

LWA Master Sampling Data
Lower Saxman

8/22/2011

Lower Saxman	General Information			Lab Results															
	Date	Time	Collector	Flow (gpm)	pH	Alkalinity (mg/L)	Hot Acidity (mg/L)	Total Iron (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfate (mg/L)	Total Suspended Solids (mg/L)	Total Dissolved Solids (mg/L)	Fe loading (g/day)	Fe loading (lbs/day)	pH	Temperature (degrees C)	Conductivity (mS)
6/26/07	am	SH, CJ			6	73	12.40	31.40	29.71	3.37	<.5	391.50	8			5.8	13.5	1018	1.73
7/26/07	am	SH, CJ			5.4	19.8	32.00	31.90	32.51	3.80	<.5	369.30	8			5.8	14	1036	2.29
8/29/07	am	SH, CJ			6.3	63.4	28.40	29.10	32.13	3.24	0.612	433.40	4			5.7	14.6	1058	1.28
9/26/07	am	SH, CJ			6	72	36.40	27.10	32.79	3.11	<.5	427.00	<3			5.8	13.8	1058	1.35
10/24/07	am	SH, CJ			5.9	68.8	33.60	34.18	34.01	3.77	<.50	432.50	<3			5.8	12.8	1072	1.69
11/28/07	am	SH, CJ			6.2	72.4	8.20	32.80	34.86	3.68	<.50	375.50	<3			5.6	11.9	1081	1.3
12/17/07	am	CJ, MD			6	76.2	0.20	34.60	32.79	3.70	<.50	335.10	12			5.5	11	1075	0.27
1/28/08	am	CJ, DB			6.2	71.4	1.60	29.33	31.14	3.24	<500	382.10	10			5.5	11.6	1075	0.91
2/25/08	am	CJ, MD			6.1	78.6	1.00	31.28	31.25	3.47	<500	390.20	<3			5.6	10.9	784	3.85
3/24/08	am	CJ, MD			6	81.6	5.20	27.48	27.63	3.06	<500	357.70	<3			5.4	9.4	563	2.95
4/21/08	am	CJ, JJ			6.1	78	2.20	28.19	29.02	3.30	<.50	362.60	8			5	12	997	1.37
5/19/08	am	CJ, AB			6.1	78	3.40	28.12	29.49	3.32	<.50	348.30	<5			5.4	12.6	1071	0.83
6/25/08	am	CJ, AB			6	80.4	-2.40	28.55	29.28	3.35	<500	312.30	12			5.4	13.5	1068	0.84
7/28/08	am	CJ, AB			6.2	76.8	-16.60	28.09	30.07	3.14	<.50	389.60	<5			5.4	13.5	1060	1.74
8/27/08	am	CJ, SH			6.1	76.2	2.40	30.02	31.28	3.40	<.50	352.70	<5			5.4	13.3	1063	0.74
9/29/08	am	CJ, SH			6.1	74.4	-5.20	31.55	31.41	3.55	<.50	380.30	<5			5.2	13.1	1080	0.86
10/29/08	am	SH, CJ			6.2	74.2	12.60	30.97	33.71	3.45	<.5	429.50	8			5.4	11.9	1090	0.82
12/18/08	am	SH, CJ			6.1	75.2	6.00	32.70	34.10	3.70	<.5	431.50	<5			4.8	12.5	1093	0.83
3/30/09	am	SH, CJ			6.2	78.4	0.20	30.90	30.90	3.40	0.700	389.90	6			4.9	12.2	1062	0.54
4/27/09	am	SH, CJ			6.1	81.4	-3.80	29.70	30.80	3.20	<.5	351.70	10			5.4	13.7	1069	0.78
6/24/09	am	SH, CJ			6.5	72.8	-9.20	29.20	30.40	3.20	<.5	319.70	8			6	14.4	1060	0.9
10/5/09	am	SH, CJ			6.2	77.4	1.20	27.10	32.60	2.90	<.5	342.00	16			5.7	13	1068	0.48
3/24/10	am	SH, CJ			5.97	76.2	-2.40	35.70	29.90	3.68	<.5	368.40	<5	754		5.9	12.4	1064	0.08
6/28/10	am	SH, CJ			6.5	36.2	22.40	32.00	32.10	3.40	<.5	386.90	<5	824		5.8	13.7	1067	0
7/27/10	am	SH, CJ			6.3	67.6	4.20	33.80	35.90	3.62	<.5	375.90	<5	874		5.8	14.4	1063	0
11/9/10	am	GLHS			6	63.6	-2.80	31.90	33.50	3.40	<.5	400.20	6	838					
2/9/11	am	GLHS			6.2	82.8	-2.20	34.80	32.50	3.64	<.5	400.40	20	842					
3/8/11	am	GLHS			6.2	84.6	-2.40	33.10	32.90	3.41	<.5	381.10	<5	792					
4/7/11	am	GLHS			6	86.8	-3.40	32.20	31.30	3.36	<.5	375.50	14	914					
5/24/11	am	GLHS			6.4	77.8	-4.60	30.20	30.20	3.20	<.5	336.80	<5	818					
Lower Saxman	Average	1817.5	5.9	64.2	41.8	36.5	36.0	4.0	0.5	434.5	5.9		416973.7	919.4	5.6	12.4	991.0	1.4	
	St. Dev.	229.8	0.2	11.2	33.3	8.2	7.2	0.8	0.1	75.3	3.6		162990.9	359.4	0.2	1.1	144.7	1.0	
	Min	1574.0	5.4	19.8	-16.6	21.2	15.6	2.8	0.3	312.3	2.0		0.0	0.0	5.0	9.4	563.0	0.0	
	Max	2425.0	6.4	81.6	102.2	53.7	64.9	5.9	0.8	616.0	14.0		637023.3	1404.6	6.3	15.0	1300.0	3.9	

Lat - N40.3245 - Long - W79.36882

Field Results	
	Weather Conditions/ Comments
	Sunny, Humid
	Sunny, no recent rain
	Sunny, high rainfall in August
	Sunny, no recent rain
	Very low, light rain, lower 50's
	Several days of rain, mid 30's, sunny
	Several days of rain, mid 20's, snow
	Snow, Sunny, mid 40's
	Recent snow, low 40's
	Cloudy, low 40's
	Cloudy, 60's recent rain
	Cloudy, mid 50's, recent rain
	Sunny, Upper 70's
	Sunny, high 70's
	Sunny, 70's, no rain for several weeks
	Sunny, 60's
	Snow flurries, 30's
	Upper 30's, recent rain and snow
	recent rain, high 70s
	dry fall
