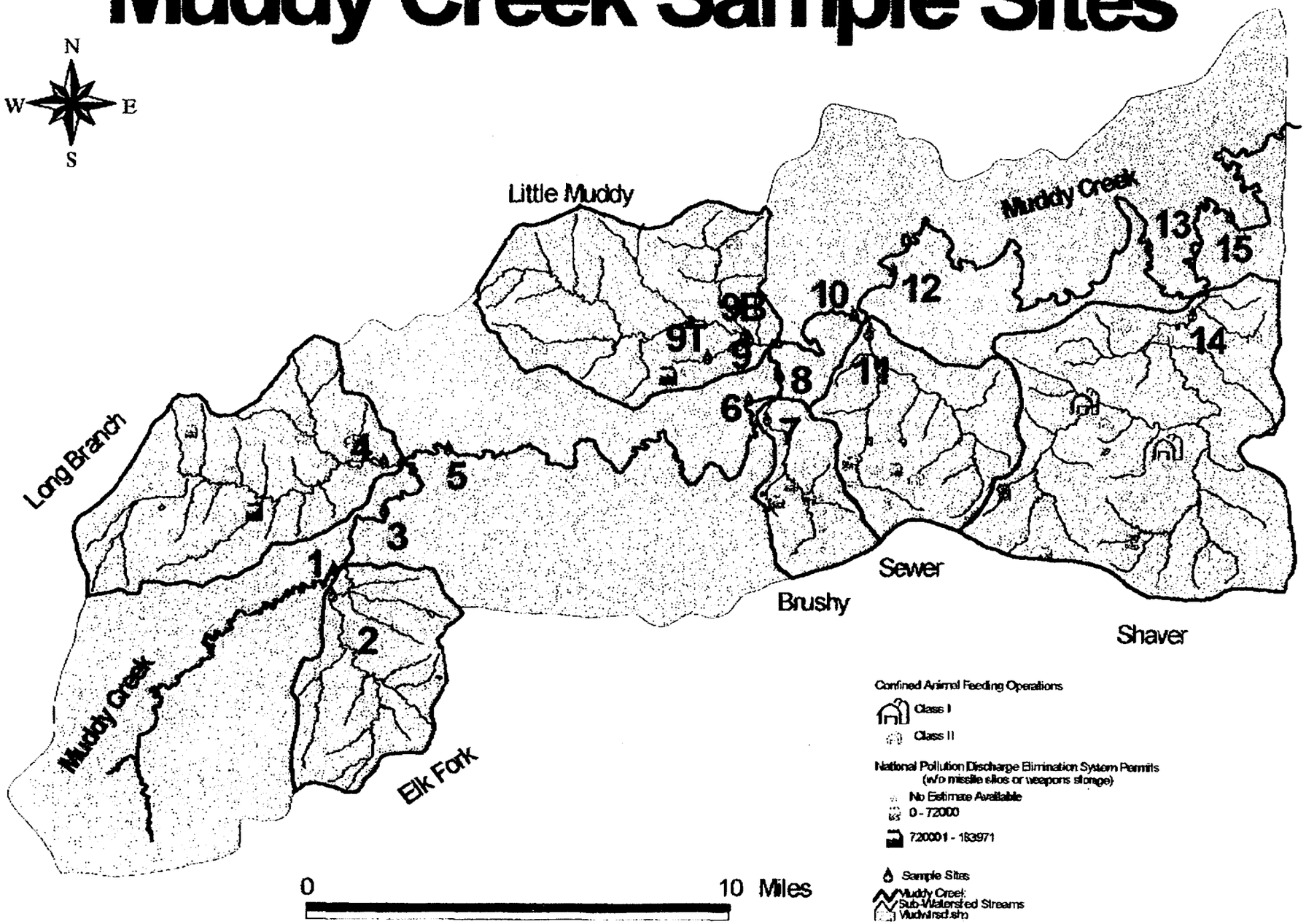
Muddy Creek Sample Sites



L. Muddy Tysons Branch

CHLORIDE

DATE	wknd	SITE1	SITE2	SITE3	SITE4	SITE5	SITE6	SITE7	SITE8	**SITE9**	SITE9B	**SITE9T**	SITE10	SITE11	SITE12	SITE13	SITE14	SITE15	UNITS
4/21/97	NO	27	19.9	17	26.7	19.1	21	37.1	22.4	49.7			25.5	30.1	22.9	32	21.3	31.3	mg/L Cl-
4/28/97	NO	43.75	55.5	42	46.5	50	39.5	148	51.75	150.75			55.5	55.5	50	46	32	47.75	mg/L Cl-
5/6/97	NO	40	42.5	52.5	51.5	52.75	55.75	115.25	54.25	**184.75**			69.75	72.25	63.75	76.25	42.25	60	mg/L Cl-
5/15/97	NO	27.5	32.5	35.5	33.75	28.75	46	163	223	126			110	95	101	85	76	119	mg/L Cl-
5/20/97	NO	71	75	80	49	51	58	75	60	114	54	211	63	49	61	71	55	64	mg/L Cl-
5/25/97	YES	14.1	9.6	13.1	17.3	14.3	14.3	24.5	17.1	72.5	17.8	102.5	23.5	23.2	19.3	11.9	10.6	10.6	mg/L Cl-
5/28/97	NO	15.5	13.8	18	17.8	16.8	22.3	22.5			117.5	70	10	12.5	10	32.5	13.5	30	mg/L Cl-
5/31/97	YES	0.8	21.5	7.4	10.3	6.5	5.2	12	7.2	9.1	8.45	9.3	24.5	5.6	5.3	7.6	6.1	4	mg/L Cl-
6/5/97	NO	6	4.8	5.6	10.3	6.8	7.4	59.6	11.4	78.8	9.45	78.8	14	13.1	13.8	11.4	7.7	10.4	mg/L Cl-
6/8/97	YES	70	30	47.5	50	60	50	82.5	55	170	55	210	80	75	75	70	70	65	mg/L Cl-
6/11/97	NO	26.3	8.8	5.3	8.8	7	7	44.6	14	52.5	8.8	89.3	17.5	28	17.5	14	1.8	21	mg/L Cl-
6/16/97	NO		21	36.8	24.5	17.5	26.3	23.6	33.3	36.8	21	59.5	35	28	52.5	19.3	19.3	40.3	mg/L Cl-
6/21/97	YES																		mg/L Cl-
6/26/97	NO	11.3	11.3	11.3	15.8	11.3	15.8	40.5	18	103.5	15.8	112.5	29.3	29.3	36	22.5	15.8	18	mg/L Cl-
7/1/97	NO	6.8	4.5	2.3	9	2.3	2.3	60.8	6.8	72	4.5	103.5	15.8	15.8	9	4.5	9	2.3	mg/L Cl-
7/9/97	NO	4.2	4.6	4.6	9	5.3	6.7	204.8	16.8	94.5	9.7	115.5	17.2	21	10.7	9.7	6.3	6.5	mg/L Cl-
7/17/97	NO	3.5	2.7	3.6	6.9	5.7	6.8	67.5	21.8	78.8	5.7	82.5	21.8	30	18.8	6.6	6.3	5.9	mg/L Cl-
7/27/97	YES	5	5.8	4.1	7.7	4.9	4.9	93.8	51.3	125	9	131.3	60	57.5	52.5	15	9.5	10.8	mg/L Cl-
