	5-Oct-04	106	7.95	6.38	9.89	2.15	2.03	168	56.4		12.4	3.99		66.4%	78.0%	92.9%	5.39	127.3	4.32	113.8
33	9-Oct-04	108	6.47	6.24	10.00	1.75	1.99	171	79.3		7.63	6.44		53.6%	90.4%	91.9%	6.16	145.6	5.95	156.5
34	11-Oct-04	110	7.07	6.26	10.23	1.91	1.99	180	70.8		6.71	6.61		60.7%	90.5%	90.7%	6.01	142.0	5.32	140.0
34	15-Oct-04	100	7.20	5.17	9.27	1.95	1.64	182	63.4	85.2	7.22	5.41		65.2%	88.6%	91.5%	5.49	129.6	3.94	103.6
34	17-Oct-04	109	6.65	6.11	10.14	1.80	1.94	164	77.4	90.6	15.5	6.96		52.8%	80.0%	91.0%	6.18	146.1	5.68	149.4
35	19-Oct-04	109	11.18	6.37	10.16	3.02	2.03	128	59.6	57.5	16.1	8.16		53.4%	73.0%	86.3%	8.00	189.1	4.56	120.0
35	21-Oct-04	104	11.10	8.53	9.64	3.00	2.72	131		57.9	7.39	6.53								
35	23-Oct-04	107	11.00	9.58	9.98	2.97	3.05	192	69.9	86.3	10.2	14.3		63.6%	85.4%	79.5%	9.24	218.3	8.05	211.7
36	25-Oct-04	107	11.17	8.59	9.98	3.02	2.73	179		88.6	13.5	19.5								
36	29-Oct-04	106	11.10	9.02	9.83	3.00	2.87	132	84.3	82.8	15.7	7.71		36.1%	81.4%	90.9%	11.24	265.7	9.13	240.3
36	31-Oct-04	106	11.13	7.49	9.85	3.01	2.38	167	98.4	106	22.1	6.96		41.1%	77.5%	92.9%	13.17	311.0	8.86	233.0
37	2-Nov-04	108	8.63	4.89	10.05	2.33	1.55	143	65.8	78.1	9.18	5.25		54.0%	86.0%	92.0%	6.83	161.3	3.86	101.6
37	4-Nov-04	106	7.40	6.11	9.86	2.00	1.94	100	56	57.9	8.32	6.98		44.0%	85.1%	87.5%	4.98	117.7	4.11	108.2
38	8-Nov-04	107	7.50	6.12	9.95	2.03	1.95	174	93.3	102	12.6	6.79		46.4%	86.5%	92.7%	8.41	198.7	6.86	180.4
38	10-Nov-04	101	7.37	6.32	9.36	1.99	2.01	144	72.8	76.5	8.23	5.88		49.4%	88.7%	91.9%	6.44	152.3	5.53	145.5
38	12-Nov-04	108	7.47	6.26	10.05	2.02	1.99	153	75	76.2	8.53	5.43		51.0%	88.6%	92.8%	6.73	159.0	5.64	148.3
38	14-Nov-04	107	7.40	6.49	9.95	2.00	2.06	144	82.3		11.9	6.25		42.8%	85.5%	92.4%	7.32	172.9	6.41	168.7
39	16-Nov-04	107	7.40	6.17	9.92	2.00	1.97	158	77.6		9.16	9.87		50.9%	88.2%	87.3%	6.90	163.0	5.76	151.4
39	18-Nov-04	108	7.35	5.97	10.07	1.99	1.90	161	70.2		8.26	5.07		56.4%	88.2%	92.8%	6.20	146.5	5.03	132.4
39	20-Nov-04	107	7.40	6.16	9.98	2.00	1.96	180	68.8		29.8	5.27		61.8%	56.7%	92.3%	6.12	144.5	5.09	134.0
40	22-Nov-04	106		6.12	9.86		1.95	196	88.4			8.28		54.9%		90.6%			6.50	171.0
PHASE 1																				
42	7-Dec-04		7.30	6.19		1.97	1.97			105		12.1	6.84		88.5%	93.5%	9.21	217.6	7.80	205.3
42	9-Dec-04		7.40	6.20		2.00	1.97			79.1		11.6	4.47		85.3%	94.3%	7.03	166.2	5.89	155.0
42	11-Dec-04		6.38	6.32		1.73	2.01			94.8		16	5.25		83.1%	94.5%	7.27	171.8	7.20	189.3
42	13-Dec-04		7.35	6.42		1.99	2.04			76.9			4.2			94.5%	6.79	160.5	5.93	156.1
PHASE 2																				
Week 17-18 Average		82.88	7.49	6.64	7.71	2.02	2.11	171.50	88.3		14.32	5.87		49.2%	84.4%	91.1%	7.95	187.88	6.54	172.08
Week 17-18 Min		46.50	7.40	5.93	4.33	2.00	1.89	158.00	65.6		8.63	5.87		40.0%	82.0%	91.1%	5.83	137.82	5.18	136.25
Week 17-18 Max		108.00	7.55	7.76	10.05	2.04	2.47	185.00	111.0		20.00	5.87		58.5%	86.8%	91.1%	10.07	237.94	7.90	207.91
PHASE 2																				
Week 28-40 Average		105.32	8.12	6.56	9.80	2.24	2.10	161.52	78.3	80.4	12.80	8.93		51.0%	83.2%	89.0%	7.52	177.69	5.89	154.82
Week 89-40 Min		87.67	6.38	4.89	8.16	1.75	1.55	100.00	56.0	57.5	6.71	3.99		34.7%	56.7%	63.9%	4.98	117.65	3.86	101.62
Week 89-40 Max		110.00	11.18	9.58	10.23	3.02	3.05	220.00	98.4	106.0	29.80	33.40		66.4%	90.5%	92.9%	13.17	311.04	9.13	240.30
PHASE 1																				
Week 42 Average		106.42	8.21	6.78		1.92	2.00		89.0		13.23	5.19		85.6%	94.2%		7.58	179.03	6.71	176.44
Week 42 Min		99.67	6.38	4.89		1.73	1.97		76.9		11.60	4.20		83.1%	93.5%		6.79	160.47	5.89	155.04
Week 42 Max		110.00	11.18	9.58		2.00	2.04		105.0		16.00	6.84		88.5%	94.5%		9.21	217.62	7.80	205.31

Values reported as less than (<) values are entered as a numeric value equal to half the detection level (ex. <7 is reported as 3.5) - colored boxes

- 1.5 = BIOFOR N Column Diameter, ft
- 2 = BIOFOR C Column Diameter, ft
- 12.1 = BIOFOR C & N Media Depth, ft

- 2.17 = BIOSTYR Column Diameter, ft
- 11.48 = BIOSTYR Media Depth, ft

10.75 sf Densadeg surface area

Week	Comp Sample Start Date	Flow (gpm)			Flow (gpm/SF)			SCBOD Concentration (mg/L) ^(a)					Percent Removal			
		DENSADEG	BIOSTYR	BIOFOR C	DENSADEG	BIOSTYR	BIOFOR C	3-Dinf	13-Inf	13-Inf-2	13-BSEff	13-BFCEff	DENSADEG	BIOSTYR	Biofor C	
PHASE 2																
17	18-Jun-04	108	7.55	5.93	10.05	2.04	1.89	83.8	62.1		10.6			25.9%	82.9%	
17	21-Jul-04	79	7.50	7.76	7.35	2.03	2.47									
18	23-Jul-04	98	8	6.29	9.12	2.03	2.00									
18	25-Jul-04	47	7	6.57	4.33	2.00	2.09	71.60	40.20		4.10	3.46	43.9%	89.8%	91.4%	
Phase II was restarted																
28	2-Sep-04	105	7.55	5.13	9.77	2.04	1.63	72.9	72.4		7.59	7.24	0.7%	89.5%	90.0%	
28	4-Sep-04	96	7.60	6.50	8.93	2.05	2.07	76.1	49.8		5.13	24.4	34.6%	89.7%	51.0%	
29	6-Sep-04	108	7.55		10.00	2.04		82.8	54.7		5.96		33.9%	89.1%		
29	8-Sep-04	88	7.57		8.16	2.05		70.6	46.3		5.28		34.4%	88.6%		
29	10-Sep-04	109	7.57		10.14	2.05		56.8	41.7		3.24		26.6%	92.2%		
29	12-Sep-04	102	7.53		9.49	2.04		73.9	34.5		4.01		53.3%	88.4%		
33	5-Oct-04	106	7.95	6.38	9.89	2.15	2.03	59.4	40.2		4.83	3	32.3%	88.0%	92.5%	
33	9-Oct-04	108	6.47	6.24	10.00	1.75	1.99	72	47.7		3	3	33.8%	93.7%	93.7%	
34	11-Oct-04	110	7.07	6.26	10.23	1.91	1.99	69.6	48.6		3	3	30.2%	93.8%	93.8%	
34	15-Oct-04	100	7.20	5.17	9.27	1.95	1.64	67.7	45.6	65.5	3	3	32.6%	93.4%	93.4%	
34	17-Oct-04	109	6.65	6.11	10.14	1.80	1.94	57.7	42.1	60.5	4.67	3	27.0%	88.9%	92.9%	
35	19-Oct-04	109	11.18	6.37	10.16	3.02	2.03	32.3	30	38.9	3.65	3	7.1%	87.8%	90.0%	
35	21-Oct-04	104	11.10	8.53	9.64	3.00	2.72	36.6	38.4	36.2	3	3	-4.9%	92.2%	92.2%	
35	23-Oct-04	107	11.00	9.58	9.98	2.97	3.05	53.8	44.6	62.4	4.08	4.76	17.1%	90.9%	89.3%	
36	25-Oct-04	107	11.17	8.59	9.98	3.02	2.73	52.9	59.1	57	4.22	6.21	-11.7%	92.9%	89.5%	
36	29-Oct-04	106	11.10	9.02	9.83	3.00	2.87	31.6	39.6	40.9	4.62	3	-25.3%	88.3%	92.4%	
36	31-Oct-04	106	11.13	7.49	9.85	3.01	2.38	34	46.8	51	6.26	3	-37.6%	86.6%	93.6%	
37	2-Nov-04	108	8.63	4.89	10.05	2.33	1.55	44.7	45.7	50.9	3	3	-2.2%	93.4%	93.4%	
37	4-Nov-04	106	7.40	6.11	9.86	2.00	1.94	32.3	36.3	42.9	3	3	-12.4%	91.7%	91.7%	
38	8-Nov-04	107	7.50	6.12	9.95	2.03	1.95	76.5	66.4	65.8	3.8	3.08	13.2%	94.3%	95.4%	
38	10-Nov-04	101	7.37	6.32	9.36	1.99	2.01	48.3	45.7	53.7	3.24	3	5.4%	92.9%	93.4%	
38	12-Nov-04	108	7.47	6.26	10.05	2.02	1.99	53.8	52.8	56.2	3.27	3	1.9%	93.8%	94.3%	
38	14-Nov-04	107	7.40	6.49	9.95	2.00	2.06	46.3	47		3.12	3	-1.5%	93.4%	93.6%	
39	16-Nov-04	107	7.40	6.17	9.92	2.00	1.97	55.1	55.2		3.48	3.5	-0.2%	93.7%	93.7%	
39	18-Nov-04	108	7.35	5.97	10.07	1.99	1.90	48.7	50.2		3	3	-3.1%	94.0%	94.0%	
39	20-Nov-04	107	7.40	6.16	9.98	2.00	1.96	74.2	47.4		21.7	3	36.1%	54.2%	93.7%	
40	22-Nov-04	106	6.12	6.12	9.86	1.95	1.95	80.1	55.3			3.66	31.0%		93.4%	
PHASE 1																
42	7-Dec-04		7.30	6.19		1.97	1.97		71.7		6.06	3		91.5%	95.8%	
42	9-Dec-04		7.40	6.20		2.00	1.97		62.6		6.94	3		88.9%	95.2%	
42	11-Dec-04		6.38	6.32		1.73	2.01		74.1		7.96	3		89.3%	96.0%	
42	13-Dec-04		7.35	6.42		1.99	2.04		58.5			3			94.9%	
PHASE 2																
Week 17-18 Average		82.88	7.49	6.64	7.71	2.02	2.11	77.70	51.15		7.35	3.46	34.9%	86.4%	91.4%	
Week 17-18 Min		46.50	7.40	5.93	4.33	2.00	1.89	71.60	40.20		4.10	3.46	25.9%	82.9%	91.4%	
Week 17-18 Max		108.00	7.55	7.76	10.05	2.04	2.47	83.80	62.10		10.60	3.46	43.9%	89.8%	91.4%	
PHASE 2																
Week 28-40 Average		105.32	8.28	6.61	9.80	2.24	2.10	57.80	47.56	52.45	4.74	4.38	13.0%	89.8%	90.9%	
Week 28-40 Min		87.67	6.47	4.89	8.16	1.75	1.55	31.60	30.00	36.20	3.00	3.00	-37.6%	54.2%	51.0%	
Week 28-40 Max		110.00	11.18	9.58	10.23	3.02	3.05	82.80	72.40	65.80	21.70	24.40	53.3%	94.3%	95.4%	
PHASE 1																
Week 42 Average			7.11	6.28		1.92	2.00		66.73		6.99	3.00		89.9%	95.5%	
Week 42 Min			6.38	6.19		1.73	1.97		58.50		6.06	3.00		88.9%	94.9%	
Week 42 Max			7.40	6.42		2.00	2.04		74.10		7.96	3.00		91.5%	96.0%	

Values reported as less than (<) values are entered as a numeric value equal to half the detection level (ex. <7 is reported as 3.5) - colored boxes

1.5 = BIOFOR N Column Diameter, ft
2 = BIOFOR C Column Diameter, ft
12.1 = BIOFOR C & N Media Depth, ft

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11.48 = BIOSTYR Media Depth, ft

10.75 sf Densadeg surface area

Week	Comp Sample Start Date	DENSEADEG	Flow (gpm)		Flow (gpm/SF)		COD Concentration (mg/L)					Percent Removal			COD Loading - BS		COD Loading - BFC						
			BIOSTYR	BIOFOR C	DENSEADEG	BIOSTYR	BIOFOR C	3-DINF	13-INF	13-INF-2	13-BSEff	13-BFCEff	DENSEADEG	BIOSTYR	Biofor C	lb/d	lb/d/kcf	lb/d	lb/d/kcf				
PHASE 2																							
17	17-Jun-04	107	7.50	6.12	9.95	2.03	1.95				277			93	69.5	66.4%	74.9%	25.0	590	20.4	536		
17	18-Jun-04	108	7.55	5.93	10.05	2.04	1.89				300			95	68.3%	68.3%	27.2	643	21.4	562			
17	19-Jun-04	94	7.45	6.15	8.74	2.01	1.96				264			109	86	58.7%	67.4%	23.6	558	19.5	513		
17	20-Jun-04	79	7.50	7.76	7.35	2.03	2.47				264			107	54	59.5%	79.5%	23.8	562	24.6	648		
18	21-Jun-04	80	7.55	6.29	7.44	2.04	2.00				249			73	63	70.7%	74.7%	22.6	534	18.8	495		
18	22-Jun-04	98	7.50	6.29	9.12	2.03	2.00				248			119	57	52.0%	77.0%	22.4	528	18.7	493		
18	23-Jun-04	86	7.15	6.21	8.00	1.93	1.98				186			73	65	60.8%	65.1%	16.0	378	13.9	365		
18	24-Jun-04	47	7.40	6.57	4.33	2.00	2.09				173			81	45	53.2%	74.0%	15.4	363	13.7	359		
18	25-Jun-04		7.55	6.27		2.04	1.99																
Phase II was restarted																							
28	2-Sep-04	105	7.55	5.13	9.77	2.04	1.63				653	185		74	76	71.7%	60.0%	58.9%	16.8	397	11.4	300	
28	3-Sep-04	98	7.47	4.99	9.09	2.02	1.59				633	177		58	40	72.0%	67.2%	77.4%	15.9	375	10.6	279	
28	4-Sep-04	96	7.80	6.50	8.93	2.05	2.07				620	229		84	94	63.1%	63.3%	59.0%	20.9	494	17.9	471	
28	5-Sep-04	107	7.47	5.15	9.95	2.02	1.64				585	192		71	147	67.2%	63.0%	23.4%	17.2	407	11.9	313	
29	6-Sep-04	108	7.55		10.00	2.04					599	200		64		66.6%	68.0%		18.1	429			
29	7-Sep-04	104	7.57		9.70	2.05					684	332		72		51.5%	78.3%		30.2	713			
29	8-Sep-04	88	7.57		8.16	2.05					637	275		94		56.8%	65.8%		25.0	591			
29	9-Sep-04	77	7.53		7.13	2.04					609	212		81		65.2%	61.8%		19.2	453			
29	10-Sep-04	109	7.57		10.14	2.05					564	196		73.5		65.2%	62.5%		17.8	421			
29	11-Sep-04	104	7.50		9.67	2.03					629	299		98		52.5%	67.2%		26.9	637			
29	12-Sep-04	102	7.53		9.49	2.04					392	188		93		52.0%	50.5%		17.0	402			
31	26-Sep-04										602	525				12.8%		82.1%					
33	5-Oct-04	106	7.95	6.38	9.89	2.15	2.03				597	182		62	36.5	69.5%	65.9%	79.9%	17.4	411	14.0	367	
33	6-Oct-04	108	7.50	6.18	10.05	2.03	1.97				577	164		55	35	71.6%	66.5%	78.7%	14.8	349	12.2	320	
33	7-Oct-04	112	7.30	6.26	10.45	1.97	1.99				604	164		50	36	72.8%	69.5%	78.0%	14.4	340	12.3	325	
33	8-Oct-04	220	7.43	5.95	20.43	2.01	1.89				635	143		40	39	77.5%	72.0%	72.7%	12.8	302	10.2	269	
33	9-Oct-04	108	6.47	6.24	10.00	1.75	1.99				579	190		42	45	67.2%	77.9%	76.3%	14.8	349	14.3	375	
33	10-Oct-04	110	6.85	6.39	10.23	1.85	2.03				566	225		61	42	60.2%	72.9%	81.3%	18.5	438	17.3	454	
34	11-Oct-04	110	7.07	6.26	10.23	1.91	1.99				572	156		45	42	72.7%	71.2%	73.1%	13.2	313	11.7	309	
34	12-Oct-04	109	7.23	5.90	10.14	1.96	1.88				597	202	217	58	42	66.2%	71.3%	79.2%	17.6	415	14.3	377	
34	14-Oct-04	106	7.70	6.58	9.86	2.08	2.09				673	144	176	64	304	78.6%	55.6%	-111.1%	13.3	315	11.4	300	
34	15-Oct-04	100	7.20	5.17	9.27	1.95	1.64				599	197	181	43	35	67.1%	78.2%	82.2%	17.0	403	12.2	322	
34	16-Oct-04	104	6.80	6.18	9.63	1.84	1.97				482	193	179	45	38	60.8%	76.7%	80.3%	15.8	373	14.3	377	
34	17-Oct-04	109	6.85	6.11	10.14	1.80	1.94				548	158	234	76	44	71.2%	51.9%	72.2%	12.6	298	11.6	305	
35	18-Oct-04	109	11	9	10.09	3.00	2.90				633	315	160	58	40	50.2%	81.6%	87.3%	42.0	993	34.5	909	
35	19-Oct-04	109	11.18	6.37	10.16	3.02	2.03				534	129	149	85	44	75.8%	34.1%	65.9%	17.3	409	9.9	260	
35	20-Oct-04	108	11.10	10.05	10.05	3.00	2.93				476	177	128	36	62	62.8%	79.7%	79.7%	23.6	558	19.6	515	
35	21-Oct-04	104	11.10	8.53	9.64	3.00	2.72				506	177	146	59	48	65.0%	66.7%	72.9%	23.6	558	18.2	478	
35	22-Oct-04	108	11.06	9.20	10.05	2.99	2.93				550	162	171	55	74.5	70.5%	66.0%	54.0%	21.5	509	17.9	471	
35	23-Oct-04	107	11.00	9.58	9.98	2.97	3.05				604	141	158	50	53	76.7%	64.5%	62.4%	18.6	440	16.2	427	
35	24-Oct-04	107	11.03	9.41	9.95	2.98	3.00				515	158		63	71	69.3%	60.1%	55.1%	20.9	495	17.9	470	
36	25-Oct-04	107	11.17	8.59	9.98	3.02	2.73				575	171	182	47	70	70.3%	72.5%	59.1%	22.9	542	17.7	464	
36	26-Oct-04	107	11.17	9.39	9.95	3.02	2.99				401	142	137	47	49	64.6%	66.9%	65.5%	19.1	450	16.0	421	
36	27-Oct-04	103	7.30	7.48	9.58	1.97	2.38				392	256		100	60	34.7%	60.9%	76.6%	22.5	531	23.0	606	
36	28-Oct-04	105	11.07	9.27	9.74	2.99	2.95				474	187	126	45	35	60.5%	75.9%	81.3%	24.9	588	20.8	548	
36	29-Oct-04	106	11.10	9.02	9.83	3.00	2.87				531	391	221	76	49.5	26.4%	80.6%	87.3%	52.2	1232	42.4	1115	
36	30-Oct-04	107	11.15	9.67	9.92	3.01	3.08				476	260	286	109	58	45.4%	58.1%	77.7%	34.8	823	30.2	795	
36	31-Oct-04	106	11.13	7.49	9.85	3.01	2.38				527	257	294	110	50	51.2%	57.2%	80.5%	34.4	812	23.1	609	
37	1-Nov-04	86	11.03	6.83	7.97	2.98	2.17				1040	165	188	57	41	84.1%	65.5%	75.2%	21.9	517	13.5	356	
37	2-Nov-04	108	8.63	4.89	10.05	2.33	1.55				515	176	218	61	41	65.8%	65.3%	76.7%	18.3	431	10.3	272	
37	3-Nov-04	107	7.40	6.44	9.95	2.00	2.05				535	166	177	54	41	69.0%	67.5%	75.3%	14.8	349	12.8	338	
37	4-Nov-04	106	7.40	6.11	9.86	2.00	1.94				440	165	161	51	46	62.5%	69.1%	72.1%	14.7	347	12.1	319	
37	5-Nov-04																						
37	6-Nov-04	108	7.80	5.86	10.02	2.11	1.87																
37	7-Nov-04	108	7.30	6.02	10.05	1.97	1.92																
38	8-Nov-04	107	7.50	6.12	9.95	2.03	1.95				541	230	214	61	42.5	57.5%	73.5%	81.5%	20.7	490	16.9	445	
38	9-Nov-04	107	7.40	6.24	9.93	2.00	1.99				691	145	156	54	37	79.0%	62.8%	74.5%	12.9	305	10.9	286	
38	10-Nov-04	101	7.37	6.32	9.36	1.99	2.01				495	182	174	52	42	63.2%	71.4%	76.9%	16.1	381	13.8	364	
38	11-Nov-04	105	7.40	6.27	9.77	2.00	2.00				489	151	166	56	43	69.1%	62.9%	71.5%	13.4	317	11.4	299	
38	12-Nov-04	108	7.47	6.26	10.05	2.02	1.99				524	174	164	48	42	66.8%	72.4%	75.9%	15.6	369	13.1	344	
38	13-Nov-04	107	7.40	5.83	9.95	2.00	1.86				458	191	195	57	42	58.3%	70.2%	78.0%	17.0	401	13.4	352	
38	14-Nov-04	107	7.40	6.49	9.95	2.00	2.06				502	147		58	41	70.7%	60.5%	72.1%	13.1	309	11.5	301	
39	15-Nov-04	109	7.43	6.26	10.11	2.01	1.99				500	203		52	41	59.4%	74.4%	79.8%	18.1	428	15.3	402	
39	16-Nov-04	107	7.40	6.17	9.92	2.00	1.97				585	161		60	56.5	72.5%	62.7%	64.9%	14.3	338	11.9	314	
39	17-Nov-04	107	7.43	6.30	9.98	2.01	2.01				627	161		55	44	74.3%	65.8%	72.7%	14.4	340	12.2	321	
39	18-Nov-04	108	7.35	5.97	10.07	1.99	1.90				571	178		54	40	68.8%	69.7%	77.5%	15.7	371	12.8	336	
39	19-Nov-04	108	7.40	5.25	10.02	2.00	1.67				582	112		57	45	80.8%	49.1%	59.8%	10.0	235	7.1	186	
39	20-Nov-04	107	7.40	6.16	9.98	2.00	1.96				530	164		91	34	69.1%	44.5%	79.3%	14.6	345	12.1	319	
39	21-Nov-04	107	7.40	6.13	9.95	2.00	1.95				663	148		45	77.7%		69.6%	13.2	311	10.9	287		
4																							

