

LWA Master Sampling Data  
Upper Saxman

8/22/2011

Upper 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 (m S)	Dissolved Oxygen (mg/L)
7/31/98		Americorps	NA	4.5	9.80	42.00	32.30	38.30	4.42	0.88	512.00	3							
7/9/99		Americorps	NA	5.3	24.00	62.00	33.20	38.80	4.94	2.34	549.00	10							
6/13/00		Americorps	NA	5.5	40.00	56.00	38.20	NA	5.04	2.02	457.00	4							
8/31/00		Americorps	NA	5.4	38.00	66.00	47.10	43.10	4.94	1.91	473.00	4							
10/26/00		Americorps	NA	5.3	32.00	68.00	45.60	48.80	5.44	2.38	599.00	20							
1/11/01		DEP	920	5.4	36.00	66.00	52.40	49.50	5.87	2.28	403.00	4		262,734.00	579				
4/9/01		DEP	3738	5.5	44.00	58.00	43.40	36.00	5.17	1.90	486.00	18		884,149.00	1950				
9/24/01		LWA	NA	5.1	26.00	90.00	44.00	40.50	5.74	3.01	392.00	2							
10/19/01		LWA	NA	5.2	24.00	109.00	41.90	NA	5.65	3.31	604.00	8							
11/14/01		LWA	188	5.2	22.00	117.40	47.90	47.90	5.90	3.09	543.00	14		49,078	108	4.5	12.4	886	
12/19/01		LWA	326	5.2	28.00	116.40	51.90	45.88	6.30	2.82	529.00	2		92,211	203	5.3	12.5	883	0.6
1/25/02	11:14 AM	Americorps	196	5.4	30.00	126.40	50.70	32.50	5.80	2.33	570.00	10		54,158	119	5.2	12.3	1154	1.26
2/19/02	12:14 PM	Americorps	563	5.4	34.00	116.60	50.20	54.60	5.90	1.98	495.00	12		154,031	340	5.4	12.5	1063	0.8
3/25/02	11:04 AM	Americorps	1812	5.5	44.00	101.20	54.40	42.70	4.83	1.55	470.00	14		537,222	1185	5.6	12.6	1108	0.54
4/24/02	11:09 AM	Americorps	1574	5.6	44.00	85.60	51.00	49.71	5.20	1.60	575.00	2		437,493	965	5.6	12.6	1074	0.86
5/28/02	12:13 PM	Americorps	2695.2	5.6	50.00	140.60	48.40	45.70	5.00	1.67	466.00	2		710,940	1568	5.6	12.7	1030	1.01
6/25/02	2:35 PM	Americorps	2060	5.4	40.00	93.60	46.90	42.83	5.43	2.15	636.00	4		526,546	1161	4.9	12.6	1003	1.25
7/23/02	11:05 AM	Americorps	1008	5.4	32.00	101.80	44.10	35.01	5.89	2.48	649.00	12		242,268	534	5.3	12.6	910	1.55
8/30/02	10:30 AM	Americorps		5.4	26.00	98.20	45.00	18.78	5.96	2.69	615.00	10				5.1	12.6	933	1.54
9/26/02	1:00 PM	Americorps	403	5.2	22.00	120.80	45.50	38.83	6.02	3.58	604.70	20		99,934	220	5.1	12.5	1168	
10/24/02	1:35 PM	Americorps	563	5.3	26.00	105.60	45.60	44.63	5.87	2.76	710.00	6		139,917	309	5.1	12.5	1214	0.77
11/26/02	11:52 AM	Americorps	1216	5.5	32.00	105.60	50.00	39.48	5.74	2.37	580.00	4		331,360	731	5.2	12.1	963	0.72
12/20/02	11:39 AM	Americorps	4744	5.5	36.80	102.00	49.30	45.45	5.37	1.91	602.00	2		1,274,642	2811	5.1	12.4	632	