7/31/97	NO	7.6	11.6	8.9	14.6	10	10	168.8	48.3	**236.3**	12.2	**229.5**	51.3	40	45.4	22.7	13.8	16.5	mg/L Cl-
8/5/97	NO	3.8		4.8		5.3	5.9	32.3	29.1	76		77	35.3	25.5	31.2	22.8		10.8	mg/L Cl-
8/11/97	NO	4.4		5.5		6.7	6.9		29.7				42.3		40.5	26.2		17.3	mg/L Cl-
8/15/97	YES		6.3	5.7	11	7.4	7.2	11.2	7.6	8.6	8.2	40.3	8	13.3	8.2	20.7	8.6	21.3	mg/L Cl-
8/24/97	YES	5.3	4.8	5.1	7.4	5.7	6.2	48.8	13.8	78.8	5.3	82.5	14.3	15.6	13.5	9.5	5.7	7.2	mg/L Cl-
9/3/97	NO	5.5		6		7.4	6.2	40.3	14	120.8			27.1	16.3	33.1	11	3.2	4.8	mg/L Cl-
9/8/97	NO			4.4		5	5.6	32.7	25.4	78.8			19.7		17	18		10.7	mg/L Cl-
9/17/97	NO	3.9	6	4.6		5.8	5.8	11.4	11.6	62.9		64.6	31.8	10.7	30.3	19.2	7.8	21.3	mg/L Cl-
9/21/97	YES	3.2		4.1		4.1	5.2	20.9	17.6	56.7			16.9	24.2	11.1	20.2		12.2	mg/L Cl-
10/14/97	NO	5.4	6.2	5.9	8.9	6.5	7.7	33.8	7.5	60	10.4	101.3	8	17.4	8.1	6.6		8.3	mg/L Cl-
10/21/97	NO	5.4		5.4	9.2	6.3	6.8	57.8	24.5	73.1		71.4	23.8	24.5	21.4	10		9	mg/L Cl-
10/30/97	NO																		mg/L Cl-
11/3/97	NO																		mg/L Cl-
11/10/97	NO																		mg/L Cl-
11/12/97	NO	8.17		7.6	9.5	8.74	10.26	49.4	21.09	75.05	9.5	78.85	32.3	28.69	32.11	14.63		11.59	mg/L Cl-
11/19/97	NO	3.63		3.85		4.95	5.72	27.5	14.41	52.25		55	19.14	15.95	17.49	13.31		9.24	mg/L Cl-
11/20/97	NO																		mg/L Cl-
11/24/97	NO		6.3	6.84	7.56	8.64	9.36	51.3	27.9	90	7.92	94.5	34.74	25.2	30.96	24.84	8.1	18.72	mg/L Cl-
12/2/97	NO	21.28	21	20.72	24.36	22.96	25.2	50.4	23.52	79.8	33.32	123.2	27.44	26.32	26.6	26.32	19.32	28	mg/L Cl-
12/4/97	NO	12.78	11.52	12.6	16.74	14.04	14.4	22.5	16.38	40.5	23.04	91.8	19.08	17.1	18.36	16.74	11.34	14.94	mg/L Cl-
12/11/97	NO	3.36		3.71	4.55	4.55	5.88	14.84	7.14	18.55	5.74	36.05	9.24	14.35	12.95	6.09		4.48	
12/12/97	NO	6.11		5.98	12.09	8.06	8.97	28.73	10.27	31.85	12.87	61.1	14.56	17.29	15.21	14.43	6.89	10.01	mg/L Cl-

