

Friedline Input			General Info		Lab Results										Weather		
Date	Collector ID	Flow	Time	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (°C)	Conductivity (microS)	Dissolved Oxygen (mg/L)	Conditions/Comments
08/05/97				2.9	0.0	1088.0	433.0	70.0	326.0	255.0	4.7	65.4	-	-	-	-	-
11/19/97				3.0	0.0	478.0	231.0	22.0	132.0	20.2	4.2	26.3	-	-	-	-	-
12/18/97				3.0	0.0	552.0	205.0	24.0	139.0	85.9	3.7	28.5	-	-	-	-	-
01/20/98				3.0	0.0	518.0	144.0	2.0	159.0	88.9	2.9	26.5	-	-	-	-	-
04/07/98				3.0	0.0	532.0	234.0	2.0	145.0	108.0	2.7	28.4	-	-	-	-	-
05/06/98				2.9	0.0	258.0	351.0	6.0	115.0	50.0	2.6	25.9	-	-	-	-	-
06/08/98				2.9	0.0	532.0	422.0	12.0	112.0	45.4	3.1	31.0	-	-	-	-	-
07/08/98				2.9	0.0	492.0	289.0	14.0	105.0	98.0	2.6	25.4	-	-	-	-	-
08/11/98				3.0	0.0	680.0	679.0	2.0	188.5	128.0	3.4	35.2	-	-	-	-	-
09/15/98				2.7	0.0	656.0	698.0	2.0	202.0	110.0	4.2	42.7	-	-	-	-	-
01/28/99				2.9	0.0	538.0	475.0	68.0	162.0		3.2	33.8	-	-	-	-	-
07/06/99				3.0	0.0	762.0	385.9	22.0	263.0	276.0	4.2	43.7	-	-	-	-	-
12/17/99				2.9	0.0	724.0	604.0	118.0	238.0	180.0	3.6	42.7	-	-	-	-	-
02/15/00	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/25/01				2.9	0.0	997.2	275.0	6.0	266.0	-	4.0	56.8	-	-	-	-	-
10/19/2001				3.1	0.0	1078.2	502.9	3.0	300.0	-	4.4	59.1	-	-	-	-	-
11/13/2001				2.9	0.0	1059.6	690.0	16.0	365.0	347.9	5.1	66.5	-	-	-	-	-
12/18/2001				3.0	0.0	1038.0	925.0	0.0	346.0	346.8	4.8	59.0	-	-	-	-	-
1/24/2002			1:05 PM	3.0	0.0	795.2	850.0	12.0	230.0	215.1	3.9	46.3	3.20	10.10	1782.00	1.12	
2/18/2002			3:01 PM	3.0	0.0	657.6	616.0	4.0	190.0	175.0	3.5	42.0	2.90	10.10	1636.00	0.94	
3/27/2002			2:33 PM	3.1	0.0	340.0	276.0	12.0	83.1	48.0	2.1	18.1	3.20	8.50	1012.00	3.08	
4/25/2002	LWA		11:15 PM	3.0	0.0	631.4	600.0	36.0	163.0	133.9	3.1	34.0	3.00	10.30	1498.00	1.11	
5/20/2002	LWA			-	-	-	-	-	-	-	-	-	3.30	10.20	1140.00	1.29	
5/23/2002	LWA		10:30 AM	3.0	0.0	613.2	474.0	26.0	158.0	115.5	2.7	35.7	3.20	10.30	1289.00	1.27	
6/26/2002	LWA			2.9	0.0	725.0	48.7	2.0	214.0	155.5	3.5	42.2	3.90	10.90	1340.00	1.25	
7/22/2002	LWA			2.9	0.0	795.8	561.0	6.0	242.0	119.3	4.3	50.1	3.10	11.00	1619.00	1.46	
8/29/2002	LWA			3.0	0.0	992.8	728.2	2.0	315.0	178.1	4.5	57.7	3.30	11.20	1440.00	1.42	
9/25/2002	LWA		1:51 PM	3.0	0.0	1084.6	672.6	6.0	345.0	305.8	5.0	66.1	3.50	12.70	2140.00	-	
10/25/2002	LWA			-	-	-	-	-	-	-	-	-	3.20	10.80	1553.00	1.22	
11/25/2002	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/19/2002	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/31/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/24/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/13/2003	7485725	27		2.9	0.0	618.0	639.5	2.0	184.0	122.0	2.9	38.8	-	-	-	-	-
3/24/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/8/2003	7485729	24		2.9	0.0	610.2	644.6	2.0	186.0	111.0	2.9	36.7	2.70	-	-	-	-
5/8/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/29/2003	7485756	20		2.8	0.0	729.6	775.3	2.0	208.0	160.0	3.1	44.7	3.30	9.70	994.00	1.10	
6/2/2003	LWA		PM	2.8	0.0	723.8	634.0	2.0	197.0	140.0	3.2	44.1	3.30	10.60	1626.00	0.56	
7/8/2003	LWA			2.8	0.0	687.6	531.0	18.0	157.4	106.0	2.8	40.5	2.70	11.10	1302.00	1.01	
8/25/2003	LWA	NA	AM	2.8	0.0	873.2	819.0	2.0	248.0	82.0	3.6	49.1	2.50	12.00	1383.00	1.70	
9/29/2003	LWA	NA	AM	2.8	0.0	856.4	786.7	6.0	251.0	194.0	3.5	49.1	3.70	12.00	1072.00	0.02	VANDALS FLUSHED SYSTEM/DRAINED SAPS 1 9/20/03
10/27/2003	LWA	NA	AM	2.8	0.0	839.6	788.8	2.0	235.0	131.0	3.5	48.0	3.00	11.90	1025.00	-	
11/24/2003	LWA		AM	2.8	0.0	832.4	654.1	16.0	219.0	151.0	3.2	48.3	2.00	-	-	-	-
2/23/2004	LWA			2.8	0.0	875.4	850.2	4.0	248.0	184.0	3.5	54.1	2.60	-	-	-	-

Friedline Input			General Info			Lab Results												
Date	Collector ID	Flow	Time	pH	Alkalinity (mg/L)	Total Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (°C)	Conductivity (microS)	Dissolved Oxygen (mg/L)	Weather	Conditions/Comments
3/29/2004				2.9	0.0	749.8	825.6	6.0	190.7	19.6	3.4	45.6	-	-	-	-	-	
4/29/2004	CJW	NA	AM	2.7	0.0	1009.0	969.0	8.0	268.0	138.0	4.2	65.5	-	-	-	-	-	SLAG/LIME BED OPERATING - Sun/clouds - warm
5/24/2004	CJW	NA	AM	2.7	0.0	984.8	912.1	2.0	249.0	220.3	3.6	62.3	-	-	-	-	-	Overcast, clouds & cool
6/25/2004				2.7	0.0	922.2	755.6	2.0	281.0	224.9	3.9	58.2	-	-	-	-	-	Rain, rain past days
7/26/2004	CJW	NA	9:00am	2.8	0.0	902.8	861.7	10.0	221.0	-	3.8	56.0	2.40	-	-	-	-	2.00 Sunny, warm
8/23/2004	CJW			2.8	0.0	871.6	954.9	3.0	224.0	235.4	3.9	54.0	2.30	15.70	-	-	-	1.15 Hurricane Ivan last week, drizzle, 65 degrees F
9/28/2004	CJW, JMH		8:25	2.8	0.0	812.0	783.9	3.0	199.0	172.7	3.2	47.1	3.10	12.90	-	-	-	1.72 Sunny, clear
10/27/2004	JMH, BDB		1:45	2.8	0.0	829.8	705.8	16.0	216.0	220.0	3.3	46.5	3.00	11.00	809.00	1.72	-	Drizzle, 50 degrees, Filled AI