Week	Comp Sample Start Date	DENSEDEG	Flow (gpm)			Flow (gpm/SF)			O-PO ₄ (as P) Concentration (mg/L)					Percent Removal			COD Concentration (mg/L)			Ortho-P : COD Ratio			Total-PO ₄ (as P) Concentration (mg/L)				Percent Removal		
			BIOSTYR	BIOFOR C	DENSEDEG	BIOSTYR	BIOFOR C	3-Dinfl	13-Inf	13-Inf 2	13-BSEff	13-BFCEff	DENSEDEG	BIOSTYR	Biofor C	13-Inf	13-BSEff	13-BFCEff	13-Inf	13-BSEff	13-BFCEff	13-Inf	13-Inf 2	13-BSEff	13-BFCEff	BIOSTYR	Biofor C		
PHASE 2																													
17	17-Jun-04	107	7.50	6.12	9.95	1.95	2.03	1.25	0.072		0.085	0.098	94.2%	-18.1%	-36.1%	277	93	69.5	0.0003	0.0009	0.0014								
17	18-Jun-04	108	7.55	5.93	10.05	1.89	2.04	2.02	0.042		0.08	0.08	97.9%	-90.5%		300	85		0.0001	0.0008									
17	19-Jun-04	94	7.45	6.15	8.74	2.01	1.98	1.53	0.14		0.12	0.22	90.8%	14.3%	-57.1%	284	109	86	0.0005	0.0011	0.0026								
17	20-Jun-04	79	7.50	7.76	7.35	2.03	2.47	1.86	0.169		0.111	0.478	90.9%	34.3%	-182.8%	264	107	54	0.0006	0.0010	0.0089								
17	21-Jun-04	80	7.55	6.29	7.44	2.04	2.00	1.49	0.13		0.16	0.415	91.3%	-23.1%	-219.2%	249	73	63	0.0005	0.0022	0.0066	2.45		0.82	0.01	66.5%	99.4%		
18	22-Jun-04	98	7.50	6.29	9.12	2.03	2.00	1.65	0.171		0.089	0.925	89.6%	48.0%	-440.9%	248	119	57	0.0007	0.0007	0.0162								
18	23-Jun-04	86	7.15	6.21	8.00	1.93	1.98	0.822	0.131		0.126	0.499	84.1%	3.8%	-280.9%	186	73	65	0.0007	0.0017	0.0077	1.96		0.90	0.02	54.1%	99.1%		
18	24-Jun-04	47	7.40	6.57	4.33	2.00	2.09	1.74	0.158		0.131	0.125	90.9%	17.1%	20.9%	173	81	45	0.0009	0.0016	0.0028								
18	25-Jun-04		7.55	6.27		2.04	1.99	1.71	0.023		0.061	0.073	98.7%	-165.2%	-217.4%														
Phase II was restarted																													
28	2-Sep-04	105	7.55	5.13	9.77	2.04	1.63	1.28	0.046		0.148	0.146	96.4%	-221.7%	-217.4%	185	74	76	0.0002	0.0020	0.0019								
28	3-Sep-04	98	7.47	4.99	9.09	2.02	1.59	2.94	0.035		0.119	0.099	98.6%	-240.0%	-182.9%	177	58	40	0.0002	0.0021	0.0025								
28	5-Sep-04	96	7.60	6.50	8.93	2.05	2.07	2.27	0.126		0.156	0.167	94.4%	-23.8%	-32.5%	192	71	147	0.0007	0.0022	0.0011								
28	6-Sep-04	107	7.47	5.15	9.95	2.02	1.64	1.54	0.237		0.139	0.139	84.6%	41.4%		200	64		0.0012	0.0022									
29	7-Sep-04	108	7.55		10.00	2.04		2.31	0.207		0.176	0.176	91.0%	15.0%		332	72		0.0006	0.0024									
29	8-Sep-04	104	7.57		9.70	2.05		2.17	0.088		0.055	0.055	95.9%	37.5%		275	94		0.0003	0.0006									
29	9-Sep-04	88	7.57		8.16	2.05		1.8	0.026		0.048	0.048	98.6%	-84.6%		212	81		0.0001	0.0006		3.10		1.18		61.9%			
29	10-Sep-04	77	7.53		7.13	2.04		1.79	0.046		0.059	0.059	97.4%	-28.3%		196	73.5		0.0004	0.0007									
29	11-Sep-04	109	7.57		10.14	2.05		2.15	0.125		0.065	0.065	94.2%	48.0%		299	98		0.0004	0.0007									
29	12-Sep-04	104	7.50		9.67	2.03		3.61	0.089		0.076	0.076	97.5%	14.6%		188	83		0.0005	0.0008									
33	5-Oct-04	106	7.95	6.38	8.89	2.15	2.03	2.25	0.076		0.051	0.088	96.6%	32.9%	-15.8%	182	62	36.5	0.0004	0.0008	0.0024								
33	6-Oct-04	108	7.50	6.18	10.05	2.03	1.97	1.64	0.039		0.066	0.091	97.6%	-69.2%		164	55	35	0.0002	0.0012	0.0026								
33	7-Oct-04	112	7.30	6.26	10.45	1.97	1.99	0.91	0.045		0.088	0.048	95.1%	-65.6%	-6.7%	164	50	36	0.0003	0.0018	0.0013								
33	8-Oct-04	220	7.43	5.95	20.43	2.01	1.89	2.1	0.044		0.087	0.047	97.9%	-97.7%		143	40	39	0.0003	0.0022	0.0010								
33	9-Oct-04	108	6.47	6.24	10.00	1.75	1.99	1.6	0.057		0.097	0.059	96.4%	-70.2%	-3.5%	190	42	45	0.0003	0.0023	0.0013								
33	10-Oct-04	110	6.85	6.39	10.23	1.85	2.03	0.84	0.064		0.082	0.079	92.4%	-28.1%	-23.4%	225	61	42	0.0003	0.0013	0.0019								
34	11-Oct-04	104	7.07	6.26	10.23	1.91	1.99	0.45	0.068		0.058	0.055	84.9%	14.7%	19.1%	156	45	42	0.0004	0.0013	0.0013	1.66		0.37	0.42	77.6%	74.9%		
34	12-Oct-04	109	7.23	5.90	10.14	1.96	1.88	1.73	0.129	0.087	0.054	0.054	92.5%	58.1%	58.1%	202	58	42	0.0006	0.0009	0.0013								
34	14-Oct-04	105	7.70	6.58	9.86	2.08	2.09	1.17	0.064		0.057	0.346	100.0%			144	64	304	0.0000	0.0009	0.0011	1.57		0.52	7.04	67.1%	-350.0%		
34	16-Oct-04	106	6.77	6.19	9.80	1.83	1.97	0.915	0.053		0.09	0.078	92.3%	-28.6%	-11.4%	193	45	38	0.0004	0.0020	0.0021								
34	17-Oct-04	109	6.65	6.11	10.14	1.80	1.84	1.22	0.06	0.165	0.08	0.08	95.1%	-33.3%	-33.3%	158	76	44	0.0004	0.0011	0.0018								
35	18-Oct-04	109	11.10	9.13	10.09	3.00	2.90	0.8	0.04	0.089	0.077	0.062	95.0%	-92.5%	-55.0%	315	58	40	0.0001	0.0013	0.0016	1.30		0.35	0.28	73.0%	78.5%		
35	19-Oct-04	109	11.18	6.37	10.16	3.02	2.03	0.865	0.05	0.04	0.056	0.06	94.2%	-12.0%	-20.0%	129	85	44	0.0004	0.0007	0.0014								
35	20-Oct-04	108	11.10	9.20	10.05	3.00	2.93	0.57	0.06	0.058	0.036	0.036	89.5%	40.0%		177			0.0003	0.0010	0.0010	0.88		0.22		75.6%			
35	21-Oct-04	104	11.10	8.53	9.64	3.00	2.72	0.82	0.033	0.030	0.041	0.06	96.0%	-24.2%	-81.8%	177	59	48	0.0002	0.0007	0.0013								
35	23-Oct-04	108	11.06	9.20	10.05	2.99	2.93	1.24	0.033	0.033	0.03	0.033	97.3%	9.1%		141	50	53	0.0002	0.0006	0.0006								
35	24-Oct-04	107	11.00	9.58	9.98	2.97	3.05	1.07	0.033	0.033	0.033	0.04	96.9%		-21.2%	158	63	71	0.0002	0.0005	0.0006								
36	25-Oct-04	107	11.03	9.41	9.95	2.98	3.00	1.32	0.033	0.033	0.033	0.037	97.5%		-12.1%	171	47	70	0.0002	0.0007	0.0005								
36	26-Oct-04	107	11.17	9.39	9.95	3.02	2.99	1.56	0.035	0.067	0.051	0.033	97.8%	-45.7%	5.7%	142	47	49	0.0002	0.0011	0.0007	1.37		0.62	0.48	54.8%	64.8%		
36	27-Oct-04	103	7.30	7.48	9.58	1.97	2.38	0.655	0.033	0.033	0.044	0.033	95.0%	-33.3%	0.0%	256	100	60	0.0001	0.0004	0.0006								
36	28-Oct-04	105	11.07	9.27	9.74	2.99	2.95	0.64	0.033	0.033	0.039	0.033	94.8%	-18.2%	0.0%	187	45	35	0.0002	0.0009	0.0009	0.65		0.28	0.16	57.0%	75.0%		
36	29-Oct-04	106	11.10	9.02	9.83	3.00	2.87									187	45	35											
36	30-Oct-04	107	11.15	9.67	9.92	3.01	3.08	0.73	0.033	0.033	0.027	0.03	95.5%	18.2%	9.1%	391	76	49.5	0.0001	0.0004	0.0006								
36	31-Oct-04	106	11.13	7.49	9.85	3.01	2.38	0.675	0.04	0.03	0.024	0.03	94.1%	40.0%	25.0%	260	109	58	0.0002	0.0002	0.0005								
37	1-Nov-04	86	11.03	6.83	7.97	2.98	2.17	0.77	0.05	0.033	0.038	0.03	93.5%	24.0%	0.0%	257	110	50	0.0002	0.0003	0.0010	1.30		0.55	0.28	57.5%	78.5%		
37	2-Nov-04	107	8.63	4.89	10.05	2.33	1.55	0.645	0.05	0.033	0.047	0.05	92.2%	6.0%	0.0%	165	57	41	0.0003	0.0008	0.0012								
37	3-Nov-04	108	7.40	6.44	9.95	2.00	2.05	0.835	0.02	0.033	0.041	0.04	97.6%	-105.0%	-100.0%	176													

Week	Comp Sample Start Date	Flow (gpm)			Flow (gpm/SF)			Alkalinity (as HCO ₃) Concentration (mg/L)					Percent Removal	
		DENSADEG	BIOSTYR	BIOFOR C	DENSADEG	BIOSTYR	BIOFOR C	3-Dinf	13-Inf	13-Inf 2	13-BSEff	13-BFCEff	BIOSTYR	Biofor C
PHASE 2														
17	17-Jun-04	107	7.50	6.12	9.95	2.03	1.95	291	257		241	252	6.2%	1.9%
17	18-Jun-04	108	7.55	5.93	10.05	2.04	1.89	294	260		243	253	6.5%	
17	19-Jun-04	94	7.45	6.15	8.74	2.01	1.96	286	248		243	253	2.0%	-2.0%
17	20-Jun-04	79	7.50	7.76	7.35	2.03	2.47	274	250		241	246	3.6%	1.6%
17	21-Jun-04	80	7.55	6.29	7.44	2.04	2.00	296	252		241	250	4.4%	0.8%
18	22-Jun-04	98	7.50	6.29	9.12	2.03	2.00	279	253		250	260	1.2%	-2.8%
18	23-Jun-04	86	7.15	6.21	8.00	1.93	1.98	274	233		238	241	-2.1%	-3.4%
18	24-Jun-04	47	7.40	6.57	4.33	2.00	2.09	297	245		235	230	4.1%	6.1%
18	25-Jun-04		7.55	6.27		2.04	1.99	282	200		196	204	2.0%	-2.0%
Phase II was restarted														
28	2-Sep-04	105	7.55	5.13	9.77	2.04	1.63	284	247		239	199	3.2%	19.4%
28	3-Sep-04	98	7.47	4.99	9.09	2.02	1.59	278	244		230	166	5.7%	32.0%
28	4-Sep-04	96	7.60	6.50	8.93	2.05	2.07	271	241		230	228	4.6%	5.4%
28	5-Sep-04	107	7.47	5.15	9.95	2.02	1.64	269	235		229	281	2.6%	-19.6%
29	6-Sep-04	108	7.55		10.00	2.04		268	236		230		2.5%	
29	7-Sep-04	104	7.57		9.70	2.05		281	241		221		8.3%	
29	8-Sep-04	88	7.57		8.16	2.05		272	228		221		3.1%	
29	9-Sep-04	77	7.53		7.13	2.04		279	226		219		3.1%	
29	10-Sep-04	109	7.57		10.14	2.05		260	224		207		7.6%	
29	11-Sep-04	104	7.50		9.67	2.03		274	236		226		4.2%	
29	12-Sep-04	102	7.53		9.49	2.04		338	224		224			
31	26-Sep-04							266	237			164		30.8%
33	5-Oct-04	106	7.95	6.38	9.89	2.15	2.03	269	229		219	118	4.4%	48.5%
33	6-Oct-04	108	7.50	6.18	10.05	2.03	1.97	265	225		210	76.6	6.7%	66.0%
33	7-Oct-04	112	7.30	6.26	10.45	1.97	1.99	269	228		203	99.8	11.0%	56.2%
33	8-Oct-04	220	7.43	5.95	20.43	2.01	1.89	264	215		194	94.9	9.8%	55.9%
33	9-Oct-04	108	6.47	6.24	10.00	1.75	1.99	268	229		189	117	17.5%	48.9%
33	10-Oct-04	110	6.85	6.39	10.23	1.85	2.03	263	229		201	122	12.2%	46.7%
34	11-Oct-04	110	7.07	6.26	10.23	1.91	1.99	256	221		185	107	16.3%	51.6%
34	12-Oct-04	109	7.23	5.90	10.14	1.96	1.88	275	243	250	213	139	12.3%	42.8%
34	14-Oct-04	106	7.70	6.58	9.86	2.08	2.09	272	208	241	208	265		
34	15-Oct-04	100	7.20	5.17	9.27	1.95	1.64	258	229	230	198	112	13.5%	51.1%
34	16-Oct-04	104	6.80	6.18	9.63	1.84	1.97	275	239	240	200	100	16.3%	58.2%
34	17-Oct-04	109	6.65	6.11	10.14	1.80	1.94	263	233	237	211	132	9.4%	43.3%
35	18-Oct-04	109	11	9	10.09	3.00	2.90	261	231	230	204	147	11.7%	36.4%
35	19-Oct-04	109	11.18	6.37	10.16	3.02	2.03	236	207	204	188	129	9.2%	37.7%
35	20-Oct-04	108	11.10	9.20	10.05	3.00	2.93	238	223	202	106			52.5%
35	21-Oct-04	104	11.10	8.53	9.64	3.00	2.72	251	217	214	197	144	9.2%	33.6%
35	22-Oct-04	108	11.06	9.20	10.05	2.99	2.93	262	218	223	200	185	8.3%	15.1%
35	23-Oct-04	107	11.00	9.58	9.98	2.97	3.05	263	221	226	206	193	6.8%	12.7%
35	24-Oct-04	107	11.03	9.41	9.95	2.98	3.00	251	216		206	198	4.6%	8.3%
36	25-Oct-04	107	11.17	8.59	9.98	3.02	2.73	265	226	224	215	210	4.9%	7.1%
36	26-Oct-04	107	11.17	9.39	9.95	3.02	2.99	271	250	242	229	216	8.4%	13.6%
36	27-Oct-04	103	7.30	7.48	9.58	1.97	2.38	213	168		155	128	7.7%	23.8%
36	28-Oct-04	105	11.07	9.27	9.74	2.99	2.95	241	197	196	188	162	4.6%	17.8%
36	29-Oct-04	106	11.10	9.02	9.83	3.00	2.87	249	224	226	213	188	4.9%	16.1%
36	30-Oct-04	107	11.15	9.67	9.92	3.01	3.08	251	232	235	225	213	3.0%	8.2%
36	31-Oct-04	106	11.13	7.49	9.85	3.01	2.38	250	222	229	224	151	-0.9%	32.0%
37	1-Nov-04	86	11.03	6.83	7.97	2.98	2.17	244	217	217	206	172	5.1%	20.7%
37	2-Nov-04	108	8.63	4.89	10.05	2.33	1.55	251	226	226	221	169	2.2%	25.2%
37	3-Nov-04	107	7.40	6.44	9.95	2.00	2.05	254	226	228	219	179	3.1%	20.8%
37	4-Nov-04	106	7.40	6.11	9.86	2.00	1.94	249	233	223	204	158	12.4%	32.2%
37	5-Nov-04													
37	6-Nov-04	108	7.80	5.86	10.02	2.11	1.87							
37	7-Nov-04	108	7.30	6.02	10.05	1.97	1.92							
38	8-Nov-04	107	7.50	6.12	9.95	2.03	1.95	267	239	238	226	175	5.4%	26.8%
38	9-Nov-04	107	7.40	6.24	9.93	2.00	1.99	255	224	222	208	163	7.1%	27.2%
38	10-Nov-04	101	7.37	6.32	9.36	1.99	2.01	259	218	218	210	166	3.7%	23.9%
38	11-Nov-04	105	7.40	6.27	9.77	2.00	2.00	268	234	231	220	173	6.0%	26.1%
38	12-Nov-04	108	7.47	6.26	10.05	2.02	1.99	277	247	240	233	181	5.7%	26.7%
38	13-Nov-04	107	7.40	5.83	9.95	2.00	1.86	272	240	241	229	183	4.6%	23.8%
38	14-Nov-04	107	7.40	6.49	9.95	2.00	2.06	265	243		225	181	7.4%	25.5%
39	15-Nov-04	109	7.43	6.26	10.11	2.01	1.99	261	239		226	185	5.4%	22.6%
39	16-Nov-04	107	7.40	6.17	9.92	2.00	1.97	284	243		229	191	5.8%	21.4%
39	17-Nov-04	107	7.43	6.30	9.98	2.01	2.01	281	251		235	191	6.4%	23.9%
39	18-Nov-04	108	7.35	5.97	10.07	1.99	1.90	292	256		236	186	7.8%	27.3%
39	19-Nov-04	108	7.40	5.25	10.02	2.00	1.67	289	208		234	196	-12.5%	5.8%
39	20-Nov-04	107	7.40	6.16	9.98	2.00	1.96	282	236		243	154	-3.0%	34.7%
39	21-Nov-04	107	7.40	6.13	9.95	2.00	1.95	275	232		189			18.5%
40	22-Nov-04	106		6.12	9.86		1.95	273	238		190			20.2%
PHASE 1														
42	6-Dec-04		7.30	6.19		1.97	1.97		248		240	167	3.2%	32.7%
42	7-Dec-04		7.40	6.26		2.00	1.99		255		243	155	4.7%	39.2%
42	8-Dec-04		7.40	6.20		2.00	1.97		262		247	155	5.7%	40.8%
42	9-Dec-04		7.45	6.39		2.01	2.03		255		248	145	2.7%	43.1%
42	10-Dec-04		6.38	6.32		1.73	2.01		253		246	166	2.8%	34.4%
42	11-Dec-04		7.50	6.48		2.03	2.06		251		245	183	2.4%	27.1%
42	12-Dec-04		7.35	6.42		1.99	2.04		248			179		27.8%
43	13-Dec-04		6.40	6.42		1.73	2.04		247			189		23.5%
PHASE 2														
Week 17-18 Average		87.31	7.46	6.40	8.12	2.02	2.04	285.89	244.2		236.4	242.0	3.1%	0.0%
Week 17-18 Min		46.50	7.15	5.93	4.33	1.93	1.89	274.00	200.0		196.0	204.0	-2.1%	-3.4%
Week 17-18 Max		108.00	7.55	7.76	10.05	2.04	2.47	297.00	260.0		250.0	260.0	6.5%	6.1%
PHASE 2														
Week 28-40 Average		107.11	8.32	6.78	9.96	2.25	2.16	265.56	229.3	227.1	214.4	165.5	6.5%	28.7%
Week 28-40 Min		76.67	6.47	4.89	7.13	1.75	1.55	213.00	168.0	196.0	155.0	76.6	-12.5%	-19.6%
Week 28-40 Max		219.67	11.18	9.67	20.43	3.02	3.08	338.00	256.0	250.0	243.0	281.0	17.5%	66.0%
PHASE 1														
Week 42 Average			7.15	6.33		1.93	2.02		252.4		244.8	167.4	3.6%	33.6%
Week 42 Min			6.38	6.19		1.73	1.97		224.0		240.0	145.0	2.4%	0.4%
Week 42 Max			7.50	9.00		2.03	2.86		266.0		248.0	265.0	5.7%	43.1%