12/15/97	NO	9.69	8.36	8.55	15.77	11.59	14.82	34.01	31.16	59.85	19.57	82.65	23.37	20.52	22.8	20.33	10.83	22.23	mg/L Cl-
12/22/97	NO	7.14	5.32	4.69	6.44	5.32	6.51	8.54	5.39	6.65	8.54	24.15	5.46	7.35	6.16	6.16	4.76	5.18	mg/L Cl-
12/30/97	NO	1.68	1.72	1.72	2.68	2.28	2.36	30.4	6.4	7.8	5.64	15.2	4.84	7.52	3.84	2.6	1.84	2.24	mg/L Cl-
12/31/97	NO	7.38	7.2	7.56	12.96	10.26	11.52	71.1	18.72	28.8	15.3	80.1	25.2	28.62	27.72	14.4	9.72	12.42	mg/L Cl-
1/8/98	NO																		mg/L Cl-
1/9/98	NO	5.98	6.63	6.11	7.28	7.02	8.19	18.85	8.97	10.4	8.97	44.2	8.84	11.57	9.23	12.48	8.19	9.36	mg/L Cl-
1/20/98	NO																		mg/L Cl-
1/22/98	NO	5.39	4.95	5.17	9.24	6.27	9.57	49.5	12.87	44.55	12.21	52.8	14.3	12.21	13.31	13.2	6.71	13.64	mg/L Cl-
1/26/98	NO	15.39	9.5		16.53	24.51	21.47	92.15	37.05	72.2	28.88	79.8	31.54	22.99	22.99	31.35		26.03	mg/L Cl-
1/30/98	NO																		mg/L Cl-
2/2/98	NO	5.51	5.7	6.08	10.64	7.03	9.5	142.5	18.43	53.2	11.4	61.75	18.43	16.15	19.76	16.72	8.93	14.82	mg/L Cl-
2/3/98	NO																		mg/L Cl-
2/9/98	NO	6	10.32	2.34	8.64	7.02	3.18	26.7	7.5	25.5	7.62	24.6	7.14	9.72	6.6	6.78		6.72	mg/L Cl-
2/18/98	NO	14.4	8.4	9.15	9.75	10.05	11.55	24	10.2	13.5	12.9	48.75	12.15	18.6	12	12.3	12.15	14.4	mg/L Cl-
2/20/98	NO																		mg/L Cl-
2/25/98	NO	8.6	7.6	8.6	14.8	11.8	12.6	43	17	58	12.8	94	20	15.8	18	15.4	9.2	13.4	mg/L Cl-
2/26/98	NO																		mg/L Cl-
3/2/98	NO	6.46	5.89	7.03	12.16	8.74	10.26	38	14.25	68.4	10.64	90.25	19	23.18	17.1	14.82	9.88		mg/L Cl-
3/12/98	NO	7.36	6.56		12.96		10.72	48	14.88	34.4	11.2	66.4	15.04	26.24	15.04	13.12	8.8		mg/L Cl-
3/19/98	NO	4.07	4.29		6.93	5.28	5.72	10.45	5.61	10.45	5.5	26.95	6.05	7.48	5.94	6.6	3.85		mg/L Cl-
3/20/98	NO																		mg/L Cl-
3/24/98	NO																		mg/L Cl-
3/26/98	NO	5.78	5.27	5.78	11.73	8.67	9.01	25.5	11.05	36.55	9.52	74.8	11.9	16.66	11.9	10.2	7.65	10.88	mg/L Cl-
3/30/98	NO	8.84	7.65	9.18	7.82	11.05	12.58	27.2	8.5	29.75	13.26	66.3	15.13	4.59	14.79	12.41	8.67	7.14	mg/L Cl-
4/3/98	NO																		mg/L Cl-
4/8/98	NO																		mg/L Cl-
4/10/98	NO	0.32		0.64	2.24	1.44	1.28	17.6	1.44	24.8	1.6	36	0.21	2.4	1.76	1.6		1.6	mg/L Cl-
4/15/98	NO	12.96	16.8	12.16	13.44	8.96	8.8	15.2	11.84	19.2	14.72	20	9.12	11.84	10.56	9.6	16.16	10.72	mg/L Cl-
4/17/98	NO																		mg/L Cl-
MDC-AVG		12.36	13.326	12.061	15.277	12.489	13.44	51.93115	24.1379	65.9353	16.4746	79.3667	25.5674	24.2488	24.00057	19.9732	14.9888	19.0802	

CHLORIDE

DATE	UNITS	SITE1	SITE2	SITE3	SITE4	SITE5	SITE6	SITE7	SITE8	SITE9	SITE9B	SITE9T	SITE10	SITE11	SITE12	SITE13	SITE14	SITE15
4/21/97	mg/L	5	5.38	5	13.5	5.56	8.47	22.3	10.2	32			10.7	15.9	9.27	21.4	7.5	16.2
5/20/97	mg/L	11.9	1	11.5	16.7	12.4	11	32.6	10.9	54.2	21.8	147	18.4	23.1	18.4	28.4	15.3	21.5
6/26/97	mg/L	7.63	6.82	8.14	11.7	9.37	11.2	20.8	14.2	132	11.7	145	28.6	30.3	40.8	20	11.1	14.2
7/27/97	mg/L	5	8.41	5.01	11.9	7.11	6.27	97	68.3	143	8.92	145	75.9	74.2	69.5	21.3	11.9	13.9
8/24/97	mg/L	4.9	5.69	4.88	8.59	6.37	11	70.6	25.6	128	5.46	149	28.1	37.7	22.9	13	9.43	9.82
9/17/97	mg/L	5.17	6.02	5.81	9.23		7.84	17.6	18.3	132		133	96	17.6	68.9	40	8.61	43.5
10/30/97	mg/L	7.81	6.59	7.53	10.3	8.64	9.33	79.1	15.2	124	10	150	12.2	33.9	14.2	9.92	11.9	9.72
11/24/97	mg/L	9.85	9.47	10.2	11.7	14	16.2	103	69.5	148	12.8	148	100	69.2	84.3	63.4	15.3	43

12/15/97 mg/L	11.1		10.5	20.2	15.7	22.6	84.7	31.5	107	27.1	168	38.4	41.7	38.7	36.1	18.1	39.9
1/20/98 mg/L	10.8		9.29	18.5	11.4	14.8	117	31.1	111	67.1	156	49.3	41.7	41.7	55.6	13.5	37.5
2/18/98 mg/L	6.63	7.18	6.67	8.46	7.52	9.06	36.9	10.3	12	9.35	99.6	10.3	42.5	11.5	13.9	10.6	17.6
3/24/98 mg/L	7.15	7.4	6.52	15.5	9.04	10.7	43.4	14.2	54.4	11.8	162	16.6	20.4	17	13.1	13.9	12.6
4/15/98 mg/L	7.03	7.35	7.84	12.1	10.9	11.6	14.4	13.4	15.5	15.5	57.7	13.4	19.3	11.8	14.9	13.1	11.6
DNR-AVG	7.69	6.48273	7.60692	12.9523	9.83417	11.5439	56.8769	25.5923	91.7769	18.32091	138.358	38.3	35.9615	34.5362	27.00154	12.3262	22.3877