1/30/03	1:35 PM	Americorps	1482	5.5	42.20	90.20	47.70	39.77	5.16	1.72	554.00	6		385,268	850	5.2	12.6	1165	0.73
2/25/03	12:00 PM	Americorps	3146	5.6	44.00	90.80	48.20	48.17	5.12	1.76	537.00	2		826,423	1822	5.3	12.6	1295	0.96
3/25/03	10:25 AM	Americorps	2163	5.6	42.60	90.20	46.80	45.00	4.86	1.77	578.00	2		551,695	1216	4.8	12.6	1056	0.87
5/12/03	pm	Americorps	1813	5.6	37.60	77.00	38.80	29.00	5.48	2.15	559.00	8		383,377	845	5.8	12.5	1126	1.6
6/3/03	pm	Americorps	1612	5.5	37.20	93.20	38.70	34.44	5.16	2.14	497.00	2		339,995	750	6.1	12.6	1087	0.85
8/25/03	pm	LWA	2045	5.7	47.80	77.00	36.10	16.07	4.80	1.58	477.20	2		402,344	887	5.5	12.7	755	0.86
11/24/03	pm	LWA	3737.23	5.8	53.80	69.20	41.20	41.26	4.26	1.38	431.70	14		839,158	1850	5.2			
2/23/04	pm	LWA	3145.55	5.7	46.60	62.00	34.90	35.50	4.66	1.53	485.40	10		598,299	1319	5			
5/24/04	pm	LWA												-	0				
8/23/04		New Site		5.6	43.40	53.40	32.50	37.90	4.76	1.61	517.50	6							
12/17/04	am	CW,JH		5.8	43.20	64.40	28.30	37.45	4.11	1.31	515.20	3				5.4			
5/9/05	am	CW,JH,VP	5820	5.9	43.80	56.20	26.30	29.14	4.21	1.38	494.00	6		834,210	1839	4.9			
6/30/05	am	CW,VP		5.7	37.20	69.40	31.10	30.37	4.91	1.76	448.70	3				5.4			
11/8/05		SH,AL		5.5	33.20	98.40	34.60	40.81	4.49	1.30	638.70	32				5.2	12.5	845	1.65
12/29/05		SH,AL		5.7	43.00	85.20	42.30	41.30	5.50	1.58	533.90	4				5.3	12.5	812	1.62
1/17/06		SH,AL		5.9	48.80	73.60	38.00	37.60	4.70	1.50	553.90	<3				ns	12.5	815	ns
2/13/06		SH,AL		5.9	49.60	46.20	37.80	39.20	4.80	1.40	459.90	22				5.5	12.3	834	ns
3/21/06		AL		5.9	43.00	52.80	35.20	33.70	5.10	1.60	484.20	6				5.3	12.5	1001	ns
4/24/06	pm	SH,CJ	5730.00	5.7	43.20	69.40	28.80	ns	4.30	1.50	537.90	4		899,381	1983	5.4	12.5	1032	ns
5/30/06	am	SH,CJ	5730.00	5.7	45.80	49.00	31.30	34.76	4.84	1.41	561.80	6		977,452	2155	5.5	12.1	1007	2
6/28/06	am	SH,CJ	6033.00	5.8	40.40	47.40	31.30	33.95	4.50	1.50	540.10	<3		1,029,139	2269	5.7	12.6	1020	1.84
7/20/06	am	SH,CJ	5955	5.8	41.20	42.80	30.63	34.13	4.49	1.35	471.70	<3		994,186	2192	5.5	12.7	1054	1.75
8/24/06	am	SH,CJ	4827	6	42.40	41.40	34.49	34.94	5.12	1.62	500.10	<3		907333.6035	2000.671	5.5	12.6	1020	1.9
9/25/06	am	SH,CJ	6183	6.1	48.20	34.40	25.30	33.86	3.76	0.95	437.80	6		852542.955	1879.857	5.5	12.2	NA	1.77
10/31/06	am	SH,CJ	6909	5.9	45.20	37.80	32.66	34.25	4.75	1.43	424.80	<3		1229781.273	2711.668	5.2	12.2	1126	2.05
11/15/06	am	SH,CJ	6183	5.8	48.80	41.40	31.10	33.20	4.62	1.29	462.80	3		1047987.585	2310.813	5.3	12.4	1120	1.7

