

Friedline water sampling data
F1

8/22/2011

Friedline Input	General Info				Lab Results													Weather Conditions/Comments	
	Date	Collector ID	Flow	Time	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Sulfate (mg/L)	TSS (mg/L)	TDS (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)
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	-	986.00	-	
2/23/2004	LWA				2.8	0.0	875.4	850.2	4.0		248.0	184.0	3.5	54.1	2.60	-	-	-	
3/29/2004					2.9	0.0	749.8	825.6	6.0		190.7	19.6	3.4	45.6	-	-	-	-	

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4/29/2004	CJW	NA	AM	2.7	0.0	1009.0	969.0	8.0		268.0	138.0	4.2	65.5	-	-	-	-	
5/24/2004	CJW	NA	AM	2.7	0.0	984.8	912.1	2.0		249.0	220.3	3.6	62.3	-	-	-	-	SLAG/LIME BED OPERATING -Sun/clouds - warm
6/25/2004				2.7	0.0	922.2	755.6	2.0		281.0	224.9	3.9	58.2	-	-	-	-	Overcast, clouds & cool
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	-	-	-	Rain, rain past days
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	-	2.00	Sunny, warm
9/28/2004	CJW, JMH		8:25	2.8	0.0	812.0	785.9	3.0		199.0	172.7	3.2	47.1	3.10	12.90	-	1.15	Hurricane Ivan last week, drizzle, 65 degrees F
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	Sunny, clear
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	Drizzle, 50 degrees, Filled Al
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	-	1.1	Slag bed up
1/25/2005	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	-	2.0	
3/8/2005	CW, JH		9:00 AM	2.9	0.0	685.2	780.1	4.0		156.0	ns	2.6	34.3	3.1	8.5	156.0	2.0	
3/31/2005	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	-	3.3	
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	ns	3.6	48.5	2.9	10.8	-	0.7	Cloudy, light drizzle
9/1/2005				3.0	0.0	1001.0	1006.1	54.0		262.0	284.2	4.0	55.2	3.0	11.1	2.1	1.3	Cloudy, light drizzle
10/3/2005	SH, AL			2.9	0.0	1018.6	938.7	<3		>300		4.8	64.7	2.5	14.5	1641.0	1.5	Cloudy, light drizzle
1/17/2006	AL, DB		am	2.9	0.0	550.0	633.0	<3		ns	ns	ns	2.9	7.7	1230.0	-	-	Cloudy, light drizzle
2/23/2006	AL, SH		pm	2.9	0.0	541.2	503.0	<3		105.5	ns	2.3	29.9	3.0	10.2	1180.0	-	Sunny
3/22/2006	AL, SH		pm	2.8	0.0	546.8	641.7	<3		112.0	ns	2.5	28.9	3.0	10.2	1180.0	-	Cold, misty
4/24/2006	SH, CJ		am	2.8	0.0	573.2	664.2	4.0		124.0	ns	2.7	33.2	2.9	10.3	13.1	-	Cloudy, light drizzle
7/20/2006	SH, CJ		am	2.8	0.0	719.2	792.2	<3		165.6	ns	3.0	45.3	2.8	10.9	1617.0	0.8	Sunny-very humid
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	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	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	Hazy, Snow
5/23/2007	SH, CJ		am	2.8	0.0	605.2	614.8	14.0		142.0		2.6	37.4	2.8	13.5	1625.0	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	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	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	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	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	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	Snow flurries, 30's
10/5/2009	SH, CJ	ns	am	2.9	0.0	818.6	779.9	<5		197.6	ns	3.1	43.2	2.6	11.5	1865.0	0.8	Dry fall
7/27/2010	SH, CJ	ns	am	2.8	0.0	743.8	772.7	<5	1404.0	192.0	ns	3.2	45.0	2.5	14.1	1400.0	0.0	
11/10/2010	SH, CJ	ns	am	2.8	0.0	890.4	1316.9	10.0	1752.0	154.0	ns	2.4	34.1	2.9	9.4	1805.0	0.2	
			Average	2.9	0.0	746.8	651.3	13.9		207.8	161.4	3.5	44.1	2.9	10.9	1329.3	1.3	
			Standard D	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	