L. Muddy Tyson

L. Muddy Tyson's Branch

TOTAL PO4

DATE	wknd	SITE1	SITE2	SITE3	SITE4	SITE5	SITE6	SITE7	SITE8	SITE9	SITE9B	SITE9T	SITE10	SITE11	SITE12	SITE13	SITE14	SITE15	UNITS
4/21/97	NO	0.56	1.62	1.52	2.28	1.06	0.6	0.64	0.63	2.75			0.73	7.73	0.83	1.93	0.75	1.28	mg/L PO4
4/28/97	NO	0.57	0.28	0.41	0.66	0.38	0.59	2.75	0.91	2.75			2.51	1.38	2.33	1.35	0.1	0.86	mg/L PO4
5/6/97	NO	0.22	0.74	0.2	0.23	0.2	0.45	6.53	1.02	33.35			3.55	3.8	2.53	2.26	0.12	1.84	mg/L PO4
5/15/97	NO	0.3	0.18	0.32	0.3	0.36	0.3	11.7	3.9	38.4	1	3.92	7.3	4.4	5.9	0.76	0.01	0.43	mg/L PO4
5/20/97	NO	0.59	0.51	0.62	1.33	0.81	0.38	5.25	0.4	21.25	0.97	60.5	1.05	2.2	1	4.75	0.33	1.91	mg/L PO4
5/25/97	YES	0.36	0.26	0.36	0.6	0.4	0.38	9	1.98	53.25	0.4	57	7	4.25	2.75	0.98	0.16	0.68	mg/L PO4
5/28/97	NO		0.53	0.56	0.87	0.52	0.74	3.75			2.04	23	0.5	0.75	6	1	0.49	0.99	mg/L PO4
5/31/97	YES	0.53	0.67	0.58	0.89	0.59	0.9	2.5	2.25	6.75	1.25	40	3.25	3	2.25	2.75	1.5	2.25	mg/L PO4
6/5/97	NO	0.35	0.23	0.32	0.54	0.37	0.44	9.5	2.75	32.5	1.25	44	3.5	2.75	3.75	2.13	0.25	1.25	mg/L PO4
6/8/97	YES	2.1	1.4	2.3	3.1	2.3	2.7	22.1	5.7	38	2	55	6	3.5	5.6	3.7	1.5	3.5	mg/L PO4
6/11/97	NO	0.25	0.28	0.21	0.32	0.3	0.32	14	3.25	38.5	0.88	39	6	2.75	4	2	2.25	2.75	mg/L PO4
6/16/97	NO	0.92	1.18	0.97	2.2	1.68	0.9	3.03	0.55	5.23	1.1	15.4	6.05	2.75	3.3	0.83	0.83	1.65	mg/L PO4
6/21/97	YES	0.33	0.22	0.29	0.8	0.36	0.4	13.49	2.48	43.56	0.74	52.47	3.96	7.18	2.73	1.24	0.49	1.49	mg/L PO4
6/26/97	NO	0.19	0.6	0.23	0.48	0.15	0.17	3.8	0.83	30.69	0.17	26.9	3.3	3.47	5.28	1.49	0.33	0.83	mg/L PO4
7/1/97	NO	0.33	0.42	0.37	1.06	0.49	0.56	9.79	1.8	37.34	1.29	47.9	2.32	3.09	1.03	1.8	0.26	1.55	mg/L PO4
7/9/97	NO	0.12	0.13	0.2	0.46	0.24	0.25	8.71	2.01	29.15	1.17	37.86	3.02	2.35	1.88	1.47	0.09	0.98	mg/L PO4
7/17/97	NO	0.19	0.12	0.25	0.79	0.31	0.28	13.07	3.35	37.19	0.47	37.86	6.7	3.11	3.15	0.88	0.13	0.71	mg/L PO4
7/27/97	YES	0.15	0.04	0.17	0.52	0.14	0.234	10.88	6.08	49.6	0.17	43.52	10.56	4.16	3.44	0.88	0.14	0.44	mg/L PO4
7/31/97	NO	0.09	0.09	0.14	0.39	0.11	0.19	30.38	8.78	45.23	0.18	43.54	10.46	5.4	9.45	0.78	0.24	0.58	mg/L PO4
8/5/97	NO	0.19		0.14		0.13	0.13	9.64	12.64	41.23		42.56	11.97	6.32	8.31	1.09		0.4	mg/L PO4
8/11/97	NO	0.2		0.32		0.34	0.34		10.6				24.7		13.6	1.62		0.54	mg/L PO4
8/15/97	YES	0.37	1.11	0.22	0.65	0.61	0.47	1.66	0.52	0.98	0.9	37.4	0.36	3.17	1.01	3.05	1.26	1.6	mg/L PO4
8/24/97	YES	0.38	0.36	0.46	0.7	0.38	0.47	7.46	2.34	38.7	0.68	47.57	4.83	2.63	3.12	1.09	0.4	0.74	mg/L PO4
9/3/97	NO	0.1		0.12		0.18	0.29	3.33	1.41	41.6			3.9	2.3	10.18	0.77	0.15	0.38	mg/L PO4
9/8/97	NO			0.12		0.12	0.15	7.91	3.82	40.2			10.72		5.96	2.67		0.66	mg/L PO4
9/17/97	NO	0.1	0.27	0.14		0.1	0.09	1.91	2.22	39.05		40.64	15.43	1.46	10.54	2.39	1.1	1.74	mg/L PO4
9/21/97	YES	0.11		0.16		0.34	0.2	7.09	3.71	39.49			10.33	15.59	4.19	3.17		1.69	mg/L PO4
10/14/97	NO																		mg/L PO4
10/21/97	NO	0.22		0.23	0.47	0.25	0.28	7.11	2.55	30.38		23.77	9.46	4.56	5.29	1.02		0.76	mg/L PO4
10/30/97	NO																		mg/L PO4
11/3/97	NO	0.61		0.55	0.86	0.63	0.64	7.38	4.32	111.75	1.01	141.55	9.76	5.14	5.14	1.1	0.43	0.97	mg/L PO4
11/10/97	NO	0.52		0.55	0.67	0.52	0.59	12.77	5.85	54.72	0.81	58.52	18.85	7.22	15.73	1.43		1.03	mg/L PO4
11/12/97	NO	0.39		0.43	0.5	0.4	0.45	8.94	3.75	47.81	0.63	49.69	14.56	15.19	14.31	1.48		0.86	mg/L PO4
11/19/97	NO	0.48		0.4		0.38	0.42	8.71	5.74	48.84		53.46	17.03	13.4	14.65	6.73		2.57	mg/L PO4
11/20/97	NO	0.43		0.38		0.38	0.42	11.56	5.54	48.59		47.36	15.31	13.47	13.47	6.92		2.66	mg/L PO4
11/24/97	NO	0.56	0.31	0.41	0.53	0.4	0.52	9.58	7.05	48.55	0.69	50.87	17.36	10.04	15.36	8.13	0.15	3.51	mg/L PO4
12/2/97	NO	0.58	0.81	0.6	0.84	0.67	0.74	3.49	0.82	26.72	1.78	56.51	1.71	1.71	1.51	1.08	0.51	1.04	mg/L PO4
12/4/97	NO	0.46	0.51	0.51	0.78	0.6	0.55	3.69	0.74	16.42	1.22	59.3	2.28	1.74	2.55	1.46	0.35	1.1	mg/L PO4
12/11/97	NO	0.27		0.31	0.47	0.36	0.4	6.37	0.94	19.77	0.92	49.92	4.96	5.83	4.76	1.51		1.17	
12/12/97	NO	0.27		0.23	0.48	0.32	0.34	6.22	0.89	17.46	0.79	46.99	2.86	2.22	3.11	2.25	0.17	1.73	mg/L PO4