11/22/2004	JMH, BDB		9:00	3.0	0.0	859.0	811.2	72.0	235.0	257.2	3.5	44.8	3.00	10.70	805.00	1.34	-	1.1 Slag bed up
12/17/2004	JMH, CJW		9:00 AM	2.9	0.0	748.0	755.2	3.0	196.0	201.7	3.2	41.1	2.9	7.5	-	-	-	2.0
1/23/2005	JMH, CJW		9:00 AM	2.8	0.0	667.0	630.7	3.0	149.0	ns	2.6	37.0	3.1	8.8	-	-	-	3.3
3/8/2005	CW, JH		9:00 AM	2.9	0.0	620.8	711.8	3.0	147.7	ns	2.5	32.8	3.0	9.8	-	-	-	-
3/31/2005	CW, JH		9:00 AM	2.8	0.0	685.2	780.1	4.0	156.0	ns	2.6	34.3	3.1	8.5	156.0	2.0	-	-
5/26/2005	CW, JH, VP		9:00 AM	2.8	0.0	729.4	874.1	8.0	180.0	ns	3.1	40.8	2.4	10.4	-	-	-	-
6/30/2005	CW, VP		am	3.0	0.0	743.2	630.6	3.0	216.0	284.2	4.0	55.2	3.0	11.1	2.1	1.3	-	0.7 Cloudy, light drizzle
9/1/2005				3.0	0.0	1001.0	1006.1	54.0	262.0	284.2	4.8	64.7	2.5	14.5	1641.0	1.5	-	1.5 Cloudy, light drizzle
10/3/2005	SH, AL			2.9	0.0	1018.6	938.7	<3	>300	ns	ns	ns	2.9	7.7	1230.0	-	-	-
1/17/2006	AL, DB		am	2.9	0.0	550.0	633.0	<3	ns	ns	ns	2.3	29.9	3.0	10.2	1180.0	-	-
2/23/2006	AL, SH		pm	2.9	0.0	541.2	503.0	<3	105.5	ns	2.5	28.9	3.0	10.2	1180.0	-	-	-
3/22/2006	AL, SH		pm	2.8	0.0	546.8	641.7	<3	112.0	ns	2.7	33.2	2.9	10.3	13.1	-	-	-
4/24/2006	SH, CJ		am	2.8	0.0	573.2	664.2	4.0	124.0	ns	3.0	45.3	2.8	10.9	1617.0	0.8	-	0.8 Sunny-very humid
7/20/2006	SH, CJ		am	2.8	0.0	719.2	792.2	<3	165.6	ns	3.3	43.1	2.9	10.9	na	0.8	-	0.8 Partly cloudy - rain night before & several days prior
9/6/2006	SH, CJ		am	2.8	0.0	744.0	841.8	4.0	187.0	ns	3.3	43.1	2.9	10.9	na	0.8	-	0.8 Partly cloudy - rain night before & several days prior
10/31/2006	SH, CJ	4.45	am	3.0	0.0	665.8	673.4	<3	176.1	ns	3.4	42.3	2.8	10.2	1541.0	1.1	-	1.1 Partly Cloudy
1/22/2007	SH, CJ		am	2.8	0.0	616.6	798.5	<3	159.0	ns	2.7	37.1	3.1	9.7	1767.0	0.6	-	0.6 Hazy, Snow
5/23/2007	SH, CJ		am	2.8	0.0	605.2	614.8	14.0	142.0	ns	2.6	37.4	2.8	13.5	1625.0	1.0	-	1.0 Sunny, humid
7/26/2007	SH, CJ	4.2	am	2.8	0.0	915.4	876.7	30.0	338.0	ns	4.5	53.2	3.0	11.5	1884.0	0.9	-	0.9 Sunny - no recent rain
11/13/2007	SH, CJ	2.8	am	3.1	0.0	941.8	955.4	4.0	315.0	ns	4.3	54.1	2.9	10.9	1793.0	1.5	-	1.5 Sunny, rain few days prior - mid 50's
1/28/2008	CJ, DB	5.7	am	2.8	0.0	681.0	629.4	4.0	199.0	ns	3.3	43.7	2.6	9.5	1732.0	1.1	-	1.1 Snow, Sunny, Mid 40's
4/21/2008	CJ, JJ	8.5	am	2.8	0.0	586.6	530.7	8.0	170.0	ns	2.9	35.5	2.5	12.8	1058.0	1.4	-	1.4 Cloudy, recent rain 60's Conductivity meter may not be working correctly
7/28/2008	CJ, AB	5.3	am	2.9	0.0	684.6	628.8	<5	214.0	ns	3.1	43.3	2.4	16.8	1820.0	0.8	-	0.8 Sunny, high 70's
10/29/2008	SH, CJ	ns	am	3.0	0.0	917.4	972.3	<5	289.0	ns	4.1	54.9	2.6	10.7	1960.0	1.0	-	1.0 Snow flurries, 30's
				2.9	0.0	745.7	649.4	13.9	207.9	161.4	3.5	44.2	2.9	10.9	1314.9	1.3	-	-
			Average	0.1	0.0	184.5	220.3	21.7	65.9	81.7	0.7	11.5	0.4	1.8	503.1	0.6	-	-
			Standard D														-	-

Friedline Output	General Info			Lab Results mg/L										Field Results				
	Date	Collector ID	Flow	Time	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (degrees C)	Conductivity (ms)	Dissolved Oxygen (mg/L)	Weather Comments
8/5/1997	Not Sampled																	
11/19/97					7.00	106.00	0.00	332.00	4.00	1.05	0.23	2.32	0.21	-	-	-	-	
12/18/97					6.80	92.00	0.00	306.00	2.00	0.98	0.12	2.54	0.28	-	-	-	-	
01/20/98					6.70	78.00	0.00	273.00	2.00	0.37	0.13	1.85	0.20	-	-	-	-	
04/07/98					7.00	70.00	0.00	224.00	2.00	1.73	0.33	1.15	0.32	-	-	-	-	
05/06/98					7.00	62.00	0.00	180.00	14.00	1.37	0.25	1.00	0.43	-	-	-	-	
06/08/98					6.70	74.00	0.00	187.00	10.00	1.80	0.30	2.27	0.38	-	-	-	-	
07/08/98					6.80	64.00	0.00	159.00	14.00	0.36	0.11	0.30	0.20	-	-	-	-	
08/11/98					6.80	76.00	0.00	296.00	16.00	0.67	0.16	1.59	0.20	-	-	-	-	
09/15/98					6.80	74.00	0.00	423.00	6.00	1.38	0.13	3.60	0.37	-	-	-	-	
01/28/99					6.50	54.00	0.00	188.00	86.00	1.25	0.25	1.00	0.31	-	-	-	-	
07/06/99					6.90	96.00	0.00	481.10	4.00	2.19	0.27	0.34	0.26	-	-	-	-	
12/17/99					4.80	9.80	20.00	560.00	36.00	0.47	0.18	4.23	3.03	-	-	-	-	
02/15/00					4.80	10.80	28.00	274.00	46.00	15.10	1.02	2.19	6.52	-	-	-	-	
09/25/01					6.60	64.00	0.00	512.00	8.00	0.77	-	1.51	0.50	-	-	-	-	
10/19/2001					6.40	54.00	0.00	671.70	3.00	0.30	-	0.22	0.50	-	-	-	-	
11/13/01		LWA			7.00	50.00	0.00	832.00	16.00	1.97	0.13	0.55	0.20	-	-	-	-	
12/18/2001		LWA			5.50	17.80	45.00	604.00	32.00	4.32	4.61	4.36	1.39	-	-	-	-	
1/24/2002		LWA		12:07 PM	5.70	20.00	43.00	405.00	12.00	5.56	5.21	2.71	0.75	6.00	2.10	830.00	5.14	Overcast, light rain, 40's
2/18/2002		LWA		2:22 PM	6.30	34.00	12.00	339.00	8.00	0.75	0.27	1.79	0.55	6.10	5.50	757.00	7.28	sunny, 40's, snowcover
3/27/2002		LWA		1:59 PM	4.60	10.00	69.80	167.00	4.00	0.82	0.32	1.16	3.60	5.00	5.20	227.00	5.30	
4/25/2002		LWA		10:48 AM	5.20	11.60	31.80	251.00	2.00	0.65	0.35	2.28	0.34	5.60	11.40	620.00	3.53	
5/20/2002		LWA			-	-	-	-	-	-	-	-	-	-	5.10	294.00	-	