Values reported as less than (<) values are entered as a numeric value equal to half the detection level (ex. <7 is reported as 3.5) - colored boxes

- 1.5 = BIOFOR N Column Diameter, ft
- 2 = BIOFOR C Column Diameter, ft
- 12.1 = BIOFOR C & N Media Depth, ft

- 2.17 = BIOSTYR Column Diameter, ft
- 11.48 = BIOSTYR Media Depth, ft

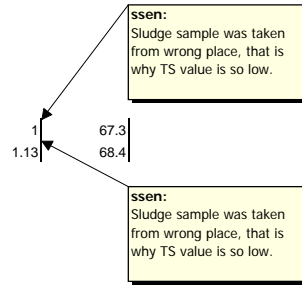
10.75 sf Densadeg surface area

Week	Comp Sample Start Date	Flow (gpm)			Flow (gpm/SF)			TSS Concentration (mg/L)				Percent Removal			TSS Loading - Ddeg		TSS Loading - BS		TSS Loading - BFC			
		DENSADEG	BIOSTYR	BIOFOR C	DENSADEG	BIOSTYR	BIOFOR C	3-Dinf	13-Inf	13-Inf 2	13-BSEff	13-BFCEff	DENSADEG	BIOSTYR	BIOFOR C	lb/d	lb/d/kcf	lb/d	lb/d/kcf	lb/d	lb/d/kcf	
PHASE 2																						
17	17-Jun-04	107	7.50	6.12	9.95	2.03	1.95	371	109		37.7	19	70.6%	65.4%	82.6%	477.1	621274.9	9.8	232.1	8.0	210.9	
17	18-Jun-04	108	7.55	5.93	10.05	2.04	1.89	325	148		44.7		54.5%	69.8%		421.8		13.4	317.2	10.5	277.2	
17	19-Jun-04	94	7.45	6.15	8.74	2.01	1.96	269	95.6		53.6	42.7	64.4%	44.1%	55.4%	303.9		8.6	202.6	7.1	186.1	
17	20-Jun-04	79	7.50	7.76	7.35	2.03	2.47	326	74.4		54.7	10.4	77.2%	26.5%	86.0%	309.5		6.7	158.4	6.9	182.5	
17	21-Jun-04	80	7.55	6.29	7.44	2.04	2.00	289	88.8		21	17.8	69.3%	76.4%	80.0%	277.6		8.1	190.3	6.7	176.6	
18	22-Jun-04	98	7.50	6.29	9.12	2.03	2.00	350	141		65.2	16.8	59.7%	53.8%	88.1%	412.2		12.7	300.2	10.7	280.4	
18	23-Jun-04	86	7.15	6.21	8.00	1.93	1.98	377	71.3		25.1	16	81.1%	64.8%	77.6%	389.6		6.1	144.7	5.3	139.9	
18	24-Jun-04	47	7.40	6.57	4.33	2.00	2.09	299	34.3		23.3	15.1	88.5%	32.1%	56.0%	167.1		3.1	72.1	2.7	71.2	
18	25-Jun-04		7.55	6.27		2.04	1.99	218	34.9		21	10	84.0%	39.8%	71.3%			3.2	74.8	2.6	69.1	
Phase II was restarted																						
28	2-Sep-04	105	7.55	5.13	9.77	2.04	1.63	323	55.8		24.3	24.9	82.7%	56.5%	55.4%	407.6		5.1	119.6	3.4	90.5	
28	3-Sep-04	98	7.47	4.99	9.09	2.02	1.59	277	50.8		16.3	7.92	81.7%	67.9%	84.4%	325.1		4.6	107.7	3.0	80.1	
28	4-Sep-04	96	7.60	6.50	8.93	2.05	2.07	280	108		31.2	39.4	61.4%	71.1%	63.5%	323.0		9.9	233.0	8.4	221.9	
28	5-Sep-04	107	7.47	5.15	9.95	2.02	1.64	256	67.7		26.8	66.1	73.6%	60.4%	2.4%	329.2		6.1	143.5	4.2	110.3	
29	6-Sep-04	108	7.55		10.00	2.04		138	84.6		66.5		38.7%	21.4%		178.3		7.7	181.3			
29	7-Sep-04	104	7.57		9.70	2.05		287	199		25.2		30.7%	87.3%		359.6		18.1	427.5			
29	8-Sep-04	88	7.57		8.16	2.05		287	150		53.3		47.7%	64.5%		302.4		13.6	322.2			
29	9-Sep-04	77	7.53		7.13	2.04		303	97.3		43.4		67.9%	55.4%		279.2		8.8	208.1			
29	10-Sep-04	109	7.57		10.14	2.05		279	85.5		45.3		69.4%	47.0%		365.5		7.8	183.7			
29	11-Sep-04	104	7.50		9.67	2.03		308	148		68.4		51.9%	53.8%		384.9		13.3	315.1			
29	12-Sep-04	102	7.53		9.49	2.04		306	95.8		64		68.7%	33.2%		375.1		8.7	204.9			
31	26-Sep-04							302	351				-16.2%		85.8%							
33	5-Oct-04	106	7.95	6.38	9.89	2.15	2.03	360	37.2		6.48	13.8	89.7%	82.6%	62.9%	460.0		3.6	84.0	2.9	75.0	
33	6-Oct-04	108	7.50	6.18	10.05	2.03	1.97	324	42.2		17.1	5.15	87.0%	59.5%	87.8%	420.5		3.8	89.9	3.1	82.4	
33	7-Oct-04	112	7.30	6.26	10.45	1.97	1.99	318	39.3		13.6	9.87	87.6%	65.4%	74.9%	429.3		3.4	81.5	3.0	77.8	
33	8-Oct-04	220	7.43	5.95	20.43	2.01	1.89	234	34.2		12.4	10.2	85.4%	63.7%	70.2%	617.7		3.1	72.2	2.4	64.3	
33	9-Oct-04	108	6.47	6.24	10.00	1.75	1.99	292	86.5		11.2	8.6	70.4%	87.1%	90.1%	377.2		6.7	158.8	6.5	170.7	
33	10-Oct-04	110	6.85	6.39	10.23	1.85	2.03	276	109		24.7	9.16	60.5%	77.3%	91.6%	364.8		9.0	212.0	8.4	220.0	
34	11-Oct-04	110	7.07	6.26	10.23	1.91	1.99	312	52.8		13	17.3	83.1%	75.4%	67.2%	412.4		4.5	105.9	4.0	104.4	
34	12-Oct-04	109	7.23	5.90	10.14	1.96	1.88	271	84		22.9	9.65	69.0%	72.7%	88.5%	355.0		7.3	172.5	6.0	156.7	
34	14-Oct-04	106	7.70	6.58	9.86	2.08	2.09	323	23.5		49.7				411.4							
34	15-Oct-04	105	6.77	6.19	9.80	1.83	1.97	282	38.9		46.7	16.3	7.26	86.2%	58.1%	81.3%	357.0		3.2	74.7	2.9	76.1
34	16-Oct-04	109	6.65	6.11	10.14	1.80	1.94	291	75.4		62.2	13.5	8.6	74.1%	82.1%	88.6%	381.2		6.0	142.3	5.5	145.6
34	17-Oct-04	109	11.10	9.13	10.09	3.00	2.90	297	87.5		86.8	36.3	12.9	70.5%	58.5%	85.3%	387.3		11.7	275.8	9.6	252.4
35	18-Oct-04	109	11.18	6.37	10.16	3.02	2.03	318	40.1		45.8	28	11.4	87.4%	30.2%	71.6%	417.5		5.4	127.2	3.1	80.8
35	19-Oct-04	109	11.18	6.37	10.16	3.02	2.03	324	109		48	41.3	9.64	66.4%	62.1%	91.2%	425.4		14.6	345.8	8.3	219.5
35	20-Oct-04	108	11.10	9.20	10.05	3.00	2.93	349	39.8		40		10.7	88.6%	73.1%	85.0%	453.0		5.3	125.4	4.4	115.8
35	21-Oct-04	104	11.10	8.53	9.64	3.00	2.72	279	48.5		44.2	18.7	15.3	82.6%	61.4%	68.5%	347.6					
35	22-Oct-04	108	11.06	9.20	10.05	2.99	2.93	298	37.6		50	21.3	28.4	87.4%	43.4%	24.5%	386.8		5.0	118.1	4.2	109.3
35	23-Oct-04	107	11.00	9.58	9.98	2.97	3.05	318	55.8		65.6	24.5	32.3	82.5%	56.1%	42.1%	410.2		7.4	174.3	6.4	169.0
35	24-Oct-04	107	11.03	9.41	9.95	2.98	3.00	247	76.5		25.5		39.8	69.0%	66.7%	48.0%	317.6		10.1	239.6	8.7	227.6
36	25-Oct-04	107	11.17	8.59	9.98	3.02	2.73	281	56.1		79.6	24.1	43.3	80.0%	57.0%	22.8%	362.4					
36	26-Oct-04	107	11.17	9.39	9.95	3.02	2.99	194	44.7		45.2	31.3	24	77.0%	30.0%	46.3%	249.5		6.0	141.7	5.0	132.6
36	27-Oct-04	103	7.30	7.48	9.58	1.97	2.38	282	128		88.4		34.5	54.6%	30.9%	73.0%	349.1					
36	28-Oct-04	105	11.07	9.27	9.74	2.99	2.95	258	42		43.4	16.9	9.5	83.7%	59.8%	77.4%	324.5		5.6	132.0	4.7	123.1
36	29-Oct-04	106	11.10	9.02	9.83	3.00	2.87	250	131		131	37.1	11.8	47.6%	71.7%	91.0%	317.5		17.5	412.8	14.2	373.4
36	30-Oct-04	107	11.15	9.67	9.92	3.01	3.08	231	150		182	60.9	20.6	35.1%	59.4%	86.3%	296.1		20.1	474.9	17.4	458.6
36	31-Oct-04	106	11.13	7.49	9.85	3.01	2.38	269	149		164	59.4	11.4	44.6%	60.1%	92.3%	342.5		19.9	471.0	13.4	352.8
37	1-Nov-04	86	11.03	6.83	7.97	2.98	2.17	246	49.6		48.6	20.2	7.1	79.8%	59.3%	85.7%	253.3		6.6	155.4	4.1	107.1
37	2-Nov-04	108	8.63	10.05	8.23	2.33	1.55	292	66.8		89.2	26.8	9.4	77.1%	59.9%	85.9%	379.0		6.9	163.7	3.9	103.2
37	3-Nov-04	107	7.40	6.44	9.95	2.00	2.05	284			57.6	20.5	8.15			365.2						
37	4-Nov-04	106	7.40	6.11	9.86	2.00	1.94	234			61.2	19.6	15.4			298.1						
37	5-Nov-04																					
37	6-Nov-04	108	7.80	5.86	10.02	2.11	1.87															
37	7-Nov-04	108	7.30	6.02	10.05	1.97	1.92															
38	8-Nov-04	107	7.50	6.12	9.95	2.03	1.95	251	79.7		84.8	29.7	8.12	68.2%	62.7%	89.8%	322.7		7.2	169.7	5.9	154.1
38	9-Nov-04	107	7.40	6.24	9.93	2.00	1.99	248	40.1		43.2	22.7	6.47	83.8%	43.4%	83.9%	318.1		3.6	84.2	3.0	79.1
38	10-Nov-04	101	7.37	6.32	9.36	1.99	2.01	227	50.4		56.2	19.5	7.28	77.8%	61.3%	85.6%	274.6		4.5	105.4	3.8	100.7
38	11-Nov-04	105	7.40	6.27	9.77	2.00	2.00	251	52.2		52.4	22.2	6.6	79.2%	57.5%	87.4%	31					

Week	Comp Sample Start Date	DENSADeg	Flow (gpm)		Flow (gpm/SF)			VSS Concentration (mg/L)					Percent Removal			VSS Loading - BS		VSS Loading - BFC	
			BIOSTYR	BIOFOR C	DENSADeg	BIOSTYR	BIOFOR C	3-Dinf	13-Inf	13-Inf 2	13-BSEff	13-BFCEff	DENSADeg	BIOSTYR	Biofor C	lb/d	lb/d/kcf	lb/d	lb/d/kcf
PHASE 2																			
17	17-Jun-04	107	7.50	6.12	9.95	2.03	1.95	307	78.7		29.2	13.8	74.4%	62.9%	82.5%	7.1	167.6	5.8	152.3
17	18-Jun-04	108	7.55	5.93	10.05	2.04	1.89	257	108		33.4		58.0%	69.1%		9.8	231.5	7.7	202.3
17	19-Jun-04	94	7.45	6.15	8.74	2.01	1.96	215	68.4		41.8	29.2	68.2%	38.9%	57.3%	6.1	144.7	5.1	132.9
17	20-Jun-04	79	7.50	7.76	7.35	2.03	2.47	284	57.4		44	8.43	79.8%	23.3%	85.3%	5.2	122.2	5.4	140.8
17	21-Jun-04	80	7.55	6.29	7.44	2.04	2.00	232	65.4		16.6	11.9	71.8%	74.6%	81.8%	5.9	140.2	4.9	130.0
18	22-Jun-04	98	7.50	6.29	9.12	2.03	2.00	289	112		51.4	14.7	61.2%	54.1%	86.9%	10.1	238.5	8.5	222.7
18	23-Jun-04	86	7.15	6.21	8.00	1.93	1.98	322	52.1		19.7	9.8	83.8%	62.2%	81.2%	4.5	105.8	3.9	102.2
18	24-Jun-04	47	7.40	6.57	4.33	2.00	2.09	231	26.9		17.5	11.5	88.4%	34.9%	57.2%	2.4	56.5	2.1	55.9
18	25-Jun-04		7.55	6.27		2.04	1.99	172	22.5		16	7.36	86.9%	28.9%	67.3%	2.0	48.2	1.7	44.6
Phase II was restarted																			
28	2-Sep-04	105	7.55	5.13	9.77	2.04	1.63	266	40.5		21.1	17.5	84.8%	47.9%	56.8%	3.7	86.8	2.5	65.7
28	3-Sep-04	98	7.47	4.99	9.09	2.02	1.59	226	34.3		12.2	5.96	84.8%	64.4%	82.6%	3.1	72.7	2.1	54.1
28	4-Sep-04	96	7.60	6.50	8.93	2.05	2.07	231	80.1		23.1	25	65.3%	71.2%	68.8%	7.3	172.8	6.3	164.6
28	5-Sep-04	107	7.47	5.15	9.95	2.02	1.64	218	48.9		20.4	25.3	77.6%	58.3%	48.3%	4.4	103.7	3.0	79.7
29	6-Sep-04	108	7.55		10.00	2.04		129	65		64.4		49.6%	0.9%		5.9	139.3		
29	7-Sep-04	104	7.57		9.70	2.05		243	151		18		37.9%	88.1%		13.7	324.4		
29	8-Sep-04	88	7.57		8.16	2.05		251	114		39.9		54.6%	65.0%		10.4	244.9		
29	9-Sep-04	77	7.53		7.13	2.04		254	72.7		32.2		71.4%	55.7%		6.6	155.5		
29	10-Sep-04	109	7.57		10.14	2.05		218	58.9		32.8		73.0%	44.3%		5.4	126.5		
29	11-Sep-04	104	7.50		9.67	2.03		258	114		53.8		55.8%	52.8%		10.3	242.7		
29	12-Sep-04	102	7.53		9.49	2.04		261	71.2		50.6		72.7%	28.9%		6.4	152.3		
31	26-Sep-04							247	279				-13.0%		86.7%				
33	5-Oct-04	106	7.95	6.38	9.89	2.15	2.03	292	25.7		5.44	12.2	91.2%	78.8%	52.5%	2.5	58.0	2.0	51.8
33	6-Oct-04	108	7.50	6.18	10.05	2.03	1.97	270	31.2		13.5	4.75	88.4%	56.7%	84.8%	2.8	66.4	2.3	61.0
33	7-Oct-04	112	7.30	6.26	10.45	1.97	1.99	266	29.1		12.3	8.47	89.1%	57.7%	70.9%	2.6	60.3	2.2	57.6
33	8-Oct-04	220	7.43	5.95	20.43	2.01	1.89	183	25.1		9.68	7.32	86.3%	61.4%	70.8%	2.2	53.0	1.8	47.2
33	9-Oct-04	108	6.47	6.24	10.00	1.75	1.99	243	65.2		8.84	7.6	73.2%	86.4%	88.3%	5.1	119.7	4.9	128.7
33	10-Oct-04	110	6.85	6.39	10.23	1.85	2.03	224	79.4		18.7	7.44	64.6%	76.4%	90.6%	6.5	154.4	6.1	160.3
34	11-Oct-04	110	7.07	6.26	10.23	1.91	1.99	252	35.2		9.65	12.2	86.0%	72.6%	65.3%	3.0	70.6	2.6	69.6
34	12-Oct-04	109	7.23	5.90	10.14	1.96	1.88	235	63.7	68.2	18.6	7.5	72.9%	70.8%	88.2%	5.5	130.8	4.5	118.8
34	14-Oct-04	106	7.70	6.58	9.86	2.08	2.09	254			36.2	15.5	239						
34	15-Oct-04	105	6.77	6.19	9.80	1.83	1.97	227	29.3	35.4	12.2	5.48	87.1%	58.4%	81.3%	2.4	56.3	2.2	57.3
34	16-Oct-04	109	6.65	6.11	10.14	1.80	1.94	243	56.3	49	10.9	6.44	76.8%	80.6%	88.6%	4.5	106.2	4.1	108.7
34	17-Oct-04	109	11.10	9.13	10.09	3.00	2.90	243	66.4	67	30.1	10.1	72.7%	54.7%	84.8%	8.9	209.3	7.3	191.5
35	18-Oct-04	109	11.18	6.37	10.16	3.02	2.03	255	30.7	35.4	22.7	9.27	88.0%	26.1%	69.8%	4.1	97.4	2.4	61.8
35	19-Oct-04	108	11.10	9.20	10.05	3.00	2.93	244	78.1	34	32.7	7.08	68.0%	58.1%	90.9%	10.4	246.1	8.6	227.1
35	20-Oct-04	104	11.10	8.53	9.64	3.00	2.72	246	28.1	27		7.33	88.6%		73.9%	3.7	88.6	2.9	75.8
35	21-Oct-04	108	11.06	9.20	10.05	2.99	2.93	220	37.2	33	14.6	12.3							
35	22-Oct-04	107	11.00	9.58	9.98	2.97	3.05	240	26.8	34.6	16.6	21.8	88.8%	38.1%	18.7%	3.5	83.7	3.1	81.2
35	23-Oct-04	107	11.03	9.41	9.95	2.98	3.00	253	39.5	46.6	18.5	23.7	84.4%	53.2%	40.0%	5.2	123.7	4.5	117.5
35	24-Oct-04	107	11.03	9.41	9.95	2.98	3.00	202	55.9		19.3	30.2	72.3%	65.5%	46.0%	7.4	175.1	6.3	166.3
36	25-Oct-04	107	11.17	8.59	9.98	3.02	2.73	229	40.3	57.2	17.5	32.7							
36	26-Oct-04	107	11.17	9.39	9.95	3.02	2.99	188	34.4	36.2	25.8	20.4	81.7%	25.0%	40.7%	4.6	109.1	3.9	102.1
36	27-Oct-04	103	7.30	7.48	9.58	1.97	2.38	205	105		88.4	32.3							
36	28-Oct-04	105	11.07	9.27	9.74	2.99	2.95	196	28.7	30.8	12.5	6.45	85.4%	56.4%	77.5%	3.8	90.2	3.2	84.1
36	29-Oct-04	106	11.10	9.02	9.83	3.00	2.87	195	92.7	93.4	27.8	8.56	52.5%	70.0%	90.8%	12.4	292.1	10.0	264.2
36	30-Oct-04	107	11.15	9.67	9.92	3.01	3.08	190	106	135	46.8	14.7	44.2%	55.8%	86.1%	14.2	335.6	12.3	324.0
36	31-Oct-04	106	11.13	7.49	9.85	3.01	2.38	226	117	126	46	8	48.2%	60.7%	93.2%	15.7	369.8	10.5	277.0
37	1-Nov-04	86	11.03	6.83	7.97	3.08	2.17	199	39	36.8	16.2	5.55	80.4%	58.5%	85.8%	5.2	122.2	3.2	84.2
37	2-Nov-04	108	8.63	4.89	10.05	2.33	1.55	228	51	62.6	20.1	7.5	77.6%	60.6%	85.3%	5.3	125.0	3.0	78.8
37	3-Nov-04	107	7.40	6.44	9.95	2.00	2.05	226	40.1	39.8	15.7	6.25	82.3%	60.8%	84.4%	3.6	84.2	3.1	81.6
37	4-Nov-04	106	7.40	6.11	9.86	2.00	1.94	192	43	43.8	14.8	11.7	77.6%	65.6%	72.8%	3.8	90.3	3.2	83.1
37	5-Nov-04																		
37	6-Nov-04	108	7.80	5.86	10.02	2.11	1.87												
37	7-Nov-04	108	7.30	6.02	10.05	1.97	1.92												
38	8-Nov-04	107	7.50	6.12	9.95	2.03	1.95	212	61.5	63.8	23.3	6.6	71.0%	62.1%	89.3%	5.5	131.0	4.5	118.9
38	9-Nov-04	107	7.40	6.24	9.93	2.00	1.99	195	33.5	27	17.6	5.53	82.8%	47.5%	83.5%	3.0	70.4	2.5	66.1
38	10-Nov-04	101	7.37	6.32	9.36	1.99	2.01	187	35.2	37.2	13.7	4.92	81.2%	61.1%	86.0%	3.1	73.6	2.7	70.3
38	11-Nov-04	105	7.40	6.27	9.77	2.00	2.00	205	37.6	36	17.3	4.6	81.7%	54.0%	87.8%	3.3	79.0	2.8	74.5
38	12-Nov-04	108	7.47	6.26	10.05	2.02	1.99	214	33.6	33.5	14.7	5.6	84.3%	56.3%	83.3%	3.0	71.2	2.5	66.4
38	13-Nov-04	107	7.40	5.83	9.95	2.00	1.86	179	34.6	34.5	15.5	4.85	80.7%	55.2%	86.0%	3.1	72.7	2.4	63.8
38	14-Nov-04	107	7.40	6.49	9.95	2.00	2.06	177	44.3		38.8	5.56	75.0%	12.4%	87.4%	3.9	93.1	3.5	90.8
39	15-Nov-04	109	7.43	6.26	10.11	2.01	1.99	226	51.2		19	7.23	77.3%	62.9%	85.9%	4.6	108.1	3.9	101.4
39	16-Nov-04	107	7.40	6.17	9.92	2.00	1.97	200	34.6		18.3	17.6	82.7%	47.1%	49.1%	3.1	72.7	2.6	67.