12/15/97	NO	0.18	0.18	0.31	0.49	0.24	0.35	4.44	0.86	22.95	0.6	33.66	3.01	1.38	2.86	1.94	0.1	2.09 mg/L PO4
12/22/97	NO	0.63	0.65	0.79	1.03	0.57	0.65	1.53	0.55	2.36	1.11	32.45	1.24	1.06	1.59	2.25	0.37	0.98 mg/L PO4
12/30/97	NO	0.29	0.23	0.28	0.54	0.33	0.36	2.01	0.63	11.79	0.76	62.12	2.88	0.63	1.78	1.09	0.12	0.81 mg/L PO4
12/31/97	NO	0.38	0.33	0.36	0.74	0.52	0.48	6.14	0.78	9.08	0.99	64.01	2.85	0.61	3.63	1.82	0.24	1.37 mg/L PO4
1/8/98	NO	0.45	0.62	0.45	0.98	0.67	0.59	1.1	0.85	1.22	1.01	22.27	1.22	0.85	1.22	0.81	0.55	0.7 mg/L PO4
1/9/98	NO	0.59	0.67	0.62	0.93	0.67	0.77	2.14	1.45	3.78	1.05	24.57	1.45	4.16	1.32	0.82	0.45	0.77 mg/L PO4
1/20/98	NO	0.16		0.16	2.03	0.49	0.25	5.88	1.69	30.94	0.46	45.94	4.88	1.06	4.31	2.65	0.1	2.28 mg/L PO4
1/22/98	NO	0.13	0.15	0.18	1.04	0.42	0.28	14.59	3.07	31.68	0.44	45.12	5.89	1.6	4.48	2.88	0.1	2.53 mg/L PO4
1/26/98	NO	0.08	0.16		0.39	0.19	0.23	10.24	1.46	37.24	0.39	41.23	6.38	2.13	5.72	3.09		2.34 mg/L PO4
1/30/98	NO	0.14	0.08	0.07	0.23	0.09	0.28	13.97	3.63	26.4	0.29	35.2	6.16	2.15	5.12	2.75		2.45 mg/L PO4
2/2/98	NO	0.06	0.09	0.07	0.23	0.1	0.21	5.9	1.48	30.44	0.27	38.75	6.7	3.26	6.83	3.03	0.01	2.61 mg/L PO4
2/3/98	NO	0.07		0.1	0.29	0.17	0.26	8.93	1.66	33.12	0.3	46.44	6.7	2.45	6.77	3.61		3.04 mg/L PO4
2/9/98	NO	0.07	0	0.14	0.18	0.09	0.12	13.69	5.31	36.35	0.2	45.52	10.09	6.55	7.6	3.43		3.24 mg/L PO4
2/18/98	NO	0.71	0.85	0.74	0.9	0.83	0.99	4.37	1.3	1.48	0.94	25.08	1.36	2.42	1.3	0.98	0.65	1.94 mg/L PO4
2/20/98	NO	0.46	0.59		0.73	0.59	0.52	6.28	1.1	10.7	0.7	45.2	1.73	3.59	1.52	0.94	0.29	0.92 mg/L PO4
2/25/98	NO	0.37	0.35	0.42	0.64	0.73	0.54	15.25	1.45	37.64	0.62	77.68	4.34	1.64	3.47	2.47	0.21	1.72 mg/L PO4
2/26/98	NO	0.22	0.23	0.28	0.46	0.41	0.41	8.41	1.23	30.81	0.44	50.75	3.92	6.09	2.97	1.81	0.13	1.33 mg/L PO4
3/2/98	NO	0.1	0.08	0.12	0.2	0	0.2	12.33	0.74	23	0.19	35.88	3.31	2.12	2.44	1.71	0.06	1.07 mg/L PO4
3/12/98	NO	2.23	3.37		2.97		2.03	23.02	3.22	56.93	2.72	173.25	5.2	9.9	4.7	3.81	1.09	mg/L PO4
3/19/98	NO	0.53	0.75		1.2	0.74	0.75	3.96	0.97	4.17	0.89	36.14	1.25	1.11	1.25	0.93	0.46	mg/L PO4
3/20/98	NO	0.83	0.86	0.82	1.02	1.03	1.11	2.06	1.27	2.72	0.98	14.82	1.39	0.67	1.51	1.1	0.88	1.15 mg/L PO4
3/24/98	NO	0.5	0.55	0.45	0.73	0.59	0.54	3.98	0.81	11.14	0.55	37.46	1.35	0.61	1.08	0.92	0.23	0.77 mg/L PO4
3/26/98	NO	0.33	0.31	0.37	0.54	0.39	0.34	7.69	1.23	11.38	0.41	34.13	2.09	3.32	2.03	0.95	0.23	0.7 mg/L PO4
3/30/98	NO	0.59	0.53	0.67	0.85	0.64	0.71	6.72	1.12	16.1	0.7	41.65	2.03	0.7	1.4	0.94	0.46	0.8 mg/L PO4
4/3/98	NO	0.72	0.77		0.98	0.93	0.67	2.19	0.96	10.5	0.86	39.38	1.66	1.84	1.58	1.58	0.88	1.54 mg/L PO4
4/8/98	NO	0.2	0.2	0.21	0.4	0.26	0.27	10.35	1.74	10.85	0.3	37.51	2.29	2.54	1.98	1.18	0.26	0.56 mg/L PO4
4/10/98	NO	0.31		0.29	0.5	0.34	0.25	9.26	2.24	19.66	0.44	36.6	3.09	3.21	2.3	1.4		0.97 mg/L PO4
4/15/98	NO	1.23	2.1	1.49	2.38	1.68	1.02	5.48	2.08	4.25	2.34	23.15	2.08	2.27	2.84	2.93	3.42	3.06 mg/L PO4
4/17/98	NO	0.58	0.62		0.89	0.73	0.72	6.22	1.18	9.83	0.83	31.77	1.64	3.67	1.27	0.96		0.83 mg/L PO4
MDC-AVG		0.4235	0.5527	0.42122	0.83492	0.4897	0.51004	7.9366	2.57852	27.63481	0.84164	45.1952	5.70628	3.90155	4.58001	2.04056	0.50559	1.44138