5/23/2002		LWA		10:40 AM	4.70	9.80	63.40	153.00	2.00	0.37	0.39	0.97	2.74	5.10	13.00	327.00	7.97	
6/26/2002		LWA			4.40	6.60	49.20	371.00	38.00	2.13	0.08	3.86	1.98	4.70	25.90	616.00	1.99	
7/22/2002		LWA			4.20	5.20	34.20	421.00	16.00	1.23	0.23	6.52	1.32	4.10	27.90	614.00	1.32	
8/29/2002		LWA			3.90	0.00	106.00	563.00	42.00	1.83	0.02	4.58	7.58	4.80	23.60	788.00	0.92	
9/25/2002		LWA		12:58 PM	3.80	0.00	130.40	665.30	10.00	3.52	0.48	5.96	9.42	4.30	19.80	1128.00	-	
10/25/2002		LWA			3.70	0.00	153.20	794.30	26.00	1.87	1.31	4.49	17.40	3.90	12.10	641.00	1.07	
11/25/2002		LWA		1:35 PM	3.30	0.00	183.00	470.00	14.00	7.45	1.31	3.75	23.80	-	5.30	1090.00	0.73	
12/19/2002		LWA		1:16 PM	3.40	0.00	146.80	519.00	8.00	6.81	1.57	2.93	15.30	3.60	2.90	415.00	-	
1/31/2003		LWA		1:58 PM	3.40	0.00	118.40	373.00	20.00	5.18	1.84	2.15	11.80	3.70	0.70	999.00	7.27	
2/24/2003		LWA		2:21 PM	3.70	0.00	94.00	244.80	6.00	5.33	1.70	1.51	6.55	4.20	0.70	653.00	8.29	
3/13/2003		7485726	27.00		4.50	0.00	67.40	161.50	2.00	0.63	0.26	0.87	3.20	4.70	-	-	-	
3/24/2003		LWA		2:04 PM	4.30	5.80	65.00	207.00	2.00	0.82	0.66	1.38	4.05	4.90	14.80	458.00	6.65	
4/8/2003		7485730	24.00	AM	4.10	0.00	91.40	272.60	2.00	0.27	0.12	1.72	6.43	3.90	-	-	-	Cloudy, Cold
5/8/2003		LWA		AM	4.00	2.20	87.60	293.00	6.00	1.05	0.07	1.81	6.62	4.40	15.00	578.00	6.60	
5/29/2003		7485755	20		3.80	0.00	100.80	236.70	2.00	0.65	0.18	1.65	6.37	-	-	-	-	
6/2/2003		LWA		PM	3.80	0.00	76.60	246.00	6.00	1.79	1.04	1.66	6.35	3.90	17.50	553.00	3.66	
7/8/2003		LWA		AM	3.80	0.00	83.80	264.00	6.00	1.56	0.48	1.74	7.10	3.40	23.70	561.00	4.64	

Friedline Output	General Info			Lab Results mg/L										Field Results				
	Date	Collector ID	Flow	Time	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (degrees C)	Conductivity (ms)	Dissolved Oxygen (mg/L)	Weather Conditions/Comments
8/25/2003		LWA		AM	3.70	0.00	74.00	321.20	4.00	1.79	0.26	2.12	4.98	-	-	-	-	
9/29/2003		LWA		AM	3.40	0.00	100.80	439.40	6.00	2.29	0.27	2.39	9.70	4.40	-	-	-	
10/27/2003		LWA		AM	4.00	1.00	109.40	326.90	6.00	1.11	0.05	1.69	8.67	5.20	10.00	473.00	-	
11/24/2003		LWA		AM	4.00	1.80	93.20	208.60	10.00	0.37	0.14	1.19	6.61	3.50	-	314.00	-	
2/23/2004		Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	
3/29/2004		Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	
4/29/2004		CJW		AM	3.80	0.00	90.40	234.00	16.00	1.60	0.48	1.70	3.20	-	-	-	-	Sun/clouds - warm
5/24/2004					3.80	0.00	60.60	357.40	2.00	1.95	0.34	2.65	3.57	-	-	-	-	Overcast, clouds & cool
6/25/2004				9:15am	3.90	1.00	62.80	311.70	14.00	0.99	-	2.50	2.28	3.80	-	-	-	rain, rain past days
7/26/2004		gjw			4.20	4.20	73.20	357.60	3.00	1.47	0.32	1.88	4.08	3.80	20.80	-	5.61	Sunny, warm
8/23/2004		CJW		8:25 AM	4.6	7.4	60.4	163.2	3.0	0.4	0.1	1.1	2.1	4.40	18.30	-	6.60	Hurricane Ivan last week, drizzle, 65 degrees
9/28/2004		CJW, JMH		1:45 PM	3.8	0.0	116.6	257.2	4.0	0.9	0.8	2.1	12.8	3.90	13.10	400.00	8.40	Sunny Clear
10/27/2004		JMH, BDB		9:00 AM	4.6	7.0	36.8	221.5	4.0	0.3	0.1	1.2	2.3	4.80	8.50	238.00	10.30	Drizzle, 50 degrees, Filled Al
11/22/2004		JMH, BDB		9:00 AM	6.1	11.6	15.4	114.5	3.0	0.3	0.0	0.4	0.5	5.8	-	-	-	Slag flow increased after Nov. LCMDC
12/17/2004		JMH, CJW		9:00 AM	5.9	10.8	35.2	105.8	3.0	0.3	ns	0.5	0.7	5.6	0.3	-	9.8	
1/25/2005		JMH, CJW		9:00 AM	5.5	8.8	23.6	149.1	3.0	0.3	ns	0.6	0.5	6.0	9.2	-	10.1	
3/8/2005		JH, CW		9:00 AM	6.0	12.6	32.6	163.2	3.0	0.3	ns	0.7	0.5	4.7	13.8	-	-	
3/31/2005		JH, CW		AM	5.7	11.2	51.6	200.8	3.0	0.9	ns	1.4	0.5	4.7	13.8	-	-	
5/26/2005		CW, JH, VP		am	4.2	4.8	54.6	240.0	3.0	1.7	ns	2.8	0.9	4.1	22.5	-	-	8.5 Cloudy, light drizzle
6/30/2005		CW, VP			4.9	8.8	46.8	372.4	36.0	1.1	1.0	2.9	0.9	5.0	21.6	800.0	1.6	Cloudy, light drizzle
9/1/2005		SH, AL			4.80	8.80	52.20	442.80	<3	74.20	ns	4.15	34.20	4.60	18.00	750.00	2.13	Cloudy, light drizzle
10/3/2005		AL, DB			6.10	13.00	22.00	102.50	ns	ns	ns	ns	ns	5.70	2.70	237.00	-	Cloudy, light drizzle
1/17/2006		AL, SH		pm	6.00	17.20	32.80	144.20	<3	0.87	ns	0.68	0.50	5.80	4.70	349.00	-	Sunny
2/23/2006		AL, SH		pm	6.30	19.60	2.40	180.00	<3	1.06	ns	0.62	0.61	5.80	4.70	349.00	-	Cold, misty
3/22/2006		AL, SH		pm	4.20	4.20	58.60	158.00	<3	<3	ns	0.90	2.40	4.20	13.70	358.00	-	Cloudy, light drizzle
4/24/2006		SH, CJ		am	3.20	0.00	179.00	370.00	<3	4.20	ns	2.65	19.67	3.00	24.90	920.00	1.62	Sunny-very humid
7/20/2006		SH, CJ		am	3.50	0.00	101.00	311.10	<3	1.16	ns	1.40	11.30	3.50	17.30	na	2.18	Partly cloudy - rain night before & several days prior
9/6/2006		SH, CJ		am	4.20	5.40	33.80	150.00	<3	0.36	ns	0.67	4.97	4.00	7.40	365.00	3.70	Partly Cloudy
10/31/2006		SH, CJ	32	am	4.70	6.80	21.40	171.30	<3	<30	ns	0.72	2.73	5.10	1.90	399.00	3.80	Hazy, Snow