Week	Grab Sample Date	Sample Type	BIOSTYR					BIOFOR C					Combined								
			TBOD (mg/l)	TSS (mg/l)	VSS (mg/l)	TS (% WT)	VS (%WT)	TBOD (mg/l)	TSS (mg/l)	VSS (mg/l)	TS (% WT)	VS (%WT)	TBOD (mg/l)	TSS (mg/l)	VSS (mg/l)	TS (% WT)	VS (%WT)				
17	23-Jun-04	Supernatant Solids		244	189	1.88	73.8														
Phase II was restarted																					
28	4-Sep-04	Supernatant Solids	78.1	141	104			101	115	75.2											
29	8-Sep-04	Supernatant Solids	121	170	131	1.38	65														
29	10-Sep-04	Supernatant Solids	112	249	192	1.01	67.3														
33	7-Oct-04	Supernatant Solids	CBOD (mg/l)	178	148				112	93.6					CBOD (mg/l)						
33	9-Oct-04	Supernatant Solids	44	145	102	1.02	53.6	24.6	94	71.2	0.46	33.3									
33	10-Oct-04	Supernatant Solids				0.87	63				0.54	75									
34	14-Oct-04	Supernatant Solids											36.5	107	74.8				1.06	69.6	
34	16-Oct-04	Supernatant Solids	35	106	81.6	0.69	60	33.5	129	97.6											
35	18-Oct-04	Supernatant Solids	35	106	81.6	0.69	60	33.5	129	97.6	0.76	61.9			49.1						
35	19-Oct-04	Supernatant Solids	24	84.6	64.8	0.57	61.5	44.2	193	146	0.86	66.7							0.74	58.3	
35	20-Oct-04	Supernatant Solids														171	132		0.56	62.5	
35	21-Oct-04	Supernatant Solids											27.8	119	86				0.54	62.5	
35	22-Oct-04	Supernatant Solids	46.1	116	92	0.61	52.2	46.2	166	131	0.67	71									
36	25-Oct-04	Supernatant Solids											54	182	142				0.71	67.7	
36	26-Oct-04	Supernatant Solids	46.7	157	117	0.85	70.6	57.8	212	167											
36	27-Oct-04	Supernatant Solids									1.02	63				199	157		0.64	61.5	
36	28-Oct-04	Supernatant Solids																			
36	29-Oct-04	Supernatant Solids																			
36	30-Oct-04	Supernatant Solids	65.4	251	170	0.9	58.8		114												
36	31-Oct-04	Supernatant Solids							456	328	1.24	60									
37	1-Nov-04	Supernatant Solids																			
37	2-Nov-04	Supernatant Solids																			
37	3-Nov-04	Supernatant Solids	45.7	170	124	0.52	58.3	59.6	224	192	0.79	60									
37	4-Nov-04	Supernatant Solids											39.2	158	119				0.6	51.4	
37	5-Nov-04	Supernatant Solids																			
38	9-Nov-04	Supernatant Solids	55.8	167	136	0.52	58.5	58.3	229	153	1.27	65.9									
38	13-Nov-04	Supernatant Solids	26.3	93.7	69.4	0.48	51.6	49.1	191	140	1.07	67.2									
39	15-Nov-04	Supernatant Solids	40	136	101	0.8	60	66.4	219	167	1.62	65.8									
39	16-Nov-04	Supernatant Solids	40										44.9	204	138						
39	17-Nov-04	Supernatant Solids	38.8	262	207	0.87	57.4	75.8	413	463	1.6	64.7							1.27	71.7	
39	18-Nov-04	Supernatant Solids											49.1	182	143				0.99	63.8	
Phase 1																					
42	7-Dec-04	Supernatant Solids	61.3	203	159	1.54	71.7	43.4	188	144	1.5	69.6									
42	9-Dec-04	Supernatant Solids	38.2	136	106	1.85	74.1	41.9	176	134	1.31	69.2									
42	13-Dec-04	Supernatant Solids	60.4	142	110	2.37	75	42.4	138	107	1.49	72									
PHASE 2																					
Week 17-29 Average			103.70	201.00	154.00	1.42	69	101	115	75											
Week 17-29 Min			78.10	141.00	104.00	1.01	65	101	115	75											
Week 17-29 Max			121.00	249.00	192.00	1.88	74	101	115	75											
PHASE 2																					
Week 33-40 Average			41.75	151.72	114.95	0.72	59	55	213	173	0.97	63	43	167	124	0.79	63				
Week 33-40 Min			24.00	84.60	64.80	0.48	52	25	94	71	0.46	33	28	107	75	0.54	51				
Week 33-40 Max			65.40	262.00	207.00	1.02	71	114	456	463	1.62	75	54	204	157	1.27	72				
PHASE 1																					
Week 42 Average			59.27	153.19	120.44	1.84	73	104	200	156	1.56	71	150	224	178	1.66	72				
Week 42 Min			38.20	131.75	106.00	1.54	72	42	138	107	1.31	69	137	202	160	1.53	69				
Week 42 Max			77.18	203.00	159.00	2.37	75	155	247	195	1.82	76	155	247	195	1.82	76				

Grab Sample		Densadeg Sludge	
Week	Date	TS (%)	TVS (%)
PHASE 2			
17	19-Jun-04	8	76.2
17	20-Jun-04	7.57	75.7
18	21-Jun-04	8.52	77.6
18	22-Jun-04		
18	23-Jun-04		
18	24-Jun-04	5.54	76.7
18	25-Jun-04	8.44	76
18	26-Jun-04	8.49	75.6
18	27-Jun-04	8.3	75.6
19	28-Jun-04	6.18	75.2
19	29-Jun-04	6.85	73.4
Phase II was restarted			
28	2-Sep-04	9.42	76.5
28	3-Sep-04	8.77	74.8
28	3-Sep-04	6.53	74.8
28	4-Sep-04	7.06	74.2
28	4-Sep-04	7.11	74.1
28	5-Sep-04	5.82	73.8
28	5-Sep-04	7.65	74.7
29	6-Sep-04	7.48	74.5
29	6-Sep-04	7.84	75
29	7-Sep-04	8.3	75.3
29	7-Sep-04	8.77	74.7
29	8-Sep-04	7.13	74.5
29	8-Sep-04	7.15	74.8
29	9-Sep-04	7.79	74.7
29	10-Sep-04	7.31	74.6
29	10-Sep-04	7.56	74.2
29	11-Sep-04	8.18	73.8
29	11-Sep-04	8.42	74
29	12-Sep-04	8.16	74.8
29	12-Sep-04	8.4	75.1
30	13-Sep-04	7.67	74.8
31	21-Sep-04	10.4	76.8
31	21-Sep-04	10.6	76.7
31	22-Sep-04	8.31	76.8
31	23-Sep-04	8.8	77.5
31	27-Sep-04	9.63	71.8
31	27-Sep-04	12.5	75.9
33	6-Oct-04	6.52	74.5
33	6-Oct-04	1.99	69.3
34	7-Oct-04	4.68	76
34	7-Oct-04	2.68	72.4
34	8-Oct-04	5.8	75.6
34	8-Oct-04	7.08	74.5
34	9-Oct-04	8.39	75.4
34	9-Oct-04	8.35	75.4
34	10-Oct-04	8.36	73
34	10-Oct-04	7.41	78.4
34	11-Oct-04	7.13	74.1
34	11-Oct-04	3.71	72.5
34	12-Oct-04	5.45	76.9
34	12-Oct-04	7.69	76.7
34	13-Oct-04	8.24	75.9
34	14-Oct-04	7.31	76
34	15-Oct-04	9.7	74.8
34	15-Oct-04	6.78	75.1
34	16-Oct-04	7.03	75.2
34	16-Oct-04	7.59	75.3
34	17-Oct-04	8.07	75.4
34	17-Oct-04	4.56	74.3
35	18-Oct-04	3.78	75.1
35	18-Oct-04	5.17	72.6
35	19-Oct-04	11.1	76.4
35	20-Oct-04	7.53	71.8
35	20-Oct-04	8.44	73.9
35	21-Oct-04	11.3	72.7
35	21-Oct-04	9.08	68.9
35	22-Oct-04	6.7	72.7
35	22-Oct-04	7.4	73.5
35	23-Oct-04	6.6	72.9
35	23-Oct-04	8.14	74.1
35	24-Oct-04	6.73	72.6
35	24-Oct-04	7.84	74
36	25-Oct-04	7.65	73.8
36	25-Oct-04	8.93	73.8
36	26-Oct-04	8.4	74.3
36	26-Oct-04	7.11	75
36	27-Oct-04	6.97	75.9
36	28-Oct-04	10.3	69.4
36	28-Oct-04	9.56	62.5
36	29-Oct-04	7.92	66.7
36	29-Oct-04	7.98	68.4
36	30-Oct-04	8.11	68.1
36	30-Oct-04	13.7	77
36	31-Oct-04	11.5	71.6
36	31-Oct-04	10.6	73.1
37	1-Nov-04	8.87	75.9
37	1-Nov-04	7.88	74
37	2-Nov-04	8.96	73.3
37	2-Nov-04	9.74	73.1
37	3-Nov-04	9.66	72.9
37	3-Nov-04	11.2	77.3
37	4-Nov-04	6.91	73.8
37	4-Nov-04	5.84	74.9
38	8-Nov-04	6.73	74
38	9-Nov-04	6.13	75.2
38	9-Nov-04	5.11	73.8
38	10-Nov-04	9.18	75.4
38	10-Nov-04	9.19	73.6
38	11-Nov-04	8.3	74.1
38	12-Nov-04	7.88	74.4
38	12-Nov-04	8	73.9
38	13-Nov-04	7.69	75.8
38	13-Nov-04	6.73	74.4
38	14-Nov-04	7	75.5
38	14-Nov-04	8.24	75.6
39	15-Nov-04	8.9	75.9
39	15-Nov-04	8.75	76.1
39	16-Nov-04	9.27	75.9
39	16-Nov-04	8.97	75.5
39	17-Nov-04	8.07	74.5
39	17-Nov-04	7.8	74.4
39	18-Nov-04	8.28	73.7
39	18-Nov-04	7.54	75.2
39	19-Nov-04	8.23	75.6
39	19-Nov-04	8.4	75.6
39	20-Nov-04	7.62	75.4
39	20-Nov-04	4.91	74.7
39	21-Nov-04	4.67	77.3
39	21-Nov-04	4.34	72.6
40	22-Nov-04	3.87	74.8
40	22-Nov-04	5.48	74.7
PHASE 2			
Week 17-18 Average		7.8	76.2
Week 17-18 Min		5.5	75.6
Week 17-18 Max		8.5	77.6
PHASE 2			
Week 28-40 Average		7.7	74.3
Week 28-40 Min		2.0	62.5
Week 28-40 Max		13.7	78.4



ssen:
Sludge sample was taken from wrong place, that is why TS value is so low.

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Sludge sample was taken from wrong place, that is why TS value is so low.

WEEK 29

3-Dint		Portable Meter Readings					Instrument Readings							Densadeq Sludge		Meter Readings	
Date	Time	Temperature (°C)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)	Inf. Flow (gpm)	FeCl3 pump speed	FeCl3 pump # of stroke	FeCl3 calibration (ml/min)	Polymer pump speed	Polymer pump # of stroke	Polymer calibration (ml/min)	Sludge blanket level (ft)	Time b/w sludge blowdown (hr)	Temperature (°C)	pH
9/2/2004	12:30	28.5	0.00	7.01	194.0	10	105.0	30	65	28	90	75	250	4	27 sec/1 hr	26.5	5.37
	23:45	26.7	0.13	6.78	193.0	11	105.0										
9/3/2004	7:00	27.9	0.07	7.17	193.0	11	105.0	30	65		80	75					
	13:00	27.6	0.10	7.14	223.0	10	102.0	30	65	30	90	80	250	no interface	27 sec/1 hr	22.5	5.66
	23:00	24.5	0.58	7.00	152.0	10	86.0							6			
9/4/2004	7:00	27.4	0.19	6.90	133.0	14	84.0	30	65	28	90	75	250	8	27 sec/1 hr	27.8	5.78
	14:00	27.6	0.22	6.53	155.0	14	108.0	30	65	28	90	75	250	6	30 sec/1 hr	27.2	5.75
9/5/2004	7:30	26.5	0.17	6.45	144.0	12	103.0	30	65	30	75	85	250	6	30 sec/1 hr	27.2	5.38
	14:00	28.0	0.09	6.87	178.0	10	112.0	30	65	30	90	75	250	5	not blowing down	28.3	5.88
	22:00	25.4	0.16	6.86	157.0	12	106.0							7			
9/6/2004	7:25	26.7	0.09	6.65	180.0	12	107.0	30	65	24	85	75	250	6	don't know if in operation	24.1	5.85
	13:50	27.9	0.09	7.13	237.0	10	106.0	30	65	26	85	75	250	4	not working	25.7	5.73
9/7/2004	6:45	28.1	0.05	7.06	180.0	12	106.0	87	65		90	75		4		26.9	5.69
	13:00	28.4	0.02	7.01	224.0	10	107.0	30	65	28	75	90	250	4	20 sec/1 hr	27.5	5.71
	3:00	26.4		7.10	270.0	8	107.0	30	66		90	75		4			
	4:00	26.3		6.80	183.0	12	97.0							4			
9/8/2004	6:45	28.1	0.06	6.80	175.0	12	88.0	30	65		85	75		4		26.3	5.59
	13:00	28.2	0.10	7.04	217.0	11	98.0	30	65	28	85	75	250	4	22 sec/0.58 hr	27.2	5.72
	23:00	26.0	0.82	6.96	218.0	9	77.0							5			
9/9/2004	7:00	28.2	0.00	6.88	163.0	14	59.0	87	67		85	75		4			
	13:00	28.2	0.08	7.03	221.0	12	112.0	30	65	28	85	75	250	3	22sec/0.5 hr	28.1	5.74
	23:00	27.2		6.79	208.0	11	59.0							3			
9/10/2004	6:45	28.0	0.08	6.79	173.0	12		28	68		85	76		3		27.2	5.61
	13:00	28.2	0.05	6.95	212.0	9	109.0	28	68	28	85	76	250	3	22 sec/1.2 hr	27.5	5.75
9/11/2004	7:05	26.1	0.12	6.89	154.0	14	101.0	30	65	28	85	75	250	4	22 sec/0.6 hr	23.6	5.53
	13:55	28.4	0.07	7.02	227.0	10	108.0	30	65	28	85	75	250	4	22 sec/0.6 hr	25.6	5.50
	22:00	26.2		6.77	53.4	6	103.0							4			
9/12/2004	7:00	28.1	0.11	6.68	161.0		94.0	30	65	26	85	75	250	4	22 sec/0.6 hr	22.4	5.56
	13:00	27.8	0.20	7.00	163.0		110.0	30	65	26	85	75	250	4	22 sec/0.6 hr	22.6	5.62
	23:45	no flow from box															
	Min	24.5	0.00	6.45	53.4	6	59.0	28	65	24.0	75	75	250	3	0.0	22.4	5.4
	Max	28.5	0.82	7.17	270.0	14	112.0	87	68	30.0	90	80	250	8	0.0	28.3	5.9
	Avg	27.3	0.15	6.91	184.2	11	98.6	35	65	27.6	85	77	250	5	#DIV/0!	26.4	5.7

