

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)	TDS (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)
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	45.60	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	185.00	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			

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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	Not Sampled			-	-	-	-	-		-	-	-	-	-	-	-	-			
5/24/2004	CJW		AM	3.80	0.00	90.40	234.00	16.00		1.60	0.48	1.70	3.20	-	-	-	-	Sun/clouds - warm		
6/25/2004				3.80	0.00	60.60	357.40	2.00		1.95	0.34	2.65	3.57	-	-	-	-	Overcast, clouds & cool		
7/26/2004	cjw		9:15am	3.90	1.00	62.80	311.70	14.00		0.99	-	2.50	2.28	3.80	-	-	-	rain, rain past days		
8/23/2004	CJW			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		
9/28/2004	CJW,JMH		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		
10/27/2004	JMH, BDB		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		
11/22/2004	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 AI		
12/17/2004	JMH, CJW		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		
1/25/2005	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			
3/8/2005	JH, CW		9:00 AM	5.5	8.8	23.6	149.1	3.0		0.3	ns	0.6	0.5	5.6	2.0	206.0	11.7			
3/31/2005	JH, CW		9:00 AM	6.0	12.6	32.6	163.2	3.0		0.3	ns	0.7	0.5	6.0	9.2	-	10.1			
5/26/2005	CW, JH, VP		AM	5.7	11.2	51.6	200.8	3.0		0.9	ns	1.4	0.5	4.7	13.8	-	-			
6/30/2005	CW, 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		
9/1/2005				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		
10/3/2005	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		
1/17/2006	AL, DB		am	6.10	13.00	22.00	102.50	ns		ns	ns	ns	ns	5.70	2.70	237.00	-	Cloudy, light drizzle		
2/23/2006	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		
3/22/2006	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		
4/24/2006	SH, CJ		am	4.20	4.20	58.60	158.00	<3		<.3	ns	0.90	2.40	4.20	13.70	358.00	-	Cloudy, light drizzle		
7/20/2006	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		
9/6/2006	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		
10/31/2006	SH, CJ	32	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		
1/22/2007	SH, CJ		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		
5/23/2007	SH, CJ	5.2	am	4.40	5.80	45.80	139.30	2.00		0.43		1.10	0.64	4.50	17.90	344.00	2.80	Sunny, humid		
7/26/2007	SH, CJ	ns	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		
11/13/2007	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 50's		
1/28/2008	CJ, DB	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		
4/21/2008	CJ, JJ	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		
7/28/2008	CJ, AB	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		
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		
10/5/2009	SH, CJ	2.7	am	3.40	0.00	159.20	506.20	<5		1.40	ns	2.50	19.50	3.10	14.00	997.00	0.30	Dry fall		
7/27/2010	SH, CJ	ns	am	3.40	0.00	47.00	233.00	6.00	420.00	2.97	ns	2.25	1.30	3.20	23.30	651.00	1.20			
11/10/2010	SH, CJ	ns	am	3.50	0.00	-1.80	645.90	10.00	696.00	6.28	ns	2.86	1.11	3.60	7.20	913.00	7.00			
			Average	4.8	18.2	61.4	319.6	13.0		3.6	0.6	2.0	5.5	4.4	12.3	602.8	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			