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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 (m S)	Dissolved Oxygen (mg/L)
12/13/06	am	SH, CJ	6183	5.8	47.60	69.40	28.10	32.24	4.03	1.24	447.00	8		946895.535	2087.905	5.7	12.4	1040	1.7
1/22/07	am	SH, CJ	6909	5.9	49.80	27.40	28.09	32.46	4.15	0.77	501.90	<3		1057551.648	2331.901	6	12.3	1086	1.97
2/22/07	am	SH, CJ	5430	5.8	48.00	38.00	28.40	30.45	43.00	1.13	426.90	6		840455.4	1853.204	5.7	12.4	1086	1.34
5/23/07	am	SH, CJ	5277	5.7	46.80	55.40	27.00	29.03	2.99	<5.0	484.80	<3		776510.55	1712.206	5.6	13	901	2.2
6/26/07	am	SH, CJ	3343	5.7	45.00	42.80	28.40	28.81	4.17	1.02	472.80	10		517429.54	1140.932	5.6	12.5	1035	1.68
7/26/07	am	SH, CJ	2800	5.7	34.80	50.80	29.80	31.81	4.58	1.16	443.50	<3		454748	1002.719	5.3	1.8	1061	1.7
8/29/07	am	SH, CJ	6333	6	43.40	49.20	28.80	32.42	3.95	1.75	496.80	8		994027.68	2191.831	5.6	12.7	1044	2.2
9/26/07	am	SH, CJ	3924	5.7	45.00	65.60	27.80	33.25	4.03	1.09	520.40	<3		594525.24	1310.928	5.5	12	1117	1.65
10/24/07	am	SH, CJ	2880	5.6	42.80	60.80	34.83	34.22	4.93	1.35	552.30	<3		546691.68	1205.455	5.3	12.2	1110	2.02
11/28/07	am	SH, CJ	3474	5.8	42.60	47.40	33.20	35.38	4.72	1.28	431.30	<3		628585.56	1386.031	5.2	12.5	1093	2.54
12/17/07	am	CJ, MD	ns	5.9	53.80	33.80	31.50	33.24	4.19	1.14	475.80	12		0	0	5.1	10.8	1082	0.29
1/28/08	am	CJ, DB	7060	5.8	47.20	32.40	29.08	31.50	4.09	1.19	453.10	<3		1118718.775	2466.775	5.2	12.7	1084	1.61
2/25/08	am	CJ, MD	7539	5.8	51.20	28.40	29.14	29.89	4.23	1.18	469.30	<3		1197250.119	2639.937	5.1	10.8	1086	1.83
3/24/08	am	CJ, MD	7650	5.8	53.80	24.80	25.81	23.69	3.82	1.10	414.60	<3		1075874.963	2372.304	4.8	14	936	2.13
4/21/08	am	CJ, JJ	7200	5.8	48.60	26.00	25.94	28.47	4.13	1.09	439.20	10		1017846.36	2244.351	4.7	11.5	739	1.65
5/19/08	am	CJ, AB	8280	5.8	50.60	28.40	25.61	27.66	4.11	1.12	409.90	<5		1155767.112	2548.466	5.1	12.5	1067	1.84
6/25/08	am	CJ, AB	6909	5.8	52.20	27.20	26.41	28.53	4.12	1.09	406.50	14		994594.0767	2193.08	5.2	13.5	1068	0.84
7/28/08	am	CJ, AB	4827	5.8	49.60	22.20	26.71	27.77	3.97	1.05	477.00	<5		702532.4408	1549.084	5.1	12.6	1059	1.07
8/27/08	am	CJ, SH	2750	5.7	46.40	35.40	29.58	30.14	4.49	1.23	460.60	<5		443345.2375	977.5762	5	12.6	1075	1.22
9/29/08	am	CJ, SH	1980	5.8	43.80	33.60	30.25	30.82	4.47	1.19	488.80	<5		326460.123	719.8446	4.9	12.5	1068	1.14
10/29/08	am	SH, CJ	1600	5.7	41.80	48.00	30.01	33.07	4.33	1.18	505.80	<5		261687.2	577.0203	4.9	12.4	1100	1.27
12/18/08	am	SH, CJ	3180	5.7	44.20	37.20	32.70	33.00	4.60	1.14	533.00	<5				4.9	12.4	1106	1.26
3/30/09	am	SH, CJ	4800	5.9	48.60	32.40	30.50	31.30	4.40	1.25	468.40	8				4.9	12.4	1040	0.46
4/27/09	am	SH, CJ	5580	5.8	51.40	28.20	28.90	29.50	4.10	1.04	430.60	12				4.9	12.5	1068	0.67
6/24/09	am	SH, CJ	6700	6.3	45.20	16.80	28.70	29.90	4.10	1.07	418.80	8				5.8	12.8	1017	1.3
10/5/09	am	SH, CJ	1750	5.7	47.40	37.40	27.20	33.10	3.90	0.92	445.40	12				5.4	12.7	1079	0.49
3/24/10	am	SH, CJ	ns	5.76	54.20	23.40	36.00	32.10	4.68	0.93	484.50	28	782			5.8	12.5	990	0
6/28/10	am	SH, CJ	ns	6.2	31.00	32.20	30.00	32.20	4.27	1.15	488.30	<5	902			5.5	12.6	1020	0
7/27/10	am	SH, CJ	ns	6	47.00	35.40	33.80	34.80	4.81	1.13	463.20	<5	922			5.3	12.6	1096	0.57
11/9/10	am	SH, CJ	ns	5.7	41.20	42.80	33.80	34.90	4.65	1.11	492.80	<5	984						
2/9/11	am	GLHS	ns	5.9	51.80	34.40	35.60	33.40	4.68	1.06	511.10	8	906						
3/8/11	am	GLHS	ns	6	58.20	24.40	36.30	34.10	3.26	<.5	537.00	<5	892						
4/7/11	am	GLHS	ns	5.8	56.60	25.20	31.80	29.50	4.34	1.18	447.60	<5	896						
Upper Saxman	Average		5369.6	5.8	45.5	47.6	30.4	32.7	5.4	1.3	482.6	9.2		814117.0	1795.1	5.3	12.1	1018.9	1.7
	New Site	St. Dev.	1808.8	0.1	4.7	17.9	3.9	3.9	6.4	0.2	49.9	7.3		304446.0	671.3	0.3	1.9	102.8	0.4
		Min	1600.0	5.5	33.2	22.2	25.3	23.7	3.0	0.8	406.5	3.0		0.0	0.0	4.7	1.8	739.0	0.3
		Max	8280.0	6.1	53.8	98.4	42.3	41.3	43.0	1.8	638.7	32.0		1229781.3	2711.7	6.0	14.0	1126.0	2.5

Lat - N40.3245 - Long - W79.36882

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Upper Saxman

8/22/2011

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Field Results	
	Weather Conditions/ Comments
Partly Sunny	
Hazy, Snow	
Hazy, Snow/sleet	
Sunny - Humid	
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	
recent rain, high 70s	
dry fall	

Field Results
Weather Conditions/ Comments

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