13Inf		Portable Meter Readings				
Date	Time	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
9/2/2004	13:30	28.3	0.50	6.66	28.7	28.0
	23:45	27.0	0.36	6.64	33.0	31.0
9/3/2004	7:00	27.2	0.30	7.04	26.5	38.0
	13:00	27.4	0.30	7.07	17.3	36.0
	23:00	25.0	0.54	6.84	26.1	31.0
9/4/2004	8:00	24.3		6.80	38.5	31.0
	14:20	24.8	0.58	6.80	35.5	32.0
9/5/2004	7:45	25.8	0.69	6.58	36.1	30.0
	14:15	28.1	0.53	6.71	31.2	33.0
	22:00	26.3	0.55	6.78	37.9	31.0
9/6/2004	7:30	27.1	0.50	6.62	32.3	36
	14:05	28.1	0.47	6.80	20.0	35
9/7/2004	6:45	27.4	0.45	6.83	35.0	
	13:00	28.4	0.20	6.60	99.1	16
	4:00	26.7		6.90	179.0	12
9/8/2004	6:45	27.5	0.30	6.56	30.7	23
	13:00	28.5	0.20	6.80	51.0	24
	23:00	26.8	0.53	6.62	35.6	27
9/9/2004	7:00	28.0	0.43	6.67	74.1	17
	13:00	28.6	0.30	6.77	58.8	25
	23:00	26.9		6.59	23.8	33
9/10/2004	6:45	27.6	0.44	6.29	22.2	42
	13:00	28.6	0.30	6.66	38.0	30
9/11/2004	1:00	24.8		7.52	14.6	33
	7:30	27.8	0.43	6.84	44.1	34
	13:59	28.6	0.28	6.88	64.6	22
	22:00	26.2		6.94	177.0	1
9/12/2004	7:00	28.0	0.36	6.80	37.3	
	13:00	28.2	0.30	6.83	36.8	
	23:45	24.7		6.75	41.2	
	Min	24.3	0.2	6.3	14.6	1.0
	Max	28.6	0.7	7.5	179.0	42.0
	Avg	27.1	0.4	6.8	47.5	28.1

		Instrument Readings-BIOSTYR						Portable Meter Readings-13BSEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Effluent DO (mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
9/2/2004	12:30	2.00	7.50	8.1	9.8	217.4	10.1	28.2	5.7	6.99	15.4	44.00
	23:45	2.0	7.6	4.9	9.8	240.0	32.3	26.2	5.8	6.7	10.4	47.0
9/3/2004	7:00	2.0	7.4	5.9	9.8	249.0	43.0	26.4	5.9	7.14	3.2	62.0
	13:00	2.0	7.5	6.4	9.8	220.9	13.6	28.1	5.7	7.18	11.1	52.0
	23:00	2.0	7.5	4.5	9.9	259.0	52.2	25.0	3.3	6.95	7.4	45.0
9/4/2004	8:00	2.0	7.6	6.4	10.0	272.6	65.2	26.6	5.1	6.90	9.2	56.0
	14:20	2.0	7.6	6.2	9.7	215.0	40.5	27.2	5.0	6.93	10.3	55.0
9/5/2004	7:45	2.0	7.4	5.2	9.7	235.9	28.9	26.1	5.5	6.75	12.8	48.0
	14:20	1.9	7.4	4.2	9.5	229.8	22.1	29.5	5.3	6.88	15.2	54.0
	22:00	2.0	7.6	3.9	9.7	269.0	62.1	24.8	3.8		128.0	45.0
9/6/2004	7:45	2.0	7.5	5.0	9.6	244.7	37.6	26.3	5.3	6.75	10.4	53.0
	14:15	2.0	7.6	4.2	9.6	233.1	25.8	29.1	5.0	6.86	14.6	55.0
9/7/2004	6:45	2.0	7.6	3.4	9.6	236.0	28.7	27.2	4.9	6.96	15.4	54.0
	13:00	2.0	7.5	4.2	9.7	227.5	20.1	28.4	5.0	6.72	15.1	57.0
	4:00	2.0	7.6	3.1	9.7	271.9	64.9	24.6		6.80	19.8	45.0
9/8/2004	6:45	2.0	7.5	3.3	9.7	296.0	89.0	27.1	4.7	6.60	11.0	58.0
	13:00	1.9	7.5	4.1	6.4	226.7	19.3	28.8	4.4	6.85	14.3	53.0
	23:00	2.0	7.7	3.2	6.1	256.0	49.0	26.4	2.3	6.80	28.1	38.0
9/9/2004	7:00	2.0	7.5	3.3	6.1	232.0	25.0	27.8	4.6	6.83	23.8	54.0
	13:00	2.0	7.5	2.1	6.3	221.7	14.2	29.0	3.5	6.89	60.5	27.0
	23:00	2.0	7.6	3.2	6.1	239.0	32.2	26.4		7.00	15.2	44.0
9/10/2004	6:45	2.0	7.6	3.4	6.0	279.0	72.0	27.1	4.9	6.54	14.1	56.0
	13:00	2.0	7.6	3.0	6.1	224.5	17.0	28.7	4.6	6.72	29.7	47.0
9/11/2004	1:00	2.0	7.5	3.5		259.3	51.8	24.8		2.52	14.6	33.0
	7:35	2.0	7.5	2.1	6.1	231.2	23.6	27.4	4.4	6.70	47.0	46.0
	14:00	2.0	7.6	1.9	6.2	234.2	26.6	29.0	4.6	6.93	24.0	
	22:00	2.0	7.4	0.7	6.1	234.0	26.9	24.8		7.12	29.3	10.0
9/12/2004	7:10	2.0	7.7	0.4	6.1	244.8	37.8	27.5	3.6	6.73	26.3	
	13:00	2.0	7.6	0.3	6.2	226.5	19.1	28.4	3.8	7.00	26.7	
	10:48	2.0	7.3	0.1	6.1	237.9	30.8	29.8		6.92	20.9	
	Min	1.9	7.3	0.1	6.0	215.0	10.1	24.6	2.3	2.5	3.2	10.0
	Max	2.0	7.7	8.1	10.0	296.0	89.0	29.8	5.9	7.2	128.0	62.0
	Avg	2.0	7.5	3.7	8.1	242.2	36.0	27.2	4.7	6.7	22.8	47.6

		Instrument Readings-BIOFOR C			Portable Meter Readings-13BFCEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Column pressure (psi)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
9/2/2004	12:30	3.00	6.26	8.0	27.8	6.2	7.14	32.70	40.00
	23:45	4.00	4.00	12.0					
9/3/2004	7:00	4.10	3.70	12.2	26.9	5.9	7.25	7.99	56.0
	13:00	4.73	6.27	11.0	28.0	5.4	7.20	6.33	57.0
	23:00	4.98	0.00	11.0	24.8	4.2	6.99	2.65	49.0
9/4/2004	8:15	3.45	0.00	19.0	26.2	3.9	6.91	5.72	59.0
	14:25	3.90	6.50	8.0	27.2	5.2	6.97	8.35	59.0
9/5/2004	8:00	2.89	6.05	19.0	27.0	2.4	6.8	55.30	14.0
	14:17	2.98	6.17	15.0	29.1	2.6	6.83	77.40	14.0
	22:00	2.86	3.24	20.0	25.1	1.1	6.89	90.80	12.0
9/6/2004	7:40	turned off	0.00	20.0	25.6	2.8	6.74	98.00	11
	14:10	2.72	6.14	16.0	28.9	2.3	6.80	35.40	20.0
9/7/2004	6:45	4.00	0.00	6.6					
	13:00	OOS							
	4:00	OOS							
9/8/2004	13:00	OOS							
9/9/2004		OOS							
9/10/2004		OOS							
9/11/2004		OOS							
9/12/2004		OOS							
	Min	2.7	0.0	6.6	24.8	1.1	6.7	2.7	11.0
	Max	5.0	6.5	20.0	29.1	6.2	7.3	98.0	59.0
	Avg	3.6	3.7	13.7	27.0	3.8	7.0	38.2	35.5

BIOSTYR		Instrument Readings										
Date	Time	Process air flow (scfm)	Backwash air flow (scfm)	Backwash flow (gpm)	Effluent DO(mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)		Backwash tank level (in)	Time till next BW (min)	Max time between BW (min)
								Before BW	After BW			
9/2/2004	10:00		3.0	93.10	9.30	9.80	124	45.5	5.5	35	1420	1440
9/4/2004	9:00		3.0	98.60	5.40	10.00	198.4	69	10	36	1440	1440
9/6/2004	9:05		3.0	66.20	4.30	9.70	135.6			28	1428	1440
9/8/2004	9:00	2.00	3.0	100.50	4.30	9.80	198.2	31	0	53.5	1420	1440
9/10/2004	9:00		5.0	103.00	3.10	6.10	201	80	10	51	1413	1440
9/12/2004	9:00		5.0	100.50	0.40	6.20	257	50.5	12.6	63	1438	1440

Imhoff Cone Testing

Week	Date	Biostyr				Biofor C			
		Time	Minutes	Volume (mL)	SVI	Time	Minutes	Volume (mL)	SVI
1	9/6/2004	9:30	15	25		11:30	15	5	
			30	27			30	7	
1	9/8/2004	9:30	15	60			Unit is down!		
			30	46					
	9/10/2004	9:35	15	150					
			30	100					
			15						
			30						
			15						
			30						
			15						
			30						

WEEK 31

3-Dinf		Portable Meter Readings					Instrument Readings								Densadeg Sludge- Meter Readings		
Date	Time	Temperature (°C)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)	Inf. Flow (gpm)	FeCl3 pump speed	FeCl3 pump # of stroke	FeCl3 calibration (ml/min)	Polymer pump speed	Polymer pump # of stroke	Polymer calibration (ml/min)	Sludge blanket level (ft)	Time b/w sludge blowdown (hr)	Temperature (°C)	pH
9/21/2004	13:00	27.9	0.10	7.29	231.0		109.0	25	72	28	80	85	250	3	30 sec/1.5 hr	27.0	5.35
9/22/2004	13:00	28.1	0.10	7.28	280.0		110.0	25	75	24	80	85	240	3	25 sec/1.5 hr	26.6	6.38
9/23/2004	12:15	28.0	0.10	7.25	202.0		110.0	30	60	30	75	90	250	3	25 sec/1.5 hr	28.7	5.60
9/24/2004	13:50	28.2	0.10	6.98	247.0		61.0	20	60	18	30	90	100	38050	25 sec/1.5 hr	28.1	5.47
	Min	27.9	0.10	6.98	202.0		61.0	20	60	18.0	30	85	100	3		26.6	5.4
	Max	28.2	0.10	7.29	280.0		110.0	30	75	30.0	80	90	250	38050		28.7	6.4
	Avg	28.1	0.10	7.20	240.0		97.5	25	67	25.0	66	88	210	9515		27.6	5.7

13Inf		Portable Meter Readings				
Date	Time	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
9/21/2004	13:00	28.0	0.90	7.17	313.0	
9/22/2004	13:00	28.5	0.09	7.04	89.8	
9/23/2004	12:15	28.3	0.50	6.97	2.2	
9/24/2004	13:50	28.1	0.20	6.93	73.0	
Min		28.0	0.1	6.9	2.2	0.0
Max		28.5	0.9	7.2	313.0	0.0
Avg		28.2	0.4	7.0	119.5	#DIV/0!

		Instrument Readings-BIOFOR C			Portable Meter Readings-13BFCEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Column pressure (psi)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
9/21/2004	13:00	4.00	6.40	7.0	28.3	6.8	7.45	95.90	
9/22/2004	13:00	9.66	6.25	5.5	24.1	7.1	7.4	50.70	
	1:00	9.27		7.0					
9/23/2004	12:15	4.00	stand by	6.0					
9/24/2004	13:50	4.00	stand by	5.0					
Min		4.0	6.3	5.0	24.1	6.8	7.4	50.7	0.0
Max		9.7	6.4	7.0	28.3	7.1	7.5	95.9	0.0
Avg		6.2	6.3	6.1	26.2	6.9	7.4	73.3	#DIV/0!

#DIV/0!

WEEK 33

3-Dinf		Portable Meter Readings					Instrument Readings								Densadeg Sludge- Meter Readings		
Date	Time	Temperature (°C)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)	Inf. Flow (gpm)	FeCl3 pump speed	FeCl3 pump # of stroke	FeCl3 calibration (ml/min)	Polymer pump speed	Polymer pump # of stroke	Polymer calibration (ml/min)	Sludge blanket level (ft)	Time b/w sludge blowdown (hr)	Temperature (oC)	pH
10/5/2004	6:40						110.0	30	60		80	83		6			
	12:00	25.0		7.01	208.0	4	100.0	30	60	30	80	80	250	6	29 sec/0.75 hr		
10/6/2004	1:00	24.8		6.92	229.0	4	109.0							6			
	7:00						109.0	30	60		80	85		7			
	13:10	27.4	0.10	7.10	212.0	4	105.0	31	60	30	70	80	220	6 to 7	29 sec/0.6 hr	24.6	6.70
	22:10	24.6		7.06	179.0	5	110.0							5			
10/7/2004	6:45	27.7	0.08	7.30	160.0	5	109.0	34	60		70	85		5			
	13:15	26.9	0.10	7.19	257.0	4	111.0	33	60	30	70	80	220	5	29 sec/0.6 hr	23.7	6.83
	22:30	25.9		7.02	231.0	3	117.0							5			
10/8/2004	6:45	27.8	0.07		177.0	6	108.0	33	60		70	85		1			
	12:15	27.8	0.08	7.03	194.0	6	108.0	30	60	40	70	80	225	4	5 sec/3 hr	23.9	6.40
	22:22	26.5		7.00	288.0	2	108.0							6			
10/9/2004	7:30	24.8	0.34	6.61	145.0	2	107.0	30	60	30	80	70	210	3	29 sec/0.95 hr	21.4	6.11
	13:15	27.5	0.26	6.75	165.0	5	108.0	30	60	28	80	70	210	3 to 4	28 sec/0.8 hr	24.0	6.09
	23:30	25.5		6.90	578.0	1								6			
10/10/2004	7:30	29.0	0.29	6.76	139.0	8	111.0	30	60	30	80	70	220	4	28 sec/0.8 hr	23.0	6.04
	13:20	29.0	0.24	6.90	187.0	4	109.0	30	60	28	80	70	240	5	28 sec/0.8 hr	25.0	6.19
	Min	24.6	0.07	6.61	139.0	1	100.0	30	60	28.0	70	70	210	1		21.4	6.0
	Max	29.0	0.34	7.30	578.0	8	117.0	34	60	40.0	80	85	250	7		24.6	6.8
	Avg	26.7	0.17	6.97	223.3	4	108.7	31	60	30.8	76	78	224	5		23.4	6.4

13Inf		Portable Meter Readings				
Date	Time	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/5/2004	12:00	24.5		6.75	25.1	29.0
10/6/2004	1:00	24.9		6.80	28.3	28.0
	13:10	27.2	0.50	6.98	16.6	31.0
	22:10	24.4		6.83	24.1	36.0
10/7/2004	6:45	27.6	0.33		20.2	38.0
	13:15	27.2	0.40	7.08	22.3	33.0
	22:30	26.3		6.91	22.2	30.0
10/8/2004	6:45	27.4	0.31		26.6	34.0
	12:15	27.7	0.30	6.68	25.4	32.0
	22:00	26.7		6.94	20.3	34
10/9/2004	7:35	24.9	1.19	6.56	24.7	36
	13:25	27.5	0.63	6.68	16.8	33
	23:30	25.6		7.00	21.4	21
10/10/2004	7:35	28.5	0.43	6.66	16.1	44
	13:25	28.5	0.15	6.76	36.5	24
Min		24.4	0.2	6.6	16.1	21.0
Max		28.5	1.2	7.1	36.5	44.0
Avg		26.6	0.5	6.8	23.1	32.2

		Instrument Readings-BIOSTYR						Portable Meter Readings-13BSEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Effluent DO (mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/5/2004	6:50	2.00	8.10	5.9	6.8	250	43					
	12:00	2.0	7.8	5.8	6.8	227.1	19.6	24.5		6.9	15.6	43.0
10/6/2004	1:00	2.0	7.6	5.5	6.8	268.5	61.9	23.9		6.9	6.7	36.0
	7:00	2.0	7.7	5.2	6.8	270.0	63.0					
	13:10	2.0	7.5	5.4	6.9	219.4	12.2	26.9	5.7	6.92	12.2	53.0
	22:10	2.0	7.2	5.5	6.8	245.5	38.3	238.0		6.80	5.9	59.0
10/7/2004	6:45	2.0	7.3	5.2	6.7	274.0	66.0	26.0	5.4		6.7	57.0
	13:15	2.0	7.4	5.2	6.8	219.7	12.3	26.7	5.5	7.05	11.0	55.0
	22:30	2.0	7.2	5.0	6.8	250.3	42.9	25.6		6.91	4.1	58.0
10/8/2004	6:45	2.0	7.1	4.8	6.7	290.0	84.0	26.6	5.6		4.3	60.0
	12:15	2.0	7.9	4.7	6.7	221.6	14.6	26.9	5.5	6.77	8.4	59.0
	22:00	2.0	7.3	4.4	6.6	281.7	74.4	25.7		6.95	4.4	60.0
10/9/2004	7:40	2.0	6.6	4.3	6.8	239.0	31.1	24.8	3.6	6.66	4.2	60.0
	13:25	2.0	6.5	4.0	6.7	219.6	11.9	27.0	3.1	6.72	8.7	58.0
	23:40	2.0	6.3	3.7	6.6	264.2	57.4	24.9		6.98	4.7	60.0
10/10/2004	7:45	2.0	6.7	3.3	6.7	293.1	86.3	27.0	2.7	6.72	16.2	52.0
	13:25	1.9	7.0	3.1	6.7	215.7	8.3	29.0	2.5	6.76	14.6	50.0
Min		1.9	6.3	3.1	6.6	215.7	8.3	23.9	2.5	6.7	4.1	36.0
Max		2.0	8.1	5.9	6.9	293.1	86.3	238.0	5.7	7.1	16.2	60.0
Avg		2.0	7.2	4.8	6.7	250.0	42.8	40.2	4.4	6.9	8.5	54.7

		Instrument Readings-BIOFOR C			Portable Meter Readings-13BFCEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Column pressure (psi)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/5/2004	6:50	3.80		7.8					
	12:00	4.00	6.38	7.0	24.6		6.9	15.40	54.0
10/6/2004	1:00	11.25	3.55	9.0					
	7:00	2.00		8.8					
	13:10	4.00	6.15	7.0	27.3	6.1	6.80	5.61	63.0
	22:10	11.26	6.21	9.0	24.0		6.80	3.99	65.0
10/7/2004	6:45	2.00	6.20	10.4	26.0	5.6		2.70	67.0
	13:15	4.00	6.44	7.0	26.8	5.9	7.1	7.22	59.0
	22:30	11.30	6.15	8.5	25.9		6.92	5.93	59.0
10/8/2004	6:40	2.00	6.30	9.2	27.3	6.1		3.31	63.0
	12:15	6.00	6.04	7.0	27.3	6.4	6.61	12.10	61
	22:00	10.91	5.50	9.0	26.1		6.92	2.57	62.0
10/9/2004	7:50	10.86	6.51	11.5	25.0	3.8	6.6	2.16	64.0
	13:30	11.09	6.31	8.0	28.0	3.3	6.70	6.24	59.0
	23:30	10.79	5.91	10.0	27.4		6.88	2.47	58.0
10/10/2004	7:40	10.71	6.56	12.0	28.5	3.4	6.77	10.40	55.0
	13:25	11.34	6.21	6.5	30.0	3.4	6.7	9.70	54.0
	Min	2.0	3.6	6.5	24.0	3.3	6.6	2.2	54.0
	Max	11.3	6.6	12.0	30.0	6.4	7.1	15.4	67.0
	Avg	7.5	6.0	8.7	26.7	4.9	6.8	6.4	60.2

BIOSTYR		Instrument Readings										
Date	Time	Process air flow (scfm)	Backwash air flow (scfm)	Backwash flow (gpm)	Effluent DO(mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)		Backwash tank level (in)	Time till next BW (min)	Max time between BW (min)
								Before BW	After BW			
10/7/2004	9:00	2.0	5.0	104.2	5	7	128.0	76.7		39.5		
10/9/2004	9:05		5.0	101.90	4.10	6.80	127.7		0.2	36	1440	1440
10/11/2004	0:00	2.00	5.0	103.10	3.00	6.90	199.6	39.3	0	45	1422	1440

Imhoff Cone Testing

Week	Date	Biostyr				Biofor C			
		Time	Minutes	Volume (mL)	SVI	Time	Minutes	Volume (mL)	SVI
32	10/7/2004	9:36	15	80		11:00	15	1.5	
			30	64			30	3	
33	10/9/2004	9:30	15	68		11:15	15	13	
			30	56			30	12	