Long Branch

L. Muddy

Tyson

Sewer

Total PO4

PHOSPHORUS

DATE	UNITS	SITE1	SITE2	SITE3	SITE4	SITE5	SITE6	SITE7	SITE8	SITE9	SITE9B	SITE9T	SITE10	SITE11	SITE12	SITE13	SITE14	SITE15
4/21/97	mg/L	0.51	0.76	0.54	0.88	0.56	0.38	0.74	0.37	2.11			0.41	0.7	0.4	0.86	0.29	0.53
6/26/97	mg/L	0.083	0.272	0.108	0.21	0.106	0.079	1.59	0.469	13.9	0.114	15.9	1.53	1.53	2.78	0.535	0.064	0.27
7/27/97	mg/L	0.04	0.04	0.06	0.26	0.05	0.09	4.19	2.2	15.3	0.07	16	4.14	2.06	3.26	0.38	0.07	0.2
8/24/97	mg/L	0.16	0.11	0.14	0.27	0.18	0.21	3.88	0.88	16.5	0.29	18.2	1.9	1.09	1.35	0.5	0.16	0.36
9/17/97	mg/L	0.05	0.27	0.06	0.56		0.05	1.23	1.11	18.9		19.2	9	0.72	5.58	1.13	0.15	0.84
5/20/97	mg/L	0.27	0.26	0.27	0.44	0.31	0.1	1.49	0.21	5.32	0.26	17.6	0.35	0.7	0.41	1.62	0.1	0.71
10/30/97	mg/L	0.24	0.23	0.25	0.3	0.27	0.3	2.01	0.48	19.3	0.42	25.3	0.44	1.24	0.53	0.39	0.18	0.37
11/24/97	mg/L	0.24	0.18	0.18	0.22	0.17	0.25	4.92	3.84	21.5	0.31	22.2	11.2	5.12	8.51	5.36	0.06	3.09

12/15/97 mg/L	0.12		0.11	0.23	0.14	0.14	3.01	0.48	13	0.32	22.1	1.89	0.73	1.5	1.17	0.09	1.28
1/20/98 mg/L	0.07		0.07	1.02	0.24	0.11	3.76	0.78	15.7	0.22	24.7	3.43	0.54	2.15	1.67	0.03	1.14
2/18/98 mg/L	0.44	0.47	0.44	0.51	0.49	0.52	2.64	0.56	1	0.59	12.8	0.61	1.27	0.63	0.57	0.36	1.09
3/24/98 mg/L	0.19	0.21	0.18	0.31	0.2	0.2	1.81	0.39	5.3	0.25	17.2	0.62	0.27	0.52	0.11	0.4	0.34
4/15/98 mg/L	0.34	0.68	0.37	0.69	0.44	0.33	1.59	0.39	0.64	0.64	6.58	0.58	0.56	0.84	0.89	0.94	0.91
DNR-AVG	0.2118	0.3166	0.21369	0.45385	0.263	0.2122	2.5277	0.9353	11.421	0.31673	18.1483	2.77692	1.27154	2.18923	1.16808	0.22262	0.85615
				Long				L. Muddy			Tyson		Sewer				