1/22/2007		SH, CJ		am	4.40	5.80	45.80	139.30	2.00	0.43	ns	1.10	0.64	4.50	17.90	344.00	2.80	Sunny, humid
5/23/2007		SH, CJ	5.2	am	3.40	0.00	116.00	463.20	2.00	2.69	ns	2.71	12.50	3.30	20.20	829.00	2.10	Sunny - No recent rain
7/26/2007		SH, CJ	ns	am	3.70	0.00	135.20	435.30	<2	1.04	ns	2.83	14.40	3.60	8.90	939.00	3.00	Sunny, rain few days prior - mid 30's
11/13/2007		SH, CJ	ns	am	3.20	0.00	139.80	262.20	106.00	49.10	ns	1.77	13.40	3.10	1.40	893.00	3.30	Snow, sunny, mid 40's
1/28/2008		CJ, DB	ns	am	3.20	0.00	104.80	249.40	<5	2.05	ns	2.04	10.03	1.70	12.70	638.00	2.60	Cloudy, recent rain 60's Conductivity meter may not be working correctly
4/21/2008		CJ, JJ	ns	am	3.20	0.00	101.80	307.00	8.00	4.99	ns	2.63	9.98	2.90	22.70	833.00	0.54	Sunny, high 70's
7/28/2008		CJ, AB	ns	am	3.20	0.00	137.20	473.80	<5	1.42	ns	2.72	18.50	3.30	6.40	934.00	2.90	Snow flurries, 30's
10/29/2008		SH, CJ	4.6	am	3.60	0.00	137.20	473.80	<5	1.42	ns	2.72	18.50	3.30	6.40	934.00	2.90	Snow flurries, 30's
				Average	4.8	18.5	60.1	317.0	13.0	3.6	0.6	2.0	5.3	4.4	12.3	592.9	4.7	
				Standard D	1.3	28.3	48.8	160.6	19.1	10.6	1.0	1.3	6.5	1.0	8.1	260.5	3.1	

Wetland 1	General Info			Lab Results										Field Results				
	Date	Collector ID	Flow	Time	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (degrees C)	Conductivity (mS)	Dissolved Oxygen (mg/L)	Weather Conditions/Comments
8/5/1997	Not Sampled																	
11/19/97	Not Sampled																	
12/18/97	Not Sampled																	
01/20/98	Not Sampled																	
04/07/98	Not Sampled																	
05/06/98	Not Sampled																	
06/08/98	Not Sampled																	
07/08/98	Not Sampled																	
08/11/98	Not Sampled																	
09/15/98	Not Sampled																	
01/28/99	Not Sampled																	
07/06/99	Not Sampled																	
12/17/99	Not Sampled																	
02/15/00	Not Sampled																	
09/25/01	LWA				3.2	0.0	117.2	503.0	12.0	126.0	-	3.5	5.7	-	-	-	-	
10/19/2001	LWA				3.3	0.0	161.2	668.8	4.0	22.5	-	3.8	6.6	-	-	-	-	
11/13/01	LWA				3.0	0.0	289.0	838.0	22.0	47.5	12.5	4.4	16.4	-	-	-	-	
12/18/2001	LWA				3.3	0.0	221.0	495.0	18.0	53.5	37.5	2.7	8.8	-	-	-	-	
1/24/2002	LWA			#####	3.3	0.0	115.8	290.0	56.0	31.8	24.2	1.4	2.0	4.0	2.4	686.0	6.4	Overcast, light rain, 40's
2/18/2002	LWA			#####	3.5	0.0	80.8	327.0	10.0	13.5	12.3	2.0	4.1	3.7	3.6	857.0	8.9	sunny, 40's, snowcover
3/27/2002	LWA			#####	3.7	0.0	88.2	147.0	24.0	9.5	5.5	1.0	5.8	3.9	5.8	471.0	9.4	
4/25/2002	LWA			#####	3.4	0.0	69.2	274.0	4.0	5.9	1.7	1.5	4.6	3.5	11.1	760.0	6.4	
5/20/2002	LWA			#####	-	-	-	-	-	-	-	-	-	-	-	352.0	-	
5/23/2002	LWA			#####	3.5	0.0	93.2	162.0	2.0	5.0	2.5	0.9	7.3	3.6	12.8	455.0	8.1	
6/26/2002	Not Sampled				-	-	-	-	-	-	-	-	-	-	-	-	-	
7/22/2002	LWA				2.9	0.0	275.4	548.0	2.0	12.9	-	3.2	25.8	3.1	29.2	1262.0	1.4	
8/29/2002	LWA				2.9	0.0	297.2	686.0	12.0	15.3	3.7	3.2	26.3	3.2	23.1	650.0	1.2	
9/25/2002	LWA			#####	2.9	0.0	398.4	824.5	2.0	23.7	0.1	4.2	35.9	3.3	19.6	1733.0	-	
10/25/2002	LWA				2.8	0.0	410.8	878.0	12.0	35.9	3.3	4.0	35.7	3.2	10.1	1276.0	3.0	
11/25/2002	LWA			#####	2.9	0.0	334.6	615.5	6.0	50.1	5.4	3.4	27.8	-	4.5	1277.0	0.6	
12/19/2002	LWA			#####	3.0	0.0	271.2	505.0	8.0	37.4	9.9	2.6	19.3	3.3	1.2	578.0	-	
1/31/2003	LWA			#####	3.0	0.0	258.6	433.0	28.0	50.4	15.3	2.1	16.4	3.3	1.0	1190.0	8.3	cold, ponds iced over, snowcover
2/24/2003	LWA			#####	3.3	0.0	148.6	243.0	10.0	33.1	21.3	1.4	10.1	3.8	1.9	716.0	9.9	
3/13/2003	Not Sampled				-	-	-	-	-	-	-	-	-	-	-	-	-	
3/24/2003	LWA			#####	3.3	0.0	97.2	208.0	2.0	6.9	4.4	1.1	7.2	2.6	13.5	662.0	9.7	

Wetland 1	General Info			Lab Results										Field Results						
	Date	Collector ID	Flow	Time	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (degrees C)	Conductivity (ms)	Dissolved Oxygen (mg/L)	Weather	Conditions/Comments	
	4/8/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	5/8/2003	LWA		AM	3.2 0.0	115.6	269.0	2.0	7.3	3.4	1.2	8.0	3.2	15.1	750.0	8.1	-	-		
	5/29/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	6/2/2003	LWA		PM	3.1 0.0	159.4	282.0	6.0	6.4	2.6	1.3	10.8	3.8	18.3	849.0	6.6	-	-		
	7/8/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	8/25/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	9/29/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	10/27/2003	LWA		AM	-	-	-	-	-	-	-	-	-	5.0	10.2	613.0	-	-	-	
	11/24/2003	LWA		AM	3.2 0.0	134.0	230.0	6.0	10.3	2.7	1.3	10.8	2.6	-	-	-	460.0	-	-	
	2/23/2004	LWA			3.2 0.0	184.0	311.9	6.0	31.3	9.6	1.5	12.3	2.4	-	-	-	-	-	-	
	3/29/2004	LWA		AM	3.2 0.0	153.0	370.0	4.0	11.2	0.4	1.7	12.5	-	-	-	-	-	-	-	
	4/29/2004	LWA		AM	3.1 0.0	157.0	276.7	12.0	12.0	0.4	1.5	13.2	-	-	-	-	-	-	-	
	5/24/2004	cjw		AM	2.9 0.0	188.8	350.0	4.0	13.2	-	1.7	10.5	-	-	-	-	-	-	Sun/clouds - warm	