WEEK 34

3-Dinf		Portable Meter Readings					Instrument Readings								Densadeg Sludge- Meter Readings		
Date	Time	Temperature (°C)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)	Inf. Flow (gpm)	FeCl3 pump speed	FeCl3 pump # of stroke	FeCl3 calibration (ml/min)	Polymer pump speed	Polymer pump # of stroke	Polymer calibration (ml/min)	Sludge blanket level (ft)	Time b/w sludge blowdown (hr)	Temperature (°C)	pH
10/11/2004	5:30	25.7		7.10	32.0	478								6			
	7:30	27.4	0.15	7.00	166.0	6	110.0							5			
	13:15	27.8	0.08	6.94	214.0	3	110.0	40	60	30	70	80	220	4	28-0.6	25.4	6.73
10/12/2004	6:50	27.5	0.06	7.21	173.0	8	109.0	28	60		70	83		1		26.1	6.45
	13:00	27.7	0.08	7.37	210.0	5	109.0	30	60	30	70	90	230	1	28 sec/10 hr	25.6	6.18
	1:50	20.8		7.08	47.3									4			
10/13/2004	6:50	26.8	0.08	7.25			107.0	29	60		72	85		1		25.4	6.19
	4:00	21.8		7.49	50.5	23	107.0							4			
10/14/2004	7:00	25.0		6.90	22.7	37	110.0							4			
	13:00	27.7	0.08	7.14	212.0	4	109.0	25	60	30	70	90	200	4	28 sec/0.8 hr	24.5	6.39
	22:30	20.9		7.07	49.6	19	99.0							4			
10/15/2004	7:15	27.6	0.03	7.02	158.0	6	100.0	24	61		70	85		3-6 interface		23.5	6.25
	13:00	27.2	0.10	7.15	243.0	5	99.0	25	60	24	70	85	220		28 sec/0.6 hr	26.7	6.35
	22:00	25.6		6.98	189.0	5	100.0							4			
10/16/2004	7:00	26.6	0.30	6.91	169.0	8	99.0	20	60		70	82		4	28 sec/0.8 hr		
	14:00	27.1	0.21	6.91	219.0	7	108.0	27	60		75	82		4	28 sec/0.7 hr		
10/17/2004	1:00	25.4		6.97	187.0	1	109.0							6			
	7:15	26.9	0.20	6.93	155.0	9	110.0	25	60		77	82		8	28 sec/0.8 hr	26.6	6.82
	14:10	27.1	0.09	7.13	193.0	4	108.0	25	60		80	82		6	44 sec/0.6 hr	27.0	6.68
	Min	20.8	0.03	6.90	22.7	1	99.0	20	60	24.0	70	80	200	1		23.5	6.2
	Max	27.8	0.30	7.49	243.0	478	110.0	40	61	30.0	80	90	230	8		26.7	6.7
	Avg	25.9	0.12	7.08	149.5	37	106.1	27	60	28.5	72	84	218	4		25.3	6.4

13Inf		Portable Meter Readings				
Date	Time	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/11/2004	5:30					
	7:30	27.0	0.30	6.83	15.3	44.0
	13:15	27.7	0.10	6.71	13.7	36.0
10/12/2004	6:50	27.1	0.20	6.97	70.8	70.8
	13:00	27.8	0.30	6.94	40.4	22.0
	15:00	20.7		7.07	61.2	19.0
10/13/2004	6:50	27.4	0.27	6.95	46.6	30.0
	4:00	23.4		7.11	68.3	19.0
10/14/2004	7:00	25.0		6.80	41.6	30.0
	13:00	27.5	0.30	7.07	29.4	27
	22:30	26.1		6.84	23.1	22
10/15/2004	7:15	27.4	0.32	6.90	46.8	25
	13:00	27.3	0.30	7.01	27.7	34
	22:00	26.0		6.95	48.4	24
10/16/2004	7:00	26.7	0.30	6.85	14.9	40
	14:00	26.7	0.40	6.83	30.4	30
17-Oct	1:00	25.4		6.96	47.4	23
	7:15	26.4	0.38	6.92	high	8
	14:10	27.0	0.20	7.00	29.6	20
Min		20.7	0.1	6.7	13.7	8.0
Max		27.8	0.4	7.1	70.8	70.8
Avg		26.3	0.3	6.9	38.6	29.1

		Instrument Readings-BIOSTYR						Portable Meter Readings-13BSEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Effluent DO (mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/11/2004	5:30	2.00	6.90	3.2	6.6	235.9	28.5	25.3		7	12	45.00
	7:30	2.0	6.7	3.4	6.5	243.2	35.7	25.6	4.9	6.9	3.6	63.0
	13:15	2.0	7.6	2.5	6.6	221.2	14.0	27.6	4.6	6.72	8.7	56.0
10/12/2004	6:50	2.0	7.4	1.9	6.6	222.0	15.0	25.5	4.5	6.93	28.3	48.0
	13:00	2.0	7.5	1.2	6.8	220.3	12.9	27.7	4.6	6.90	13.2	49.0
	15:00	2.0	6.8	2.5	6.6	271.5	64.4	20.1		7.11	2.7	62.0
10/13/2004	6:50	2.0	7.5	1.2	6.7	270.0	63.0	27.0	4.4	6.90	4.3	63.0
	4:00	2.0	7.5	1.3	6.7	242.8	34.5	22.4		7.10	4.0	59.0
10/14/2004	7:00											
	13:00	2.0	7.8	3.7	6.7	222.6	15.4	26.9	4.7	7.00	12.0	54.0
	22:30	2.0	7.6	3.8	6.6	266.8	58.5	25.9		6.89	3.1	50.0
10/15/2004	7:15	2.0	7.4	3.6	6.6	238.0	31.0	26.4	4.5	6.95	6.3	66.0
	13:00	2.0	7.4	3.4	6.7	227.0	19.7	27.1	4.6	7.01	7.7	57.0
	0:00	2.0	6.8	3.6	6.6	263.9	56.6	25.0		6.94	3.4	57.0
10/16/2004	7:00	2.0	6.6	3.2	6.7	234.6	27.1	25.1	5.1	6.82	6.9	64.0
	14:00	2.0	7.0	2.7	6.8	225.0	18.0	27.5	4.2	6.90	6.8	65.0
17-Oct	1:00	2.0	6.7	2.2	6.6	266.9	59.1	25.1		6.94	3.5	47.0
	7:15	2.0	7.1	0.7	7.2	22.6	15.1	25.7	3.3	6.91	78.5	36.0
	14:10	2.0	6.1	0.4	7.0	237.6	30.3	27.2	3.9	7.01	14.6	35.0
Min		2.0	6.1	0.4	6.5	22.6	12.9	20.1	3.3	6.7	2.7	35.0
Max		2.0	7.8	3.8	7.2	271.5	64.4	27.7	5.1	7.1	78.5	66.0
Avg		2.0	7.1	2.5	6.7	229.6	33.3	25.7	4.4	6.9	12.2	54.2

		Instrument Readings-BIOFOR C			Portable Meter Readings-13BFCEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Column pressure (psi)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/11/2004	5:30	10.50	6.11	13.0					
	7:30	10.50	6.20	14.0	26.5	5.2	6.8	1.70	68.0
	13:15	3.00	6.46	9.5	28.0	5.4	6.78	8.36	58.0
10/12/2004	6:50		no flow	6.9					
	13:00	4.00	5.90	7.0	27.9	6.0	6.90	12.10	49.0
	1:50								
10/13/2004	6:50	2.00	6.22	14.0	27.4	5.6	6.80	2.54	65.0
	4:00	10.71	4.26	12.0	23.8		7.1	1.93	62.0
10/14/2004	7:00								
	13:00	4.00	6.25	7.0	27.3	6.2	6.91	8.04	55.0
	22:30	3.50	6.91	9.0	25.9		6.89	3.53	47
10/15/2004	7:15	10 (BW blower)	3.30	12.0	26.7	6.7	7.00	4.38	65.0
	13:00	4.00	6.27	9.5	27.5	5.1	7.1	6.25	55.0
	22:00	3.50	5.93	8.5	25.0		6.96	3.76	56.0
10/16/2004	7:00	3.00	6.18	6.0	26.2	6.0	6.80	3.00	65.0
	14:00	4.00	6.17	7.0	28.0	4.9	6.80	9.39	55.0
17-Oct	1:00		6.22	9.0	25.1		7.0	3.84	58.0
	7:15	5.00	5.96	17.0	26.8	5.2	6.89	22.40	53.0
	14:10	3.00	6.14	7.0	27.6	5.4	7.03	5.81	43.0
	Min	2.0	3.3	6.0	23.8	4.9	6.8	1.7	43.0
	Max	10.7	6.9	17.0	28.0	6.7	7.1	22.4	68.0
	Avg	5.1	5.9	9.9	26.6	5.6	6.9	6.5	56.9

BIOFOR -C		Instrument Readings									
Date	Time	Process air flow (scfm)	Backwash air flow (scfm)	Backwash flow (gpm)	Backwash tank level (in)	Inlet pressure (psi)			Headloss (iwc)		Time till next BW (min)
						Before BW	During BW	After BW	Before BW	After BW	
10/14/2004	10:00		16.0	24.98		8	8.5				
10/16/2004	10:30	4.00	16.0	25.96	19.00		8	7			

blower malfunction

Imhoff Cone Testing									
Week	Date	Biostyr				Biofor C			
		Time	Minutes	Volume (mL)	SVI	Time	Minutes	Volume (mL)	SVI
32	10/7/2004	9:36	15	80		11:00	15	1.5	
			30	64			30	3	
33	10/9/2004	9:30	15	68		11:15	15	13	
			30	56			30	12	
34	10/16/2004	9:30	15	34		11:00	15	27	
			30	27			30	26	

WEEK 35

3-Dinf		Portable Meter Readings					Instrument Readings										Densadeg Sludge- Meter Readings	
Date	Time	Temperature (C)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)	Inf. Flow (gpm)	FeCl3 pump speed	FeCl3 pump # of stroke	FeCl3 calibration (ml/min)	Polymer pump speed	Polymer pump # of stroke	Polymer calibration (ml/min)	Sludge blanket level (ft)	Time b/w sludge blowdown (hr)	Temperature (oC)	pH	
10/18/2004	7:00	27.3	0.05	7.11	157.0	8	109.0	25	60		75	85		6		26.5	6.83	
	12:45	27.3	0.06	7.22	207.0	5	108.0	25	60	30	75	80	230	6	0.54 min/0.7 hr	24.8	7.11	
	3:00	20.8		7.00			109.0							4				
10/19/2004	9:00	26.7	0.02	7.06	157.0	8	110.0	28	61		73	85		3		25.1	6.20	
	14:00	25.0	0.05	7.06	232.0	3	109.0	25	60	30	75	80	230	7	0.54 min/0.7 hr	19.5	6.05	
	23:00	20.6		7.00	169.0	5	109.0							4				
10/20/2004	8:15	26.6	0.05	7.13	144.0	8	109.0	25	60		75	85		3		22.8	6.27	
	13:00	25.7	0.04	7.07	203.0	5	107.0	100	75	22	75	85	250	3		17.8	6.55	
10/21/2004	0:10	23.7		7.12	237.0	2	103.0							5				
	7:00	26.1	0.04	7.02	116.0	9	101.0	26	60		75	85		4to 6		21.3	6.29	
	12:30	26.3	0.10		7.2	166	6.0	25	60	24	75	85	270	3 to 4	0.56 min/0.5 hr	20.9	6.29	
10/22/2004	23:00	24.6		7.22	177.0	7	108.0							4				
	7:40	26.0	0.05	7.23	138.0	9	108.0	26	60		75	85		3		22.1	6.63	
	13:00	26.5	0.05	7.34	183.0	6	108.0	32	60	33	75	80	230	3	0.55 min/0.5 hr	22.9	6.72	
10/23/2004	22:40	24.9		7.22	204.0	6	108.0							4				
	7:30	25.5	0.09	6.69	128.0	10	107.0	30	60	36	80	75	240	4	0.56 min/0.68 hr	18.7	6.27	
	12:57	25.8	0.04	7.06	200.0	4	108.0	30	60	30	80	55	170	3	0.56 min/0.5 hr	23.1	6.38	
24-Oct	1:25	22.3		7.10	161.0	7	107.0							6				
	8:10	25.6	0.08	6.82	124.0	7	107.0	30	60	32	60	80	180	5 to 6	0.56 min/0.7 hr	21.0	6.10	
	13:00	26.4	0.05	7.00	141.0	6	107.0	30	60	32	80	60	190	5	0.56 min/0.7 hr	23.2	6.28	
	Min	20.6	0.02	6.69	7.2	2	6.0	25	60	22.0	60	55	170	3		17.8	6.1	
	Max	27.3	0.10	7.34	237.0	166	110.0	100	75	36.0	80	85	270	7		26.5	7.1	
	Avg	25.2	0.06	7.08	162.4	15	102.4	33	61	29.9	75	79	221	4		22.1	6.5	

13Inf		Portable Meter Readings				
Date	Time	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/18/2004	7:00	27.1	0.22	6.92	31.2	38.0
	12:45	27.2	0.20	7.08	17.5	32.0
10/19/2004	3:00	21.9		7.00	24.0	34.0
	9:00	26.5	0.21	6.95	24.8	31.0
	14:00	25.9	0.20	6.90	77.1	12.00
	23:30	21.8		6.90	31.7	28.0
10/20/2004	8:15	26.1	0.20	6.96	24.0	31.0
	13:00	25.0	0.20	6.94	16.3	26.0
10/21/2004		25.8	0.10	6.85	22.4	34.0
	12:30	26.1	0.10	7.12	20.7	30
	23:00	24.9		7.16	21.3	34
10/22/2004	7:00	25.7	0.27	6.97	29.6	27
	13:00	26.4	0.20	7.10	22.2	33
	22:40	24.7		7.01	16.7	38
10/23/2004	7:45	25.6	0.18	6.66	23.7	39
	13:15	26.0	0.20	6.82	19.0	26
24-Oct	8:15	26.0	0.15	6.79	17.2	35
	13:10	26.7	0.22	6.90	35.8	26
	1:25	23.0		6.92	25.2	34
Min		21.8	0.1	6.7	16.3	12.0
Max		27.2	0.3	7.2	77.1	39.0
Avg		25.4	0.2	6.9	26.3	30.9

		Instrument Readings-BIOSTYR						Portable Meter Readings-13BSEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Effluent DO (mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/18/2004			not operating									
	12:45	2.0	11.1	0.1	7.1	233.6	26.3	27.0	4.0	7.1	16.3	49.0
10/19/2004	3:00	2.0	11.0		7.0	272.0	65.4	22.3		6.9	46.9	47.0
	9:00	2.0	11.1	0.0	6.9	240.0	33.0	25.7	3.9	7.02	12.5	38.0
	14:00	2.0	11.3	0.0	7.1	249.4	41.9	25.2	2.7	6.97	77.9	17.0
	23:30	2.0	11.3	0.1		241.0	33.5	21.9		7.00	14.0	41.0
10/20/2004	8:15	2.0	11.0			297.0	90.0	25.7	4.3	6.98	6.9	53.0
	13:00	2.0	11.2			236.0	28.5	24.6	4.4	7.02	16.8	43.0
10/21/2004	0:10	2.0	11.0			271.5	64.1	23.5		7.03	10.4	45.0
		2.0	11.1			243.0	36.0	25.1	4.5	6.83	9.6	52.0
	12:30	2.0	11.2			232.5	24.7	25.6	4.5	7.22	9.7	47.0
	23:00	2.0	11.1			291.1	83.5	23.9		7.17	5.7	62.0
10/22/2004	7:00	2.0	11.1			264.0	56.0	24.6	4.7	6.95	5.7	55.0
	13:00	2.0	11.1			236.8	29.3	26.8	3.9	7.06	13.8	47.0
	22:40	2.0	11.0			233.8	25.5	23.5		7.23	53.4	44.0
10/23/2004	7:55	2.0	11.0			256.4	48.8	23.3	4.4	6.70	10.3	53.0
	13:00	2.0	11.0			242.6	35.1	26.0	4.0	6.80	11.5	48.0
10/24/2004	8:30	2.0	11.0			233.5	26.0	24.4	3.5	6.84	54.1	43.0
	13:10	2.0	11.1			249.2	42.0	26.5	4.1	6.84	10.2	50.0
	1:25	2.0	11.0			292.0	85.0	22.6		6.99	9.2	49.0
	Min	2.0	11.0	0.0	6.9	232.5	24.7	21.9	2.7	6.7	5.7	17.0
	Max	2.0	11.3	0.1	7.1	297.0	90.0	27.0	4.7	7.2	77.9	62.0
	Avg	2.0	11.1	0.1	7.0	253.4	46.0	24.6	4.1	7.0	20.8	46.5

		Instrument Readings-BIOFOR C			Portable Meter Readings-13BFCEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Column pressure (psi)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/18/2004	7:00	7.00	9.10	14.7	26.8	5.8	6.86	3.40	67.00
	12:45	3.00	9.15	8.0	27.1	5.7	7.2	20.50	51.0
10/19/2004	3:00		3.80					3.40	57.0
	9:00	3.00	9.03	10.6	25.5	5.6	7.04	7.35	57.0
	14:00	3.40	3.45	7.0	24.7	6.1	6.84	10.20	49.0
	23:30	3.00	9.20	9.2	22.2		7.00	4.90	51.0
10/20/2004	8:15	3.00	9.20	12.0	25.7	5.8	7.08	3.61	60.0
	14:00	4.00	9.20	8.5	21.3	5.9	7.1	12.60	46.0
10/21/2004	0:10	3.50	3.30	8.0	23.6		6.98	2.68	59.0
		3.20	9.20	10.5	24.2	5.5	6.69	4.79	59.0
	12:30	3.00	9.54	7.5	25.9	6.6	7.26	9.56	49
	23:00	3.50	9.97	9.0	24.2		7.28	14.50	55.0
10/22/2004	7:40	4.00	no flow	8.7	23.6	7.0	7.0	3.26	65.0
	13:00	4.00	9.16	7.0	26.5	5.8	7.20	24.50	45.0
	22:40	3.00	9.23	8.0	24.3		7.37	23.80	48.0
10/23/2004	7:50	4.00	9.30	10.0	25.3	6.0	6.81	56.70	38.0
	13:17	4.00	9.86	7.0	26.3	5.7	6.9	11.80	48.0
10/24/2004	8:25	4.00	9.62	9.5	25.5	6.1	7.14	38.70	37.0
	13:17	4.00	9.40	7.0	26.7	5.4	7.17	16.00	50.0
	1:25	12.50	9.21	9.5	23.1		7.10	11.10	46.0
	Min	3.0	3.3	7.0	21.3	5.4	6.7	2.7	37.0
	Max	12.5	10.0	14.7	27.1	7.0	7.4	56.7	67.0
	Avg	4.2	8.4	9.0	24.9	5.9	7.0	14.2	51.9

BIOSTYR		Instrument Readings										
Date	Time	Process air flow (scfm)	Backwash air flow (scfm)	Backwash flow (gpm)	Effluent DO(mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)		Backwash tank level (in)	Time till next BW (min)	Max time between BW (min)
								Before BW	After BW			
10/14/2004	9:30	2.00	5.0	103.70	2.40	6.90	203.5	40	0	N/A		1440
10/16/2004	9:10		5.0	99.50	1.70	6.80	198.3		0	51	1435	1440
10/18/2004	9:00	2.00	5.0	101.50	0.10	6.80	200.1	40	0	35.75	1417	1440
10/19/2004	9:00	2.00	5.0	101.30	0.00	7.10	200.1	32.7	0	38.5	1596	1440
10/20/2004	9:00	2.00	5.0	101.50	0.00		202.7	25.1	0	47	1421	1440
10/21/2004	9:00	0.00	5.0	90-100			100-200	36		53.5	1380	1440
10/22/2004	9:00		5.0	101.00	0.00		100-200	56		51	1422	1440
10/24/2004	9:12		5.0	104.30	0.00		129.3		0	41	1440	1440

BIOFOR -C		Instrument Readings										
Date	Time	Process air flow (scfm)	Backwash air flow (scfm)	Backwash flow (gpm)	Backwash tank level (in)	Inlet pressure (psi)			Headloss (iwc)		Time till next BW (min)	e between B
						Before BW	During BW	After BW	Before BW	After BW		
10/18/2004	10:00	blower failed	16.0	26.44	CBW	15	9	7.5	97	42		
10/19/2004	10:00		16.0	26.22	20.50	15	9	8	90	42.5		
10/20/2004	10:00	blower failed	16 to 19	26.08	25.00	12	10	8.5	97	42		
10/21/2004	10:00		16.0	26.00		8.5						
10/22/2004	10:00		16.0	26.00	25.00	9						
10/24/2004	10:10	4.00	15.0	25.59	29.50	9	5	7	56.5	43		