Tyson Branch

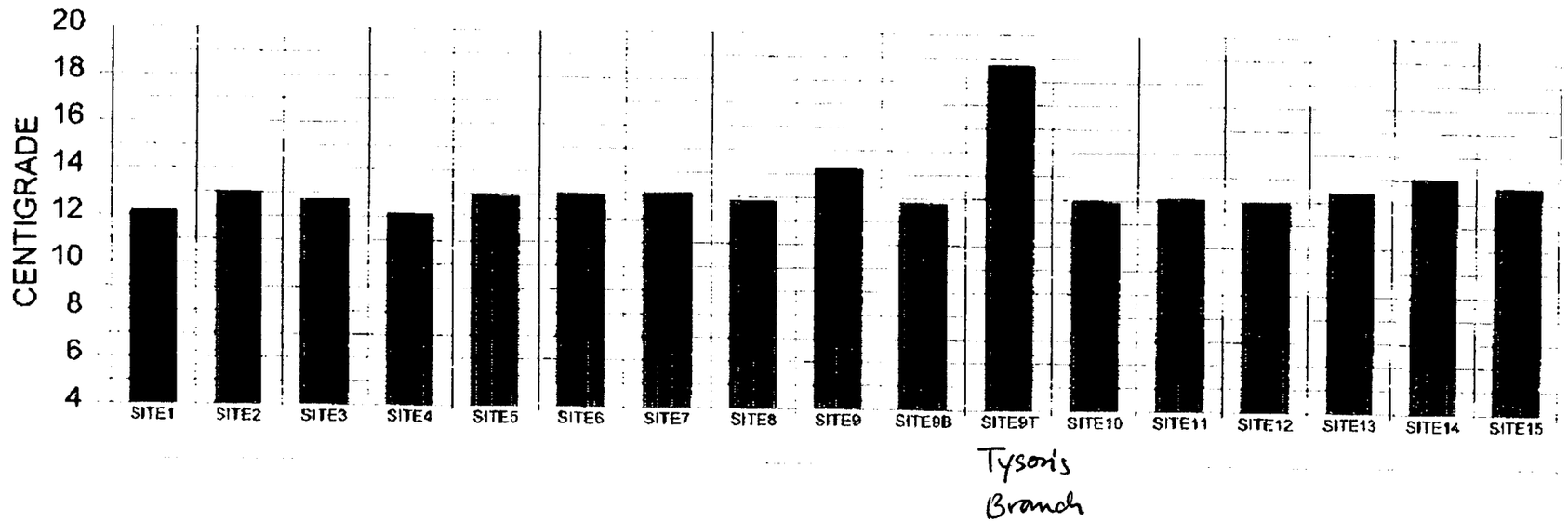
TEMPERATURE

	wknd	SITE1	SITE2	SITE3	SITE4	SITE5	SITE6	SITE7	SITE8	SITE9	SITE9B	SITE9T	SITE10	SITE11	SITE12	SITE13	SITE14	SITE15	UNITS
4/21/97	NO	11.8	12.6	10.2	13	13	14	14	14	13			14	14	14	15	15	15	C
4/28/97	NO	14	15	13	13	13	15	14	15	15			15	13	15	17	16	17	C
5/6/97	NO	15	14	16	20	19	19	18	18	19			17	18	17	18	17	17	C
5/15/97	NO	15.3	14.3	14.5	14	14.1	14.3	14.8	15.9	16.6	16.2	17.2	15.3	15.8	16.7	16.8	14.4	17.2	C
5/20/97	NO	17.5	18	16.8	16.3	14.5	17	16.1	16.7	17.4	17.6	15.6	17.8	18.7	19.3	20	20	20.3	C
5/25/97	YES	22.3	21.5	21	21.6	23.1	24.4	24.9	22.8	22.9	22.7	26.2	21.9	22.6	21.4	24.8	23.7	23.8	C
5/28/97	NO	14.5	14.5	15.1	14.5	13.8	14.5	15.3			14.4	18	14.4	15.2	14.6	15	15	14.6	C
5/31/97	YES	18.9	16.2	16.7	18.3	17.1	17.4	17.5	16.5	16.5	16.8	23.1	17.9	18.7	19.3	17.9	18.4	18.4	C
6/5/97	NO	20.5	20.4	20.6	20.8	20.9	21.7	21.1	20.9	20.5	22.9	28.1	19.4	20	20.1	21.1	17.2	19	C
6/8/97	YES	19.8	19.4	19.9	19.8	19.9	21.5	19.1	20.5	20.7	19.9	24	22.1	20.6	23.5	20.9	20.9	23.4	C
6/11/97	NO	19.8	18.7	19.9	20.3	20.5	21.8	20.2	20.8	21.9	22.1	25.7	21.5	21.1	22.5	23.2	21.8	24.1	C
6/16/97	NO	22.6	21.4	22.4	21.9	22.4	22.2	21.7	22.5	21.4	21	24.7	22.2	21.7	22.1	23.8	23.1	24.6	C
6/21/97	YES	25.6	25	25.2	24.7	25.1	25.4	24.2	25.1	25.1	25	27.1	24.8	24.5	24.5	25.4	24.8	24.3	C
6/26/97	NO	24.1	23.2	22.4	24.4	24.5	26.6	25.6	27.1	28.6	24.4	22.4	24.6	27.8	24.6	27.8	27.1	28	C
7/1/97	NO	25.9	27.5	27.2	27.2	27.1	26.4	24.8	23.6	25	25.1	25.2	27.9	24.3	23.2	24.2	24.8	23.5	C
7/9/97	NO	28.7	28	28.7	26.5	28.5	25.6	23.7	24.9	23.9	23.2	25.6	27.1	26.3	26.9	26.8	26.6	29	C
7/17/97	NO	28.4	29	27.9	27	29.4	27.6	25.1	27.1	26.8	27.4	29.5	27	24.8	26.3	28.5	25	27.8	C
7/27/97	YES	29.7	28.3	28.6	28.2	28.8	28.3	27.8	28.3	26.9	29.1	29.8	27.2	25.7	27.5	28.5	25.7	27.4	C
7/31/97	NO	22.3	22	23.7	21.9	22.8	22.8	20.7	23.3	21.7	22.8	24.4	22.5	19.9	22.4	21.6	21	23.3	C
8/5/97	NO	24.3	24.6	25	24.1	24.3	25.2	23.8	24.6	23.8	25.7	26.3	24.5	23.5	24.6	24.8	22.7	25.1	C
8/11/97	NO	21.9		22.5		22.2	23.9		23.4				24.6		25.2	26.2		26.7	C
8/15/97	YES	23.3	23.2	23.6	22.9	23.5	23.9	24.5	23.5	23.4	23.2	26.5	23.8	25	23.1	23.5	23.8	24.7	C
8/24/97	YES	24.8	24.6	24	22.9	25.7	23.9	21.6	23.5	23.3	24.6	26	21.2	20.3	21.8	21.8	21.5	22.9	C
9/3/97	NO	22.7		23.2		23.2	23.9	23.3	22.8	22.7			20.5	20.4	20.7	22.8	22	21.8	C
9/8/97	NO																		C
9/17/97	NO	25	24.2	25.1	23.2	24.2	24	23.9	24.2	24.7	25.9	26.8	23	22.3	22.8	25	22.4	24.3	C
9/21/97	YES	19.6		22.6		20.4	21.9	20.1	20.9	20.2			19.8	18.1	19.9	19.9		20	C
10/14/97	NO	13.4	13.4	14.1	12.5	13.9	14.2	13.6	13.9	13.2	12.8	19.9	14.7	16.5	15.3	15.7		15.3	C
10/21/97	NO	11		13	11.5	11.4	11.8	12	12.4	13.9		19.9	11.7	11.5	11.8	11.9		12.8	C
10/30/97	NO	9.8	10.5	9.8	10.3	10	9.8	12.9	10.3	14	10.6	18.8	10.9	13.1	10.9	11.4	11.4	10.4	C
11/3/97	NO	6.3		7.4	7.1	7.4	8.4	7.1	7.7	9.1	7.7	13.8	7.8	9.4	7.6	6.7	7.5	7.4	C
11/10/97	NO	6.5	7.1	7.1	6.4	6.7	7.1	7.6	7.2	11.6	7.6	16.9	6.9	5.9	7.2	7.1		7.4	C
11/12/97	NO	5.4		5.3		5.2			7.1	10.8		18.2	4.9	5.4	5.3	5.3		5.3	C
11/19/97	NO	2.3		4.9		3.7	5.1	6.1	5.7	11.9		17.6	5.7	9.5	7.1	7.9		6.3	C
11/20/97	NO	5.8		5.3		5.5	5	6.6	5.5	12.6		18	5.9	8.4	5.8	5.7		5.9	C
11/24/97	NO	5.5	5.4	5.4	6.6	6.4	7	8.5	7.9	12.9	6.7	19.8	7.7	10	6.6	7.7	9.1	8.1	C
12/2/97	NO	7.8	7.2	7.8	7.8	7.8	8.3	8.9	8.3	10.6	7.2	20.6	8.9	7.8	9.5	8.3	7.8	8.9	C
12/4/97	NO	4.4	6.7	5	5.6	5	5.6	7.8	5.6	5.6	5.6	15.6	6.7	5.6	6.7	6.7	7.2	6.7	C
12/11/97	NO			1.7	2.4	2.5	2.7	3.9	3	8.3	1.9	12.8	3.1	5	3	3.1		3.1	
12/12/97	NO	2.2		2.2	2.1	1.2	2.7	4	2.2	3.6	2.1	14.5	2.3	2.8	2.3	2.2	2.5	2.1	C