	6/25/2004				2.9 0.0	198.0	500.5	38.0	13.0	0.9	2.4	15.0	-	-	-	-	-	-	Overcast, clouds & cool	
	7/26/2004	cjw		9:15am	2.9 0.0	210.8	547.9	108.0	12.1	-	2.6	15.5	2.5	-	-	-	-	-	rain, rain past days	
	8/23/2004	CJW			2.8 0.0	274.8	605.0	3.0	14.7	1.3	2.4	22.5	-	21.5	-	-	-	-	6.1 Sunny, warm	
	9/28/2004	CJW, JMH		#####	3.1 0.0	125.6	282.5	3.0	5.9	0.2	1.3	9.4	3.3	18.3	-	-	-	-	Hurricane Ivan last week, drizzle, 65 degrees F	
	10/27/2004	JMH, BDB		#####	3.0 0.0	172.2	375.8	18.0	8.2	1.2	1.8	15.4	3.2	12.1	587.0	-	-	-	9.7 Sunny, clear	
	11/22/2004	JMH, BDB		#####	3.1 0.0	121.8	349.4	4.0	3.8	0.4	1.5	8.4	3.3	9.4	439.0	-	-	-	6.5 Drizzle, 50 degrees, Filled AI	
	12/17/2004	JMH, CJW		#####	3.3 0.0	74.4	188.1	3.0	3.7	0.4	0.9	5.2	-	-	-	-	-	-	-	
	1/25/2005	JMH, CJW		#####	3.4 0.0	85.4	210.0	3.0	5.0	ns	1.0	6.3	-	-	-	-	-	-	-	
	3/8/2005	JH, CW		#####	3.5 0.0	56.8	196.8	12.0	2.3	ns	0.6	3.5	-	-	-	-	-	-	-	
	3/31/2005	Overflowing- was not sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5/26/2005	CW, JH, VP		am	3.3 0.0	55.6	316.5	3.0	1.9	ns	1.0	1.5	3.9	13.9	-	-	-	-	-	
	6/30/2005	CW, VP		am	2.9 0.0	196.2	417.5	18.0	12.2	ns	2.4	12.9	2.8	22.7	-	-	-	-	1.0 Cloudy, light drizzle	
	9/1/2005				2.8 0.0	309.8	795.8	<3	20.8	1.6	3.2	18.8	2.8	21.8	1927.0	-	-	-	1.6 Cloudy, light drizzle	
	10/3/2005	SH, AL			2.8 0.0	400.4	758.0	54.0	497.0	ns	4.2	1.8	2.7	17.9	1316.0	-	-	-	2.3 Cloudy, light drizzle	
	1/17/2006	AL, DB		am	ns	-	-	-	-	-	-	-	-	-	-	-	-	-	flooded - cloudy, light drizzle	
	2/23/2006	AL, SH		pm	3.4 0.0	80.6	89.0	<3	1.2	ns	0.3	2.8	3.5	5.2	364.0	-	-	-	Sunny	
	3/22/2006	AL, SH		pm	3.3 0.0	56.2	162.2	<3	1.5	ns	0.5	2.7	3.5	5.2	364.0	-	-	-	Cold, misty	
	4/24/2006	SH, CJ		am	3.2 0.0	91.4	181.1	<3	11.5	ns	0.65	5.5	3.2	13.5	560.0	-	-	-	Cloudy, light drizzle	
	7/20/2006	SH, CJ		am	2.7 0.0	338.6	532.3	<3	22.2	ns	2.5	24.2	2.5	26.2	1555.0	-	-	-	2.5 Sunny-very humid	
	9/6/2006	SH, CJ		am	2.8 0.0	329.6	570.5	4.0	25.8	ns	2.0	21.5	2.7	18.0	na	-	-	-	2.6 Partly cloudy - rain night before & several days prior	
	10/31/2006	SH, CJ		am	3.1 0.0	136.6	241.8	<3	11.1	ns	1.4	11.6	3.0	7.8	927.0	-	-	-	3.1 Partly Cloudy	
	1/22/2007	SH, CJ		am	3.4 0.0	65.2	208.6	<3	3.9	ns	0.9	5.2	3.7	2.9	628.0	-	-	-	3.2 Hazy, Snow	
	5/23/2007	SH, CJ		am	3.0 0.0	160.8	311.1	8.0	4.9	-	1.6	13.7	3.0	18.1	1052.0	-	-	-	3.3 Sunny, humid	
	7/26/2007	SH, CJ		am	2.7 0.0	350.0	652.6	12.0	22.3	-	3.4	26.0	2.7	21.5	1887.0	-	-	-	2.8 Sunny - no recent rain	
	11/13/2007	SH, CJ		am	3.1 0.0	191.6	405.8	10.0	13.7	-	2.2	16.0	3.0	9.7	1168.0	-	-	-	3.1 Sunny, rain few days prior - mid 50's	
	1/28/2008	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Wetland 1	General Info			Lab Results										Field Results						
Date	Collector ID	Flow	Time	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (degrees C)	Conductivity (mS)	Dissolved Oxygen (mg/L)	Weather	Conditions/Comments		
4/21/2008	CJ, JJ		am	2.9	0.0	167.8	254.1	<5	11.4		1.4	12.4	1.3	12.4	591.0	2.9	Cloudy, recent rain 60's	Conductivity meter may not be working correctly		
7/28/2008	CJ, AB		am	2.8	0.0	227.0	407.4	10.0	17.3	ns	2.0	16.4	2.4	24.3	1343.0	0.7	Sunny, high 70's			
10/29/2008	SH, CJ	ns	am	2.8	0.0	365.2	695.0	10.0	33.1	ns	3.1	30.8	2.6	5.9	1678.0	2.8	Snow flurries, 30's			
			Average	3.1	0.0	189.4	411.6	13.8	28.5	6.6	2.0	13.1	3.2	13.0	927.1	19.1				
			Standard	0.2	0.0	102.8	207.1	19.2	70.0	8.8	1.1	8.8	0.6	7.9	459.9	80.5				

SAPS1	General Info			Lab Results										Field Results				
Date	Collector ID	Time	Flow	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (degrees C)	Conductivity (microS)	Dissolved Oxygen (mg/L)	Weather Conditions/ Comments	
8/5/1997	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11/19/97				5.9	28.0	24.0	335.0	34.0	22.1	18.3	3.0	0.5	-	-	-	-	-	
12/18/97				6.0	42.0	0.0	391.0	34.0	16.9	10.5	3.2	0.5	-	-	-	-	-	
01/20/98				6.1	40.0	13.8	328.0	18.0	7.9	1.8	2.4	0.5	-	-	-	-	-	
04/07/98				4.8	10.2	34.0	239.0	2.0	8.6	7.4	1.8	2.8	-	-	-	-	-	
05/06/98				5.1	12.6	7.2	291.0	14.0	10.1	5.9	2.0	0.7	-	-	-	-	-	
06/08/98				6.0	26.0	60.0	239.0	26.0	34.8	31.6	2.1	0.4	-	-	-	-	-	
07/08/98				4.2	5.2	68.0	272.0	26.0	24.7	18.1	2.2	4.3	-	-	-	-	-	
08/11/98				6.0	78.0	154.0	640.0	206.0	114.0	112.0	3.9	16.8	-	-	-	-	-	
09/15/98	LWA			3.6	0.0	102.0	541.0	16.0	14.9	8.0	4.0	12.5	-	-	-	-	-	
01/28/99	LWA			6.1	176.0	202.0	1330.0	400.0	229.0	235.0	6.3	8.1	-	-	-	-	-	
07/06/99	LWA			5.3	32.0	254.0	576.1	192.0	150.0	166.0	4.3	17.3	-	-	-	-	-	
12/17/99	LWA			3.4	0.0	438.0	936.0	142.0	161.0	124.0	4.6	33.5	-	-	-	-	-	
02/15/00	LWA			4.3	11.2	360.0	512.0	220.0	187.0	44.9	4.4	26.7	-	-	-	-	-	
09/25/01	LWA			5.1	26.0	343.2	406.0	98.0	149.0	-	4.5	21.6	-	-	-	-	-	
10/19/01	LWA			5.4	50.0	363.8	1108.5	92.0	192.0	-	4.7	19.4	-	-	-	-	-	