WEEK 36

3-Dinf		Portable Meter Readings					Instrument Readings							Densadeg Sludge- Meter Readings			
Date	Time	Temperature (C)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)	Inf. Flow (gpm)	FeCl3 pump speed	FeCl3 pump # of stroke	FeCl3 calibration (ml/min)	Polymer pump speed	Polymer pump # of stroke	Polymer calibration (ml/min)	Sludge blanket level (ft)	Time b/w sludge blowdown (hr)	Temperature (oC)	pH
10/25/2004	2:00	23.7		6.97	164.0	0.4	107.0							5			
	7:30	26.3		6.88	117.0		107.0							3			
	13:00	26.6	0.04	7.29	190.0	5	108.0	30	60	32	180	85	180	3	0.56 / 0.8	21.8	6.40
10/26/2004	1:20	22.5		7.07	181.0	1	106.0							5			
	8:05	26.4	0.03	7.20	107.0	9		30	60			85					
	12:15	26.7	0.03	7.29	175.0	6	108.0	30	60	34	60	80	180	3	0.55 / 0.5	25.1	6.41
10/27/2004	0:00	17.3		7.14	103.0	1	103.0							4			
	8:10	16.3		7.38	167.0	16											
	11:40	20.8		5.80	201.0	5											
10/28/2004	8:10	18.9		7.17	114.0	10	102.0	30	60		73	85		3		19.3	6.67
	10:25	18.3		7.12	178.0	5	108.0							6			
	13:00	25.3	0.05	6.77	173.0	7	104.0	30	60	38	70	80	220	1	0.56 / 0.18	23.0	6.78
10/29/2004	13:00	25.0	0.04	7.37	112.0	13	108.0	29	60		73	85		3		21.9	6.74
	13:00	25.6	0.10	7.26	184.0	7	103.0	20	60	26	70	85	230	4	0.56 / 0.6	21.9	6.37
	22:15	17.8		7.25	155.0	8	106.0							7			
10/30/2004	7:20	23.9	0.10	6.89	124.0	11	107.0	20	60	25	80	70	220	6	0.65 / 0.56	16.0	
	13:15	25.2	0.12	7.28	166.0	7	108.0	20	60	25	70	80	220	7	0.6 / 0.56	23.0	6.76
	0:00	18.4		7.23	143.0	7	105.0							6			
10/31/2004	8:50	24.8	0.09	7.30	93.9	12	108.0	20	60	23	75	85	220	5	0.6 / 0.6	15.1	6.23
	13:20	25.6	0.11	7.33	206.0	6	108.0	20	60	22	70	80	220	5	0.6 / 0.6	20.3	6.15
Min		16.3	0.03	5.80	93.9	0	102.0	20	60	22.0	60	70	180	1	0.0	15.1	6.4
Max		26.7	0.12	7.38	206.0	16	108.0	30	60	38.0	180	85	230	7	0.0	25.1	6.8
Avg		22.8	0.07	7.10	152.7	7	106.2	25	60	28.1	82	82	211	4	#DIV/0!	21.5	6.6

13Inf		Portable Meter Readings				
Date	Time	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/25/2004	2:00	22.9		7.00	30.9	31.0
	8:05	26.2	0.05	7.15	21.9	42.0
	13:00	26.4	0.10	7.11	22.4	29.0
10/26/2004	1:20	22.5		7.01	28.9	28.0
	8:05	26.2	0.17	7.00	37.3	28.0
	12:30	26.7	0.20	7.37	29.2	23.00
10/27/2004	0:00	22.3		7.00	26.6	26.0
	8:10	17.7		7.00	18.9	44.0
	11:40	22.1		6.43	18.9	29.0
10/28/2004	8:10	18.8		7.06	11.0	38.0
	10:25	23.3		6.81	17.8	30.0
	13:00	25.0	0.30	6.55	12.3	34
10/29/2004		24.8	0.17	7.00	18.7	23
	13:00	25.8	0.10	6.77	21.2	24
	22:15	23.5		6.88	23.3	29
10/30/2004	7:20	24.5	0.13	6.85	19.8	33
	13:15	25.4	0.22	7.07	34.5	24
10/31/2004	0:00	24.5		7.13	23.5	28
	9:00	25.1	0.18	7.11	15.6	40
	13:20	25.9	0.18	7.14	22.9	30
Min		17.7	0.1	6.4	11.0	23.0
Max		26.7	0.3	7.4	37.3	44.0
Avg		24.0	0.2	7.0	22.8	30.7

		Instrument Readings-BIOSTYR						Portable Meter Readings-13BSEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Effluent DO (mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/25/2004	2:00	2.00	11.10			245.7	38.4	22.4		7.04	45.7	45.00
	8:00	2.0	11.2			276.5	68.1	25.6	3.6	7.0	22.2	55.0
	13:00	2.0	11.2			258.0	50.4	26.2	3.7	7.21	11.0	45.0
10/26/2004	1:20	2.0	11.2			268.7	60.4	23.4		7	24.4	28.0
	8:05	2.0	11.1			292.0	85.0	25.5	4.0	7.08	7.9	53.0
	12:30	2.0	11.2	4.1		253.1	45.7	26.6	4.0	7.25	15.4	50.0
10/27/2004	0:00	2.0	11.0			296.0	88.0	21.9		7.06	8.1	52.0
	9:20	2.0	0.0	4.5	14.0	203.0	0.0	18.1		7.05	16.1	53.0
	11:40	2.0	10.9	4.6	14.0	255.9	48.0	20.5		6.35		27.0
10/28/2004	8:10	2.0	11.0	5.0	14.0	233.0	25.7	18.5		7.11	27.4	48.0
	10:25	2.0	11.0	4.8	14.0	271.0	63.5	22.7		6.85	7.0	50.0
	13:00	2.0	11.2	4.9		231.7	24.3	24.7	4.9	6.66	8.4	52.0
10/29/2004		2.0	11.0	4.6	14.0	267.0	60.0	23.7	4.5	7.20	14.6	45.0
	13:00	2.0	11.1	4.4		246.0	38.7	25.5	4.4	6.79	11.3	48.0
	22:15	2.0	11.2	3.4		249.0	41.4	22.9		6.91	32.2	31.0
10/30/2004	7:20	2.0	11.2	3.9		276.0	68.7	23.6	4.1	6.81	28.9	41.0
	13:15	2.0	11.1	3.0		260.0	53.3	24.8	3.5	7.03	45.0	33.0
10/31/2004	0:00	2.0	11.3	3.4		251.0	42.5	23.9		6.93	32.5	32.0
	9:15	2.0	11.2	2.2		228.9	21.6	24.1	3.5	7.12	52.3	38.0
	13:20	2.0	10.9	3.1		246.7	39.5	25.7	4.1	7.14	11.6	50.0
	Min	2.0	0.0	2.2	14.0	203.0	0.0	18.1	3.5	6.4	7.0	27.0
	Max	2.0	11.3	5.0	14.0	296.0	88.0	26.6	4.9	7.3	52.3	55.0
	Avg	2.0	10.6	4.0	14.0	255.5	48.2	23.5	4.0	7.0	22.2	43.8

		Instrument Readings-BIOFOR C			Portable Meter Readings-13BFCEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Column pressure (psi)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
10/25/2004	2:00	13.00	8.99	9.0	23.2		7.1	25.30	46.00
	7:50	4.00	9.19	9.0	25.4	5.2	7.1	48.20	43.0
	13:00	3.00	9.21	7.5	26.4	5.7	7.38	7.90	50.0
10/26/2004	1:20	12.50	9.16	9.5	23.4		7.2	13.60	43.0
	8:05	3.00	9.10	9.3	25.8	6.3	7.28	47.40	36.0
	12:30	3.00	9.90	8.0	26.6	6.1	7.38	11.60	51.0
10/27/2004	0:00	12.50	9.15	9.0	23.3		7.19	8.13	55.0
	8:10	3.00	4.00	9.7					
	11:40	3.00	9.30	9.8	21.7		6.50	6.22	52.0
10/28/2004	8:10	2.00	9.30	11.0	18.7		7.1	3.26	61.0
	10:25	3.00	9.28	9.5	23.0		6.93	5.31	49.0
	13:00	3.00	9.23	8.0	24.8	5.7	6.67	6.48	54.0
10/29/2004		2.00	8.90	13.0	23.3	6.0	7.43	6.20	54
	13:00	3.00	8.92	8.0	25.6	5.9	7.10	10.50	50.0
	22:15	3.00	9.23	9.0	23.4		6.9	14.40	46.0
10/30/2004	7:20	1.00	10.19	19.0	24.0	4.6	6.80	8.33	44.0
	13:15	3.00	9.15	6.5	25.2	5.4	7.24	22.00	39.0
10/31/2004	0:00	3.00	9.22	9.0	24.2		6.94	14.30	47.0
	8:50	3.00	4.29	15.0	24.5	5.2	7.30	7.34	55.0
	13:20	3.00	8.96	7.0	25.7	5.7	7.57	9.01	52.0
	Min	1.0	4.0	6.5	18.7	4.6	6.5	3.3	36.0
	Max	13.0	10.2	19.0	26.6	6.3	7.6	48.2	61.0
	Avg	4.3	8.7	9.8	24.1	5.6	7.1	14.5	48.8

BIOSTYR		Instrument Readings										
Date	Time	Process air flow (scfm)	Backwash air flow (scfm)	Backwash flow (gpm)	Effluent DO(mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)		Backwash tank level (in)	Time till next BW (min)	Max time between BW (min)
								Before BW	After BW			
10/25/2004	9:00	2.00	5.0	104.40	0.00		200.4		0	37	1415	1440
10/26/2004	9:00	2.00	3.0	104.20	0.00		204.8	93.2	0	77.5	1421	1440
10/27/2004	9:00	2.00	3.0	104.00	4.60		130	51.1	0	45	1414	1440
10/28/2004	9:00	2.00	3.0	105.50	5.10		204.7	29.6	12.3	52.25	1421	1440
10/30/2004	9:00		3.0	105.10	3.00		130			65	1437	1440

BIOFOR -C		Instrument Readings										
Date	Time	Process air flow (scfm)	Backwash air flow (scfm)	Backwash flow (gpm)	Backwash tank	Inlet pressure (psi)			Headloss (iwc)		Time till next BW (min)	e between B
					level (in)	Before BW	During BW	After BW	Before BW	After BW		
10/25/2004	10:00	4.00	16.0	25.48		9	9	8	60	40	1372	1372
10/26/2004	10:00	3.00	16.0	25.37	26.00	9	9	8	56.5	39	1372	1372
10/27/2004	10:00	3.00	16.0	26.00		9.5	11		64.5	7	1370	1370
10/28/2004	10:00	3.00	16.0	26.00	26.50	11	12	8	97	40	1372	1372
10/30/2004	10:05	3.0	17.0	25.06	30.75	20	7	8			1372	1372

Imhoff Cone Testing														
Week	Date	Biostyr				Biofor C				Date	Combined BW			
		Time	Minutes	Volume (mL)	SVI	Time	Minutes	Volume (mL)	SVI		Time	Minutes	Volume (mL)	SVI
32	10/7/2004	9:36	15	80		11:00	15	1.5		10/7/2004	11:00	15	1.5	
			30	64			30	3				30	3	
33	10/16/2004	9:30	15	34		11:00	15	27		10/14/2004	10:55	15	29	
			30	27			30	26				30	23	
34	10/19/2004	9:35	15	50		11:00	15	60		10/18/2004	11:10	15	90	
			30	38			30	48				30	65	
	10/22/2004	9:31	15	65		11:00	15	50		10/20/2004	11:30	15	58	
			30	50			30	40				30	45	
	10/24/2004	9:30	15	60		11:45	15	110		10/20/2004	11:10	15	90	
			30	40			30	82				30	75	
	10/26/2004	9:35	15	56		11:10	15	150		10/25/2004	11:10	15	72	
			30	42			30	120				30	58	

WEEK 37

3-Dinf		Portable Meter Readings					Instrument Readings								Densadeg Sludge- Meter Readings		
Date	Time	Temperature (°C)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)	Inf. Flow (gpm)	FeCl3 pump speed	FeCl3 pump # of stroke	FeCl3 calibration (ml/min)	Polymer pump speed	Polymer pump # of stroke	Polymer calibration (ml/min)	Sludge blanket level (ft)	Time b/w sludge blowdown (hr)	Temperature (°C)	pH
11/1/2004	3:30	22.8		7.08	47.3	10	74.0							10			
	8:00	25.5	0.05	7.20	118.0	10.0	75.0	20	61		50	85		3			
	13:00	25.8	0.08	7.17	193.0	6	108.0	30	60	30	70	80	230	1	0.6 min/0.6hr	22.8	6.56
11/2/2004	2:45	23.2		7.02	141.0	8	108.0							4			
	8:00	25.6	0.05	7.02	114.0	9	108.0	28	60		72	85		3		21.4	6.20
	13:00	25.7	0.05	7.16	234.0	5	108.0	25	60	26	70	85	220	3	0.6 min/0.68hr	22.4	6.22
11/3/2004	1:00	21.8		7.15	154.0	8	107.0							6			
	8:00	25.3	0.05	6.95	121.0	8	107.0	25	60		71	85		3		19.8	6.14
	13:00	25.8	0.06	7.25	205.0	6	107.0	30	60	30	70	80	230	3	0.6 min/0.6hr	23.7	6.24
	22:50	25.0		6.78	181.0	5	105.0							6			
11/4/2004	8:00	25.6	0.04	6.85	133.0	7	106.0	26	81		72	85		1		22.5	6.19
	13:15	25.8	0.04	7.13	212.0	5	106.0	30	60	30	70	80	230	5	0.6 min/0.6hr	22.9	6.36
11/6/2004	9:00						108.0	30	60	30	70	80	220	1			
	12:00	25.4	0.12	7.17	164.0	5	108.0							1	1 hr/0.6hr	22.5	6.44
	22:00	25.3		6.94	38.8	21	107.0							6			
11/7/2004	12:00	24.2	0.28	6.90	195.0	5	108.0	25	60	30	72	85	220	8	0.6 min/0.5hr		
	Min	21.8	0.04	6.78	38.8	5	75.0	20	60	26.0	50	80	220	1		19.8	6.1
	Max	25.8	0.28	7.25	234.0	21	108.0	30	81	30.0	72	85	230	8		23.7	6.6
	Avg	24.9	0.09	7.05	150.1	8	105.1	27	62	29.3	69	83	225	4		22.3	6.3

13Inf		Portable Meter Readings				
Date	Time	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
11/1/2004	8:00	25.4	0.37	7.00	21.6	30.0
	13:00	26.0	0.10	6.99	20.3	33.0
	3:30	20.8		7.10	47.3	27.0
11/2/2004	2:45	22.8		6.98	28.2	28.0
	8:00	25.5	0.21	6.82	19.1	41.0
	13:00	25.8	0.10	7.02	19.6	29.00
11/3/2004	1:00	23.4		7.03	23.3	28.0
	8:00	24.8	0.16	6.68	66.3	15.0
	13:00	25.6	0.20	7.01	20.0	30.0
	22:50	25.0		6.75	23.5	23.0
11/4/2004	8:00	25.0	0.20	6.65	27.2	31.0
	13:15	25.4	0.14	6.86	21.7	30
11/6/2004	12:00	25.4	0.42	6.86	23.5	26
	22:00	25.1		6.84	24.4	28
11/7/2004	12:00	25.0	0.26	6.84	62.3	14
Min		20.8	0.1	6.7	19.1	14.0
Max		26.0	0.4	7.1	66.3	41.0
Avg		24.7	0.2	6.9	29.9	27.5

		Instrument Readings-BIOSTYR						Portable Meter Readings-13BSEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Effluent DO (mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
11/1/2004	8:00	2.00	11.00	1.5		280	72.5	24.6	3.9	7.08	19.8	41.00
	13:00	2.0	11.0	2.6		224.1	16.6	23.6	5.0	7.0	31.8	55.0
	3:30	2.0	11.1	0.2		226.4	22.1	20.1		7.11	2.7	62.0
11/2/2004	2:45	2.0	11.1	2.5		277.1	69.5	22.6		6.96	6.8	55.0
	8:00	2.0	7.4	2.7		245.0	38.0	24.5	5.4	6.93	10.4	54.0
	13:00	2.0	7.4	28.0		231.8	24.5	25.8	5.5	7.05	18.8	53.0
11/3/2004	1:00	2.0	7.4	2.0		226.5	19.1	22.9		7.03	32.1	47.0
	8:00	2.0	7.4	2.5		256.0	49.0	23.7	6.4	6.83	7.8	59.0
	13:00	2.0	7.4	1.8		228.7	22.0	26.1	5.8	6.92	15.4	53.0
	22:50	2.0	7.4	1.6	6.0	277.0	69.9	25.0		6.68	48.5	48.0
11/4/2004	8:00	2.0	7.4	1.4		252.0	45.0	24.2	5.6	6.76	4.3	62.0
	13:15	2.0	7.4	0.8		232.0	24.5	25.0	5.4	6.96	12.0	48.0
11/6/2004	12:32	2.0	7.2	0.3		225.9	18.6	23.9	4.9	6.97	99.3	24.0
	22:00	2.0	8.4	2.0		225.8	19.3	24.4		6.94	89.4	21.0
11/7/2004	12:30	2.0	7.3	0.1		226.9	19.5	24.9	4.3	6.94	24.4	39.0
	Min	2.0	7.2	0.1	6.0	224.1	16.6	20.1	3.9	6.7	2.7	21.0
	Max	2.0	11.1	28.0	6.0	280.0	72.5	26.1	6.4	7.1	99.3	62.0
	Avg	2.0	8.4	3.3	6.0	242.3	35.3	24.1	5.2	6.9	28.2	48.1

		Instrument Readings-BIOFOR C			Portable Meter Readings-13BFCEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Column pressure (psi)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
11/1/2004	8:00	3.00	no flow	7.1					
	13:00	3.00	6.83	6.5	25.6	5.9	7.2	8.85	57.0
	3:30	3.00	no flow	7.0	21.4		7	16.70	53.0
11/2/2004	2:45	3.00		10.0	22.3		7.01	4.40	63.0
	8:00	2.00	3.70	11.5	24.4	6.8	7.04	4.04	63.0
	13:00	3.00	6.07	6.5	25.8	6.8	7.20	6.99	56.0
11/3/2004	1:00	3.00	6.35	10.0	23.3		7.01	15.10	56.0
	8:00	2.00	6.20	13.4	24.3	7.4	6.89	3.78	65.0
	13:00	3.00	6.19	7.0	25.6	7.3	7.02	15.20	53.0
	22:50		7.00	9.5	25.0		6.7	4.48	52.0
11/4/2004	8:00	2.00	6.10	12.3	24.4	6.0	6.74	3.10	65.0
	13:15	3.00	6.12	7.0	25.6	6.6	7.19	8.21	55.0
11/6/2004	12:30	4.00	5.86	6.5	25.6	6.6	7.15	14.60	52
	22:00	5.00	5.86	6.0	25.4		15.60	7.10	53.0
11/7/2004	12:30	3.00	6.02	7.0	24.6	5.8	7.0	13.80	50.0
	Min	2.0	3.7	6.0	21.4	5.8	6.7	3.1	50.0
	Max	5.0	7.0	13.4	25.8	7.4	15.6	16.7	65.0
	Avg	3.0	6.0	8.5	24.5	6.6	7.6	9.0	56.6

Imhoff Cone Testing														
Week	Date	Biostyr				Biofor C				Date	Combined BW			
		Time	Minutes	Volume (mL)	SVI	Time	Minutes	Volume (mL)	SVI		Time	Minutes	Volume (mL)	SVI
	10/7/2004	9:36	15	80		11:00	15	1.5		10/7/2004	11:00	15	1.5	
			30	64			30	3				30	3	
	10/16/2004	9:30	15	34		11:00	15	27		10/14/2004	10:55	15	29	
			30	27			30	26				30	23	
	10/19/2004	9:35	15	50		11:00	15	60		10/18/2004	11:10	15	90	
			30	38			30	48				30	65	
	10/22/2004	9:31	15	65		11:00	15	50		10/20/2004	11:30	15	58	
			30	50			30	40				30	45	
	10/24/2004	9:30	15	60		11:45	15	110		10/20/2004	11:10	15	90	
			30	40			30	82				30	75	
	10/26/2004	9:35	15	56		11:10	15	150		10/25/2004	11:10	15	72	
			30	42			30	120				30	58	
	11/3/2004	9:35	15	45		10:55	15	98		10/27/2004	11:00	15	76	
			30	40			30	80				30	60	