12/15/97	NO	0.3	1.8	1.2	0.7	0.7	1.4	5.4	3.2	6.6	2.2	17	2.3	3.9	2.1	2.7	1.9	3.8	C
12/22/97	NO	2.6	3.3	2.7	3.1	3	2.9	5.2	3	2.8	2.5	12	3	4.2	3.3	3.4	4.2	3.7	C
12/30/97	NO	1.2	2.2	1.9															C
12/31/97	NO																		C
1/8/98	NO	3.3	3.4	2.6	2.5	3	4.5	3.9	3.3	3	2.6	5.9	3.5	2.6	3.8	3.8	3.9	4.3	C
1/9/98	NO	2.3	2.5	2.2	2.2	2.3	2.7	4.6	2.4	2.3	2.3	8.6	1.9	4.2	2.6	2.4	2.9	3.6	C
1/20/98	NO	1.1		0.9	2.3	1.3	1.5	4.3	2.6	6.9	3.6	12.9	2.5	3.6	2.2	2.3	2.7	2	C
1/22/98	NO	0.6	1.5	1	1.1	1	1.7	3.6	2.6	6.9	3.1	13.2	2.7	3	2.7	2.2	2.6	2.1	C
1/26/98	NO	2.9	4.6		3		4.9	7.3	4.8	10.3	6.1	17.9	5.5	6.9	5.2	5.1		4.5	C
1/30/98	NO	2.6	2.9	2.8	2.8	2.8	3.8	4.3	4.4	8.7	6.3	14.9	5.3	4.6	5.5	6.3		6.2	C
2/2/98	NO	4.5	5.4	4.6	5.4	5	5.4	5.9	6	10	7.9	13.7	5.3	4.7	5.5	5.4	5.9	5.7	C
2/3/98	NO	4.7		5.5	4.1	5.1	4.6	5.4	4.9	9.2	4.1	15.5	5.7	3.7	5.3	5.7		5.7	C
2/9/98	NO	2.8	4.5	3.8	3.6	2.9	4.5	6.2	5.3	9.9	6.9	17.5	5.7	7.7	5.5	5.8		6.3	C
2/18/98	NO	4.7	5.4	4.8	4.7	4.8	5	5.1	5.2	5.1	5.9	10.7	5.3	7	5.1	5.5	5.6	5.7	C
2/20/98	NO	5.9	7.5		5.4	5.4	5.6	6.9	5.6	7	6.1	12	6	7.7	5.8	5.9	5.8	5.9	C
2/25/98	NO	9.7	10.4	9.6	9.9	9.7	9.8	10.7	9.8	13.7	10.7	18.2	10.1	11.5	10.1	10.2	10.3	10.2	C
2/26/98	NO	9.7	9.9	9.8	10.2	11.7	10.5	11.3	10.2	12.1	11	17.7	10.7	11.2	10.8	10.3	10.3	11.1	C
3/2/98	NO	3.6	3.5	4	4	5.7	4.6	5.1	4.5	7.7	5.2	14.6	4.8	5.2	4.5	5	4.4	4.7	C
3/12/98	NO	-0.3	1		-0.1		0.5	2.1	0.7	2.7	2.7	10.2	1.2	3.9	1	1.7	0.7		C
3/19/98	NO	4.9	5.5		4.7														C
3/20/98	NO	2.3	2.9	2.7	2.3	3	3.2	4.3	2.9	2.8	1.9	7	3.5	4.8	3.3	3.9	3.6	4	C
3/24/98	NO	5.5	6.1	4.8	5.6	5.9	7	9.7	6.6	11	7.6	16.6	8.5	11.6	7.9	9.6	9.6	10.1	C
3/26/98	NO	14.5	17	14	15	14.5	14	15.5	13.5	16.5	15	22	12.5	15	13	14	15	13	C
3/30/98	NO	17.8	17.5	17.8	18	17.5	18.5	17.5	17	19	18	23.5	17.5	19	17.5	18	19	17.5	C
4/3/98	NO	10.9	10.9		10.9	11.7	11.2	10.8	11.1	11.8	11.2	15.6	11.2	10.7	11.1	11.3	10.6	11.6	C
4/8/98	NO	11.7	11.7	11.6	10.8	11.2	11.5	11.1	11.7	11.9	11.8	15.1	12.1	11.1	11.9	12.1	11.7	11.9	C
4/10/98	NO	10.2		9.5	8.9	9.7	10.2	10.2	10.3	12.3	10.7	17	10.5	10.8	10.9	12.1		11.6	C
4/15/98	NO	14.7	14.3	14.7	14.9	15.4	15	15.5	15.1	15.4	14.8	15.4	18	16	15.2	15.8	16.8	15.5	C
4/17/98	NO	12.6	12		14.2	14	12	11.1	12	12.4	11.8	19.7	11.5	10.7	11.4	12.2		12.5	C
MDC-AVG		12.212	13.0296	12.7426	12.15	12.9365	13.0688	13.13968	12.8344	14.2397	12.8036	18.695	12.9385	13.1016	12.94308	13.42615	14.058	13.6891	

Tyson Branch

all others average is 13.082

AVERAGE TEMPERATURE

MUDDY CREEK BASIN (MDC DATA)