11/13/01	LWA			4.6	15.6	517.4	986.0	106.0	243.0	223.1	5.1	29.8	-	-	-	-	-	
12/18/2001	LWA			4.6	18.2	506.8	1039.0	90.0	259.0	239.9	5.2	26.6	-	-	-	-	-	
1/24/2002	LWA	12:56 PM		5.7	60.0	329.6	860.0	90.0	178.0	190.9	3.9	11.8	5.8	6.6	1530.0	0.0	Overcast, light rain, 40's: Pipe Broken	
2/18/2002	LWA	2:55 PM		5.8	56.0	129.0	643.0	72.0	86.6	85.8	3.4	10.6	5.6	6.2	1305.0	0.1	sunny, 40's, snowcover	
3/27/2002	LWA	2:29 PM		3.4	0.0	209.0	299.0	72.0	40.8	21.8	2.3	15.6	3.8	6.8	942.0	1.2		
4/25/2002	LWA	11:11 PM		5.6	40.0	151.4	515.0	70.0	78.4	74.3	2.7	9.9	5.4	12.1	1079.0	0.6		
5/20/2002	LWA			-	-	-	-	-	-	-	-	-	-	3.6	12.1	818.0	0.8	
5/23/2002	LWA			3.3	0.0	305.8	438.0	62.0	79.5	48.0	2.2	23.5	3.7	12.1	927.0	0.2		
6/26/2002	LWA			4.5	14.0	384.0	757.0	30.0	160.0	138.3	3.5	21.6	4.6	21.2	1105.0	1.0		
7/22/2002	LWA			4.2	9.8	422.0	835.0	32.0	149.0	107.8	4.1	33.4	4.2	21.7	1208.0	1.4		
8/29/2002	LWA			3.8	0.0	430.8	905.0	82.0	164.0	162.2	4.3	36.1	4.5	20.6	1105.0	1.3		
9/25/2002	LWA	1:48 PM		4.3	12.2	556.8	983.5	48.0	191.0	146.8	4.8	41.0	4.8	16.2	1854.0	-		
10/25/2002	LWA			4.0	5.8	680.6	1258.0	50.0	241.0	211.5	4.7	44.2	4.4	11.9	1269.0	0.9		
11/25/2002	LWA	2:15 PM		3.4	0.0	489.4	923.0	80.0	177.0	117.5	5.1	42.6	-	7.4	1462.0	0.7		
12/19/2002	LWA	1:41 PM	8.53	3.2	0.0	502.4	966.0	110.0	178.0	128.0	4.4	33.5	3.9	6.2	693.0	-		
1/31/2003	LWA	1:51 PM		3.2	0.0	457.4	821.0	12.0	165.0	113.9	3.3	27.3	3.8	5.1	1410.0	0.3		

General Info				Lab Results										Field Results				
Date	Collector ID	Time	Flow	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (degrees C)	Conductivity (microS)	Dissolved Oxygen (mg/L)	Weather Conditions/ Comments	
2/24/2003	LWA	2:10 PM	19.4	3.2	0.0	311.0	485.0	42.0	110.0	68.9	2.7	20.5	3.9	3.4	1071.0	0.6		
3/13/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3/24/2003	LWA	2:45 PM	6.5	4.2	6.0	235.8	536.1	26.0	72.6	67.3	2.5	18.7	3.9	9.2	1041.0	0.1		
4/8/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5/8/2003	LWA	AM	5.93	3.0	0.0	333.6	646.2	98.0	134.0	39.3	3.4	26.9	4.2	13.6	1280.0	0.5		
5/29/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6/2/2003	LWA	PM		3.4	0.0	373.6	668.0	26.0	95.7	67.7	3.0	26.5	4.2	14.8	1236.0	0.2		
7/8/2003	LWA	AM		3.3	0.0	357.2	717.0	42.0	98.8	61.0	3.0	28.4	3.2	19.6	1056.0	0.5		
8/25/2003	LWA	AM		4.3	10.4	393.6	974.1	28.0	133.0	51.0	3.6	28.8	3.8	19.5	-	-		
9/29/2003	LWA	AM		5.1	28.0	233.4	1235.6	60.0	110.0	102.0	3.7	10.0	4.8	16.5	969.0	-		
10/27/2003	LWA	AM		4.4	12.8	331.4	735.6	56.0	117.0	94.0	3.2	23.7	5.6	11.0	756.0	-		
11/24/2003	LWA	AM		3.4	0.0	281.8	465.5	38.0	67.7	48.0	2.4	23.2	3.0	-	604.0	-		
2/23/2004	LWA			3.6	0.0	455.2	882.8	64.0	156.0	136.0	3.3	28.9	3.2	-	-	-		
3/29/2004				4.3	9.6	214.4	715.2	60.0	64.1	52.1	2.8	19.0	-	-	-	-		
4/29/2004	cjw	AM		3.2	0.0	403.4	882.3	16.0	110.0	79.0	3.7	35.4	-	-	-	-	Sun/clouds - warm	
5/24/2004	cjw	AM		4.4	15.4	440.4	1023.2	64.0	176.0	180.3	3.7	27.3	-	-	-	-	Overcast, clouds & cool	
6/25/2004				4.5	17.4	356.4	959.0	68.0	160.0	144.8	3.8	24.7	-	-	-	-	Rain, rain past days	
7/26/2004	cjw	9:05am	NA	4.7	15.2	318.8	869.5	68.0	122.0	-	3.7	22.5	3.2	-	-	-	1.4 Sunny, warm, SAPS 1 still high	
8/23/2004	CJW			3.4	0.0	442.2	996.4	22.0	106.0	112.2	3.6	33.8	3.4	20.6	-	-	2.0 Hurricane Ivan last Week, drizzle, 65 degrees F outside	
9/28/2004	CJW, JMH	8:25 AM		4.3	9.6	319.6	711.8	16.0	90.7	94.6	3.0	23.9	4.3	16.7	-	-	1.4 Sunny, clear	
10/27/2004	JMH, BDB	1:45 PM		4.5	15.4	327.0	791.1	44.0	105.0	122.1	3.2	21.9	4.7	12.0	320.0	2.5	Drizzle, 50 degrees, Filled AI	
11/22/2004	JMH, BDB	9:00 AM		5.0	22.6	255.8	838.3	90.0	110.0	133.6	3.2	15.4	5.3	9.3	414.0	-	0.5 Slag bed up	
12/17/2004	JMH, CJW	9:00 AM		4.8	17.4	166.0	782.7	84.0	63.7	66.6	3.0	13.7	5.1	6.5	-	-	1.2	
1/25/2005	JMH, CJW	9:00 AM		3.1	0.0	350.8	556.2	46.0	93.3	ns	2.6	23.2	3.7	5.8	-	-	3.2	
3/8/2005	JH, CW	9:00 AM		4.5	12.0	185.8	660.6	78.0	65.8	ns	2.4	13.3	4.7	5.9	1090.0	-	2.2	
3/31/2005	JH, CW	9:00 AM		5.6	47.2	106.8	843.7	60.0	65.0	ns	2.5	8.7	5.4	8.3	-	-	-	
5/26/2005	CW, JH, VP	AM		-	-	-	-	-	-	ns	-	-	-	-	-	-	-	
6/30/2005	CW, VP	am		4.5	12.4	410.2	613.0	506.0	254.0	ns	3.5	73.7	4.4	20.0	-	-	0.9 Cloudy, light drizzle	
9/1/2005				4.5	14.8	480.0	956.4	30.0	134.0	157.0	3.8	29.0	4.5	18.9	1709.0	-	1.2 Cloudy, light drizzle	
10/3/2005	SH, AL			4.4	12.4	526.0	973.8	18.0	164.0	ns	4.4	38.3	4.3	17.2	1223.0	-	1.2 Cloudy, light drizzle	
1/17/2006	AL, DB	am		3.9	0.0	395.4	859.1	-	ns	ns	ns	ns	4.3	7.7	1134.0	-	- Cloudy, light drizzle	
2/23/2006	AI, SH	pm		ns	-	-	-	-	-	-	-	-	-	-	-	-	- no outflow into SAPS1 - Sunny	

SAPS1	General Info			Lab Results										Field Results			
Date	Collector ID	Time	Flow	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (degrees C)	Conductivity (microS)	Dissolved Oxygen (mg/L)	Weather Conditions/ Comments