WEEK 38

3-Dinf		Portable Meter Readings					Instrument Readings							Densadeg Sludge- Meter Readings			
Date	Time	Temperature (°C)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)	Inf. Flow (gpm)	FeCl3 pump speed	FeCl3 pump # of stroke	FeCl3 calibration (ml/min)	Polymer pump speed	Polymer pump # of stroke	Polymer calibration (ml/min)	Sludge blanket level (ft)	Time b/w sludge blowdown (hr)	Temperature (°C)	pH
11/8/2004	8:00	25.2	0.08	7.07	111.0	9	107.0							4			
	13:00	25.4	0.08	7.16	193.0	5.0	107.0	30	60	30	70	80	220	5	0.6 min/0.6 hr		
11/9/2004	4:30	20.5		6.84	151.0	5	106.0							4			
	8:00	25.3	0.05	7.01	127.0	8	107.0	27	61		70	85		3 to 5		23.4	6.54
	13:00	25.3	0.10	7.16	198.0	5	107.0	30	60	30	70	80	210	3	0.6 min/0.5 hr	23.1	6.71
	23:00	21.6		7.00	177.0	6	107.0							1			
11/10/2004	8:00	25.2	0.06	6.93	134.0	6	107.0	30	60		70	85		1		19.4	6.11
	13:00	25.3	0.05	7.21	219.0	5	93.0	30	60	36	70	80	210	3	0.6 min/0.7 hr	21.4	6.02
	22:45	23.5		7.12	232.0	4	102.0							5			
11/11/2004	8:00	24.3	0.12	6.92	129.0	7	102.0	30	60	34	70	80	210	5	0.6 min/0.66 hr	21.5	6.23
	22:03	24.1		7.01	175.0	5	108.0							5			
11/12/2004	8:00	25.1	0.05	7.14	130.0	12	108.0	28	60		70	85		4		21.9	6.28
	12:30	25.1	0.10	7.29	223.0	5	108.0	25	60	26	70	85	210	4	0.6 min/0.5 hr	21.7	6.13
11/13/2004	0:25	22.0		6.86		7	108.0							5			
	8:15	24.8	0.09	7.14	145.0	11	107.0	30	60	30	70	80	210	5	0.6 min/0.66 hr	20.9	6.22
	13:25	24.3	0.06	7.30	229.0	4	107.0	30	60	30	70	80	210	3	0.6 min/0.5 hr	23.6	6.52
11/14/2004	1:15	24.6		6.93	182.0		107.0							6			
	8:15	22.8	0.10	7.08	149.0		108.0	30	60	32	70	80	210	4	0.6 min/0.66 hr	19.2	6.10
	13:33	24.6	0.11	7.25	225.0		106.0	30	60	29	70	80	215	4	0.6 min/0.5 hr	21.6	6.05
	Min	20.5	0.05	6.84	111.0	4	93.0	25	60	26.0	70	80	210	1		19.2	6.0
	Max	25.4	0.12	7.30	232.0	12	108.0	30	61	36.0	70	85	220	6		23.6	6.7
	Avg	24.2	0.08	7.07	173.8	7	105.8	29	60	30.8	70	82	212	4		21.6	6.3

		Instrument Readings-BIOFOR C			Portable Meter Readings-13BFCEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Column pressure (psi)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
11/8/2004	8:00	3.50	6.12	15.0	24.8	6.9	7.05	4.47	58.00
	13:00	3.00	6.11	11.0	25.4	6.3	7.1	5.97	51.0
11/9/2004	4:30	2.30	5.86	9.0	21.0		7	16.90	53.0
	8:00	2.00	6.30	11.4	23.5	6.5	6.9	4.62	61.0
	13:00	3.00	6.56	7.0	25.3	6.3	7.18	8.57	55.0
	23:30	3.00	6.23	13.0	21.6		6.90	5.11	51.0
11/10/2004	8:00	2.00	6.00	12.2	23.6	6.5	6.85	4.48	63.0
	13:00	3.00	6.82	7.0	25.5	6.9	7.11	9.96	52.0
	22:55	3.00	6.14	8.5	23.2		7.16	6.74	52.0
11/11/2004	8:00	3.00	6.36	11.5	24.5	6.3	7.07	4.39	57.0
	22:03	3.00	6.18	8.0	23.3		6.87	6.66	50.0
11/12/2004	8:00	2.00	no flow	11.0	24.1	6.9	7.07	4.46	61.0
	12:30	5.00	6.23	7.0	25.3	6.5	7.27	12.20	52.0
	23:55	2.80	6.28	10.0	24.0		6.95		54.0
11/13/2004	8:25	3.00	5.64	13.0	24.4	6.1	7.0	3.72	61.0
	13:42	3.00	5.73	7.0	24.8	5.9	7.26	7.98	
11/14/2004	1:15	13.00	6.13	10.0	21.8		7.03	6.17	
	8:30	3.00	6.34	13.0	24.2	5.9	6.95	3.17	
	13:46	3.00	6.63	6.5	25.3	6.3	7.29	8.62	
	Min	2.0	5.6	6.5	21.0	5.9	6.9	3.2	50.0
	Max	13.0	6.8	15.0	25.5	6.9	7.3	16.9	63.0
	Avg	3.5	6.2	10.1	24.0	6.4	7.1	6.9	55.4

Imhoff Cone Testing

Week	Date	Biostyr				Biofor C				Date	Combined BW			
		Time	Minutes	Volume (mL)	SVI	Time	Minutes	Volume (mL)	SVI		Time	Minutes	Volume (mL)	SVI
	10/7/2004	9:36	15	80		11:00	15	1.5		10/7/2004	11:00	15	1.5	
			30	64			30	3				30	3	
	10/16/2004	9:30	15	34		11:00	15	27		10/14/2004	10:55	15	29	
			30	27			30	26				30	23	
	10/19/2004	9:35	15	50		11:00	15	60		10/18/2004	11:10	15	90	
			30	38			30	48				30	65	
	10/22/2004	9:31	15	65		11:00	15	50		10/20/2004	11:30	15	58	
			30	50			30	40				30	45	
	10/24/2004	9:30	15	60		11:45	15	110		10/20/2004	11:10	15	90	
			30	40			30	82				30	75	
	10/26/2004	9:35	15	56		11:10	15	150		10/25/2004	11:10	15	72	
			30	42			30	120				30	58	
	11/3/2004	9:35	15	45		10:55	15	98		10/27/2004	11:00	15	76	
			30	40			30	80				30	60	
	11/9/2004	9:35	15	98		11:01	15	86		11/4/2004	11:00	15	60	
			30	76			30	68				30	48	
	11/13/2004	9:30	15	60		11:00	15	58						
			30	48			30	46						
			15				15							
			30				30							
			15				15							
			30				30							

WEEK 39

3-Dinf		Portable Meter Readings					Instrument Readings										Densadeg Sludge- Meter Readings	
Date	Time	Temperature (°C)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)	Inf. Flow (gpm)	FeCl3 pump speed	FeCl3 pump # of stroke	FeCl3 calibration (ml/min)	Polymer pump speed	Polymer pump # of stroke	Polymer calibration (ml/min)	Sludge blanket level (ft)	Time b/w sludge blowdown (hr)	Temperature (°C)	pH	
11/15/2004	2:30	22.2		7.00	178.0		108.0							4				
	8:00	25.0	0.03	7.10	160.0	4.0	109.0	29	60		70	85		3 to 4		21.3	6.18	
11/16/2004	13:00	25.2	0.08	7.25	231.0	5	109.0	30	60	26	70	85	220	3 to 4	0.6 min/0.56 hrs	22.1	5.89	
	1:30	22.6		6.90	206.0	5	106.0							5				
11/17/2004	8:00	24.3	0.07	7.04	166.0	4	106.0	25	60		73	85		3 to 6		19.2	6.12	
	13:50	25.3	0.05	6.95	230.0	4	108.0	25	60	30	70	80	225	1 to 3	36 sec/30 min	24.1	5.97	
11/18/2004	2:00	22.4		6.84	175.0	6	107.0							5				
	8:00	25.1	0.05	6.95	142.0	10	107.0	30	60		73	85		3 to 4		21.6	6.14	
11/18/2004	13:00	25.5	0.05	7.21	183.0	6	108.0	30	60	30	70	80	230	1 to 3	1 min/0.5 hr	22.8	6.10	
	1:00	21.8		6.91	186.0	6	108.0							6				
11/18/2004	8:00	24.7	0.07	7.02	125.0	9	109.0	30	60		73	85		4 to 5		20.4	6.21	
	13:00	25.5	0.05	7.30	232.0	5	108.0	30	60	30	70	80	225	3	36 sec/60 min	21.2	6.16	
11/19/2004	22:45	20.7		7.13	191.0	6	108.0							4				
	8:00	24.9	0.05	7.10	133.0	8	108.0	30	60		70	85		3 to 6		19.0	6.14	
11/19/2004	13:00	25.5	0.05	7.18	205.0	5	108.0	30	60	30	70	85	230	1 to 3	0.6 min/0.6 hr	20.5	6.41	
	23:00	23.0		6.95	215.0	5	107.0							7				
11/20/2004	12:00	24.5	0.10	7.01	121.0	4	108.0	30	60	34	70	80	220	7	1 min/0.5 hr	19.7	6.09	
	13:17	24.2	0.08	7.19	216.0	5	107.0	30	60	33	70	80	225	3		22.0	6.42	
11/21/2004	1:00	23.1		6.94	205.0	5	107.0							4				
	8:10	24.1	0.09	7.17	129.0	14	107.0	30	60	32	70	80	210	3	36 sec/45 min	19.2	6.48	
11/22/2004	12:30	24.3	0.07	7.18	214.0	6	107.0	30	60	32	70	80	220	3	0.6 min/1 hr	20.7	6.64	
	2:30	22.8		7.02	140.0	10	106.0							4				
	Min	20.7	0.03	6.84	121.0	4.0	106.0	25.0	60.0	26.0	70.0	80.0	210.0	3.0		19.0	5.9	
	Max	25.5	0.10	7.30	232.0	14.0	109.0	30.0	60.0	34.0	73.0	85.0	230.0	7.0		24.1	6.6	
	Avg	23.9	0.06	7.06	181.0	6.3	107.5	29.2	60.0	30.8	70.6	82.5	222.8	4.5		21.0	6.2	

13Inf		Portable Meter Readings				
Date	Time	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
11/15/2004	2:30	21.8		6.81	25.9	
	8:00	24.9	0.18	6.88	19.9	32.0
	13:00	25.4	0.20	6.91	18.2	28.0
11/16/2004	1:30	21.8		6.73	33.1	25
	8:00	24.6	0.20	6.77	37.3	18
	13:50	25.3	0.18	6.93	20.1	23.0
11/17/2004	2:00	21.7		6.64	30.1	24.0
	8:00	24.4	0.16	6.72	35.0	22.0
	13:00	25.5	0.20	6.95	17.4	29
11/18/2004	1:00	21.9		6.88	32.2	23
	8:00	24.8	0.20	6.73	25.5	33.0
	13:00	25.5	0.20	6.90	18.0	31.0
	22:45	22.9		6.89	28.9	24.0
11/19/2004	8:00	24.1	0.20	6.73	40.6	16
	13:00	25.5	0.20	6.93	14.8	29
	23:15	22.7		6.74	35.5	22.0
11/20/2004	8:42	24.6	0.15	6.74	35.0	26.0
	13:27	24.5	0.18	6.98	14.2	29.0
11/21/2004	1:00	22.1		6.84	34.5	21
	8:25	24.1	0.23	6.93	36.7	35
	12:50	24.4	0.17	6.89	21.2	26.00
11/22/2004	2:30	23.1		7.10	35.4	24.0
Min		21.7	0.2	6.6	14.2	16.0
Max		25.5	0.2	7.1	40.6	35.0
Avg		23.9	0.2	6.8	27.7	25.7

		Instrument Readings-BIOFOR C			Portable Meter Readings-13BFCEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Column pressure (psi)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
11/15/2004	2:30	14.50	6.83	11.0	21.7		7.1	4.68	
	8:00	2.00	6.10	13.6	23.7	6.2	7.0	4.42	63.0
	13:00	3.00	5.86	6.5	26.0	6.3	7.2	11.40	56.0
11/16/2004	1:30	14.00	6.09	10.5	21.5		7.02	7.13	54.0
	8:00	2.00	6.20	13.8	23.9	5.7	6.96	6.93	57.0
	13:50	3.00	6.23	6.0	26.3	6.0	7.17	14.10	51.0
11/17/2004	2:00	15.00	5.93	11.0	20.9		6.97	7.28	54.0
	8:00		6.10	12.0	23.4	6.4	7.00	4.71	60.0
	13:00	3.00	6.87	7.0	25.4	6.4	7.29	18.80	50.0
11/18/2004	1:00	3.00	6.50	10.0	21.7		8.55	6.87	50.0
	8:00	2.00	5.80	11.4	23.3	6.6	7.05	5.97	61.0
	13:00	3.00	5.91	7.0	25.6	6.3	7.19	9.25	58.0
	22:45	3.00	5.65	9.5	22.9		6.88	28.90	49.0
11/19/2004	8:00	2.00	3.10	12.2	23.2	6.6	7.04	10.90	59.0
	13:00	3.00	6.19	7.0	25.3	6.1	7.1	11.50	52.0
	23:00	2.50	6.46	9.0	22.5		7.14	9.15	53.0
11/20/2004	8:45	3.00	no flow	13.0	24.0	6.1	6.74	4.82	60.0
	13:30	3.00	6.16	7.0	24.6	6.2	7.29	8.73	55
11/21/2004	1:00	3.00	no flow	8.0	22.7		7.10	10.30	55.0
	8:25	3.00	5.86	11.0	22.4	6.3	7.19	5.76	61.0
	12:52	3.00	6.40	7.5	23.4	6.2	7.25	11.70	56.0
11/22/2004	2:30	3.00	6.12	11.0	21.7		7.0	22.80	57.0
	Min	2.0	3.1	6.0	20.9	5.7	6.7	4.4	49.0
	Max	15.0	6.9	13.8	26.3	6.6	8.6	28.9	63.0
	Avg	4.4	6.0	9.8	23.5	6.2	7.1	10.3	55.8

BIOSTYR		Instrument Readings											
Date	Time	Process air flow (scfm)	Backwash air flow (scfm)	Backwash flow (gpm)	Effluent DO(mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)		Backwash tank level (in)	Time till next BW (min)	Max time between BW (min)	
								Before BW	After BW				
11/15/2004	9:00	2.00	3.0	98.90			208.9	64.1	15	49.5	1421	1440	
11/16/2004	9:00	2.00	3.0	98.70			205.4	57.8	12.8	49.5	1420.8	1440	
11/17/2004	9:00		3.0	101.00			100-200	70.2	12	37	1393	1440	
11/18/2004	9:00		3.0	99.80			100-200	69.5		38	1410	1440	
11/19/2004	9:15		3.0	100.60			126.9			49	1434	1440	
11/21/2004		could not backwash the system. Look at the note in the log sheet.											

unit initiated mini BW, tank level = 13"
unit initiated mini BW, tank level = 13.5"

unit initiated mini BW, tank level = 13"

WEEK 42

13Inf		Portable Meter Readings			
Date	Time	Temperature (oC)	pH	Turbidity (NTU)	UVT (%)
12/5/2004	11:15	22.4	6.74	25.0	26.0
12/6/2004	8:40	20.9	6.80	25.9	26.0
	13:00	23.4	6.99	27.4	20.0
12/7/2004	8:00	22.7	6.83	46.2	17
	13:10	21.1	6.99	30.5	48
12/8/2004	7:55	23.1	6.92	43.8	21.0
	13:00	23.2	6.98	29.9	18.0
12/9/2004	7:30	20.3	6.91	37.8	25.0
	13:30	23.8	6.92	26.8	22
12/10/2004	8:00	22.9	6.84	26.9	30
	12:15	23.6	6.93	20.3	29.0
12/11/2004	13:15	22.4	6.83	24.8	27.0
12/12/2004	8:15	22.8	6.70	24.8	29.0
	12:15	23.2	6.84	36.5	29
12/13/2004	8:00	23.3	6.83	34.4	33
	11:50	23.3	6.92	18.1	30.0
Min		20.3	6.7	18.1	17.0
Max		23.8	7.0	46.2	48.0
Avg		22.7	6.9	29.9	26.9

		Instrument Readings-BIOSTYR						Portable Meter Readings-13BSEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Effluent DO (mg/L)	Effluent pH	Inlet pressure (iwc)	Headloss (iwc)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
12/5/2004	11:15	2.0	7.5	2.3		216.7	9.3	20.7	5.6	6.84	23.8	45.00
12/6/2004	8:40	2.0	7.3			257	49					
	13:00	2.0	7.3			217.7	10.3	23.2	5.4	6.93	11.7	47.0
12/7/2004	8:00							21.2	4.9	6.8	9.3	48.0
	13:10	2.0	7.4			219.8	12.6	20.9	3.6	6.94	16.7	21.0
12/8/2004	7:55	2.0	7.4			288.0	80.0	20.5	5.0	6.8	10.90	53.0
	13:00							22.2	5.0	6.86	10.9	49.0
12/9/2004	7:30	2.0	7.4			276.0	68.9	19.9	4.8	6.89	5.4	58.0
	12:30	2.0	7.5	4.7		228.4	21.3	23.1	4.7	6.88	10.3	53.0
12/10/2004	8:00	1.5	7.3			250.0	42.0					
	12:15	4.0	7.5			227.9	20.1	23.6	5.8	6.98	10.4	57.0
12/11/2004	13:15	2.0	7.5	4.2		231.1	23.6	23.4	4.9	6.81	9.2	55.0
12/12/2004	8:15	2.0	7.4			293.6	69.6	21.8	4.4	6.98	11.2	58.0
	12:15	2.0	7.3	2.5		229.2	22.5	22.8	4.2	6.90	18.9	55.0
12/13/2004	8:00	2.0	6.4			238.0	31.0	21.9	3.2	6.79	16.4	51.0
Min		1.5	6.4	2.3	0.0	216.7	9.3	19.9	3.2	6.8	5.4	21.0
Max		4.0	7.5	4.7	0.0	293.6	80.0	23.6	5.8	7.0	23.8	58.0
Avg		2.1	7.3	3.4	#DIV/0!	244.1	35.4	21.9	4.7	6.9	12.7	50.0

		Instrument Readings-BIOFOR C			Portable Meter Readings-13BFCEff				
Date	Time	Process air flow (csfm)	Influent flow (gpm)	Column pressure (psi)	Temperature (oC)	DO (mg/L)	pH	Turbidity (NTU)	UVT (%)
12/5/2004	11:15	service valve replacement was in progress							
12/6/2004		3.00	6.30	10.0	20.4	7.4	7.0	4.20	65.0
	13:00	3.00	6.07	7.0	22.6	6.5	6.97	22.60	55.0
12/7/2004	8:00	3.00	6.25	9.3	21.4	7.2	6.96	5.56	64.0
	13:10	3.00	6.27	7.5	21.0	4.5	7.20	14.80	55.0
12/8/2004	7:55	3.00	6.20	9.3	21.2	7.1	21.20	5.29	66.0
	13:00				22.6	7.0	7.23	15.50	56.0
12/9/2004	7:30	3.00	6.20	9.5	19.8	7.1	7.05	4.30	68.0
	12:30	3.00	6.58	7.0	22.8	7.0	7.05	17.40	58.0
12/10/2004	8:00	3.00	6.30	9.3	22.3	6.8	6.94	6.74	66.0
	12:15	3.00	6.34	7.0	22.8	6.0	6.77	9.59	62.0
12/11/2004	13:15	3.00	6.48	7.0	23.7	6.4	6.94	6.36	61.0
12/12/2004	8:15	3.00	6.21	9.0	22.4	5.3	6.89	3.14	63.0
	12:15	3.00	6.63	7.5	22.6	6.1	6.93	26.10	55.0
12/13/2004	8:00	3.00	6.25	9.2	22.5	5.8	6.8	3.25	
	11:50	3.00	6.58	8.0	21.9	6.7	6.96	18.30	61.0
Min		3.0	6.1	7.0	19.8	4.5	6.8	3.1	55.0
Max		3.0	6.6	10.0	23.7	7.4	21.2	26.1	68.0
Avg		3.0	6.3	8.3	22.0	6.5	7.9	10.9	61.1

Imhoff Cone Testing

Week	Date	Biostyr				Biofor C				Date	Combined BW			
		Time	Minutes	Volume (mL)	SVI	Time	Minutes	Volume (mL)	SVI		Time	Minutes	Volume (mL)	SVI
	10/7/2004	9:36	15	80		11:00	15	1.5		10/7/2004	11:00	15	1.5	
			30	64			30	3				30	3	
	10/16/2004	9:30	15	34		11:00	15	27		10/14/2004	10:55	15	29	
			30	27			30	26				30	23	
	10/19/2004	9:35	15	50		11:00	15	60		10/18/2004	11:10	15	90	
			30	38			30	48				30	65	
	10/22/2004	9:31	15	65		11:00	15	50		10/20/2004	11:30	15	58	
			30	50			30	40				30	45	
	10/24/2004	9:30	15	60		11:45	15	110		10/20/2004	11:10	15	90	
			30	40			30	82				30	75	
	10/26/2004	9:35	15	56		11:10	15	150		10/25/2004	11:10	15	72	
			30	42			30	120				30	58	
	11/3/2004	9:35	15	45		10:55	15	98		10/27/2004	11:00	15	76	
			30	40			30	80				30	60	
	11/9/2004	9:35	15	98		11:01	15	86		11/4/2004	11:00	15	60	
			30	76			30	68				30	48	
	11/13/2004	9:30	15	60		11:00	15	58		11/16/2004	11:30	15	54	
			30	48			30	46				30	40	
	11/15/2004	9:40	15	72		11:00	15	62		11/18/2004	10:45	15	58	
			30	54			30	48				30	46	
	11/17/2004	9:30	15	48		10:50	15	80				15		
			30	40			30	60				30		
	12/7/2004	9:30	15	40		11:30	15	66						
			30	32			30	50						
	12/9/2004	9:30	15	22		11:05	15	64						
			30	15			30	52						
	12/13/2004	9:17	15	22		10:40	15	50						
			30	17			30	36						