3/22/2006	AL, SH	pm		ns									-	-	-	-	no outflow into SAPS1 - cold & misty
4/24/2006	SH, CJ	am		2.9	0.0	507.8	649.6	8.0	79.2	ns	2.5	34.5	2.9	13.7	13.4	-	Cloudy, light drizzle
7/20/2006	SH, CJ	am	4.54	2.8	0.0	493.6	826.9	60.0	107.7	ns	3.1	33.1	2.9	21.4	1515.0	0.3	Sunny-very humid
9/6/2006	SH, CJ	am	4.35	3.0	0.0	412.0	746.4	74.0	99.9	ns	2.7	24.6	3.2	16.2	na	0.7	Partly cloudy - rain night before & several days prior
10/31/2006	SH, CJ	am	4.69	3.0	0.0	279.0	590.7	62.0	82.6	ns	3.3	25.8	3.5	8.5	1358.0	0.6	Partly Cloudy
1/22/2007	SH, CJ	am	3.4	4.6	11.2	166.0	783.4	12.0	52.9	ns	2.5	16.1	4.9	6.2	1300.0	0.8	Hazy, Snow
5/23/2007	SH, CJ	am	5.27	3.7	0.0	331.4	709.4	22.0	114.0		2.7	24.2	3.8	14.5	1265.0	0.9	Sunny, humid
7/26/2007	SH, CJ	am	4.2	2.9	0.0	397.8	935.8	142.0	140.5	ns	4.2	32.7	4.2	19.3	1533.0	1.3	Sunny - no recent rain
11/13/2007	SH, CJ	am	3.7	3.1	0.0	453.4	714.3	64.0	137.0	ns	3.9	32.6	3.3	9.6	1578.0	1.1	Sunny, rain few days prior - mid 50's
1/28/2008	CJ, DB	am	6.1	3.0	0.0	461.8	684.8	42.0	124.0	ns	3.3	33.6	3.0	10.3	1233.0	0.3	Snow, sunny, mid 40's
4/21/2008	CJ, JJ	am	4.76	2.9	0.0	320.2	570.5	58.0	73.0	ns	2.7	26.2	1.8	14.2	1250.0	1.0	Cloudy, recent rain 60's Conductivity meter may not be working correctly
7/28/2008	CJ, AB	am	ns	4.0	3.2	303.0	677.7	34.0	109.0	ns	3.0	27.5	3.8	21.1	1251.0	0.9	Sunny, high 70's
10/29/2008	SH, CJ	am	2.87	3.2	0.0	568.6	969.2	38.0	170.0	ns	3.8	37.5	3.1	10.5	1636.0	0.7	Snow flurries, 30's
		Average	6.0	4.2	15.4	321.7	733.5	71.9	117.4	97.3	3.4	23.2	4.1	12.8	1142.1	0.9	
		Standard II	4.1	1.0	25.9	154.5	249.0	80.5	61.2	64.2	0.9	12.6	0.8	5.5	378.8	0.7	

SAPS2		General Info			Lab Results mg/L								Field Info					
Date	Collector ID	Flow	Time	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (degrees C)	Conductivity (microS)	Dissolve Oxygen (mg/L)	Weather	
8/5/1997	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11/19/97	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12/18/97	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
01/20/98	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
04/07/98	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05/06/98	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
06/08/98	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
07/08/98	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
08/11/98	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
09/15/98	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
01/28/99	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
07/06/99	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12/17/99	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
02/15/00	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
09/25/01	LWA			6.60	60.00	0.00	622.00	14.00	0.81		2.77	0.50	-	-	-	-	-	
10/19/2001	LWA			6.40	62.00	0.00	627.60	3.00	0.30		1.20	0.50	-	-	-	-	-	
11/13/01	LWA			6.60	62.00	0.00	824.00	28.00	0.78	0.12	1.52	0.20	-	-	-	-	-	
12/18/2001	LWA			5.00	13.20	61.00	605.00	18.00	6.34	6.11	5.14	3.09	-	-	-	-	-	
1/24/2002	LWA		12:18 PM	5.60	20.00	47.00	427.00	22.00	7.09	6.20	2.86	0.95	5.80	2.70	873.00	5.14	Overcast, light rain, 40's	
2/18/2002	LWA		2:32 PM	6.30	34.00	7.80	329.00	14.00	0.74	0.38	1.69	0.67	6.60	5.90	749.00	7.59	sunny, 40's, snowcover. Channel thinly iced	
3/27/2002	LWA		2:07 PM	4.60	10.00	71.60	155.00	2.00	0.73	0.21	1.17	3.83	5.00	5.20	348.00	7.32		
4/25/2002	LWA		10:54 AM	5.30	12.80	14.20	252.00	2.00	0.22	0.20	1.52	0.44	5.20	11.10	607.00	3.23		
5/20/2002	LWA			-	-	-	-	-	-	-	-	-	-	5.10	287.00	-	-	
5/23/2002	LWA		10:47 AM	4.60	10.20	44.40	151.00	2.00	0.17	0.04	0.83	3.43	5.00	11.50	314.00	4.43		
6/26/2002	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7/22/2002	LWA			4.50	7.20	38.80	452.00	6.00	0.70	0.44	4.65	1.61	4.50	25.20	646.00	1.03		
8/29/2002	LWA			4.20	5.00	113.60	590.00	18.00	1.55	0.02	3.89	10.40	4.60	19.80	797.00	1.07		
9/25/2002	LWA		1:18 PM	4.10	3.80	143.60	701.60	12.00	2.86	0.56	4.69	14.00	4.40	18.30	1134.00	-		
10/25/2002	LWA			3.90	0.00	191.80	837.00	6.00	0.93	0.36	4.13	25.80	4.10	9.80	748.00	1.24		
11/25/2002	LWA		1:40 PM	3.20	0.00	198.60	626.90	14.00	10.70	0.44	3.57	24.20	-	4.90	987.00	0.72		
12/19/2002	LWA		1:09 PM	3.30	0.00	147.40	519.00	8.00	11.50	0.80	2.86	14.90	3.60	2.30	375.00	-		
1/31/2003	LWA		2:05 PM	3.40	0.00	148.00	361.00	2.00	12.10	1.39	1.91	11.60	3.70	0.90	311.00	7.81		
2/24/2003	LWA		2:44 PM	3.70	0.00	97.80	245.00	12.00	6.43	1.71	1.49	6.62	4.30	1.00	641.00	7.06		
3/13/2003	Not Sampled			-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3/24/2003	LWA		2:21 PM	4.50	7.60	57.60	245.00	2.00	0.33	0.06	1.09	4.27	-	-	-	-	-	

SAPS2	General Info			Lab Results mg/L										Field Info				
	Date	Collector ID	Flow	Time	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (degrees C)	Conductivity (microS)	Dissolve Oxygen (mg/L)	Weather/Comments
4/8/2003	Not Sampled																	
5/8/2003	LWA			AM	4.00	2.60	92.40	320.00	6.00	0.36	0.02	1.82	7.67	4.90	11.40	489.00	5.40	
5/29/2003	7485751		20		3.80	0.00	111.20	263.00	2.00	1.81	0.82	1.29	8.88	-	-	-	-	
6/2/2003	LWA			PM	3.80	0.00	99.00	261.00	4.00	0.76	0.33	1.37	6.77	3.80	15.50	647.00	8.84	
7/8/2003	LWA				3.70	0.00	111.80	384.50	16.00	4.82	2.13	1.87	9.79	-	-	-	-	
8/25/2003	LWA				4.00	1.20	105.00	362.00	8.00	3.92	1.18	1.70	7.95	3.50	22.50	564.00	2.90	
9/29/2003	LWA			AM	4.10	3.40	94.60	370.50	6.00	2.43	1.61	1.57	7.79	4.50	16.40	-	-	OVERCAST, 50s
10/27/2003	LWA			AM	4.60	9.20	80.80	378.10	2.00	87.70	20.00	1.64	19.70	5.90	10.00	470.00	-	
11/24/2003	LWA			AM	3.80	0.00	83.80	223.10	10.00	1.40	0.30	1.12	7.07	3.20	-	344.00	-	
2/23/2004	LWA				3.40	0.00	119.80	294.00	8.00	9.87	0.42	1.48	10.08	2.70	-	-	-	
3/29/2004					3.90	0.80	63.60	275.30	4.00	0.84	0.06	1.02	5.71	-	-	-	-	
4/29/2004	CJW			AM	3.60	0.00	93.20	306.10	<2	1.50	1.70	1.30	9.45	-	-	-	-	Sun/clouds - warm
5/24/2004	CJW			AM	3.50	0.00	112.60	442.80	<2	6.20	4.20	1.90	8.70	-	-	-	-	Overcast, clouds & cool
6/25/2004					3.50	0.00	110.00	488.60	6.00	8.69	6.80	2.29	10.10	-	-	-	-	Overcast, rain past days
7/26/2004	qjw		NA	9:15am	3.50	0.00	117.40	477.10	6.00	11.90	-	2.50	10.20	4.50	-	-	-	Sunny, warm, box still broken
8/23/2004	CJW				3.30	0.00	177.80	533.90	16.00	11.40	3.50	2.30	17.70	2.80	22.40	-	2.50	Hurricane Ivan last week, drizzle, 65 degrees F
9/28/2004	CJW, JMH			8:25 AM	3.6	0.0	71.4	247.8	3.0	1.4	0.9	1.1	6.0	3.40	18.80	-	1.96	Sunny, clear
10/27/2004	JMH, BDB			1:45 PM	4.7	10.8	70.4	356.9	8.0	6.6	7.2	1.6	5.8	4.80	12.30	395.00	3.60	Drizzle, 50 degrees, Filled AI
11/22/2004	JMH, BDB			9:00 AM	3.6	0.0	93.0	293.0	3.0	1.7	1.0	1.5	9.0	3.70	8.50	309.00	9.61	med up
12/17/2004	JMH, CJW			9:00 AM	3.6	0.0	65.0	223.4	3.0	1.5	0.7	1.0	5.6	-	-	-	-	8.4
1/25/2005	JMH, CJW			9:00 AM	4.4	6.2	56.0	181.7	3.0	0.6	ns	0.7	3.8	0.3	-	-	-	10.8
3/8/2005	JH, CW		14.5	9:00 AM	4.0	1.0	54.8	201.8	3.0	0.7	ns	0.7	3.7	3.2	477.0	-	-	9.8
3/31/2005	JH, CW			9:00 AM	5.0	9.0	50.2	144.3	3.0	0.3	ns	0.4	1.3	8.3	-	-	-	-
5/26/2005	CW, JH, VP			AM	-	-	-	-	-	-	ns	-	-	-	-	-	-	-
6/30/2005	CW, VP			am	5.8	17.6	55.4	288.3	30.0	28.8	ns	2.2	2.2	5.3	23.0	-	0.87	Cloudy, light drizzle
9/1/2005					3.3	0.0	155.2	672.2	<3	13.3	11.7	3.0	12.7	3.4	21.7	1467.0	0.5	Cloudy, light drizzle
10/3/2005					3.3	0.0	226.8	691.1	8.0	19.0	ns	4.0	22.3	3.2	18.2	1124.0	1	Cloudy, light drizzle
1/17/2006	AL, DB			am	3.60	0.00	94.80	331.40	-	ns	ns	ns	ns	3.70	5.10	603.00	-	Cloudy, light drizzle
2/23/2006	AL, SH			pm	4.20	5.00	74.20	94.20	<3	1.60	ns	0.44	2.60	4.30	3.30	276.00	-	Sunny
3/22/2006	AL, SH			pm	4.10	3.20	29.20	144.30	<3	1.40	ns	0.56	2.40	4.30	3.30	276.00	-	Cold, misty
4/24/2006	SH, CJ			am	4.30	5.20	51.60	157.80	<3	2.10	ns	0.57	2.30	4.20	14.40	366.00	-	Cloudy, light drizzle
7/20/2006	SH, CJ			am	3.00	0.00	236.00	491.60	<3	18.22	ns	2.24	19.52	2.80	26.10	1231.00	1.14	Sunny-very humid
9/6/2006	SH, CJ			am	2.90	0.00	262.00	505.50	6.00	13.60	ns	1.99	20.60	2.80	18.70	na	1.60	Partly cloudy - rain night before & several days prior
10/31/2006	SH, CJ			am	3.20	0.00	150.00	311.10	<3	10.32	ns	1.88	15.01	3.00	6.70	1072.00	3.17	Partly Cloudy
1/22/2007	SH, CJ			am	3.90	0.40	40.60	202.50	<3	0.55	ns	0.71	3.78	4.10	3.50	496.00	3.15	Hazy, Snow

General Info			Lab Results mg/L										Field Info				
SAPS2	Collector ID	Flow	Time	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	pH	Temperature (degrees C)	Conductivity (microS)	Dissolve Oxygen (mg/L)	Weather Conditions/Comments
5/23/2007	SH, CJ		am	3.60	0.00	78.00	280.40	6.00	3.08		1.23	7.79	3.50	17.10	673.00	1.83	Sunny, humid
7/26/2007	SH, CJ		am	3.00	0.00	237.20	737.40	22.00	12.50	ns	3.13	22.80	2.90	22.00	1495.00	1.26	Sunny - no recent rain
11/13/2007	SH, CJ		am	3.20	0.00	190.00	570.90	4.00	6.61		3.02	20.60	3.10	7.10	1390.00	3.38	Sunny, rain few days prior - mid 50's
1/28/2008	CJ, DB		am	3.10	0.00	156.00	287.80	<2	13.70		1.53	14.20	3.00	2.80	971.00	2.58	Sno, sunny, mid 40's
4/21/2008	CJ, JJ		am	3.00	0.00	134.80	288.60	<5	5.18		1.48	10.90	1.40	13.10	813.00	2.24	Cloudy, recent rain 60's Conductivity meter may
7/28/2008	CJ, AB		am	3.10	0.00	151.20	349.00	<5	10.00	ns	1.94	13.40	2.70	24.80	1046.00	0.62	Sunny, high 70's
10/29/2008	SH, CJ	ns	am	3.00	0.00	248.80	656.10	26.00	12.30	ns	2.83	26.50	2.70	8.40	1477.00	2.51	Snow flurries, 30's
			Average	4.0	6.6	103.3	390.7	9.0	7.1	2.4	2.0	9.3	4.0	23.7	671.0	3.4	
			Standard Dev	0.9	14.3	64.8	186.5	7.6	12.4	4.1	1.1	7.2	1.3	73.0	409.7	2.6	