

LWA Master Sampling Data.xls
Crabtree

2/2/2010

Crabtree	General Information			Lab Results										Field 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)	Fe loading (g/day)	Fe loading (lbs/day)	pH	Temperature (degrees C)	Conductivity (m S)	Dissolved Oxygen (mg/L)	Weather Conditions/ Comments
01/27/89		Americorps	NA		6.1	126	94	94.20	NA	3.30	3.300	942	38							
01/17/90		Americorps	NA		6.2	126	56	92.30	NA	3.40	4.56	810.000	38							
02/09/93		Americorps	NA		6.4	132	26	72.90	NA	2.70	1.910	912	9							
04/15/93		Americorps	NA		6.1	106	56	77.70	NA	2.80	1.930	1086	22							
06/15/94		Americorps	NA		6.3	138	32	78.00	NA	2.50	0.900	778	4							
03/09/95		Americorps	NA		6.2	140	32	67.10	NA	3.00	2.240	745	4							
12/27/95		Americorps	NA		6.2	158	62	85.20	NA	3.20	0.500	934	3							
03/19/96		Americorps	NA		6	112	110	62.70	NA	3.20	3.180	830	12							
02/26/98		Americorps	9115			141	12	67.00	NA	NA	1.700	NA	NA	3,328,342.3	7,339.0					
08/31/00		Americorps	NA		6	146	0	74.60	70.70	2.60	1.450	331	6							
10/26/00		Americorps	NA		6.1	154	0	67.70	71.10	2.70	1.500	797	26							
01/11/01		Americorps	1000		6.1	158	0	81.50	75.60	2.90	1.520	380	26	444,175.0	979.4					
04/09/01		Americorps	6348		6.1	146	1.8	71.10	63.80	2.80	1.780	732	38	2,459,818.3	5,423.9					
06/27/01		DEP	3450		6.1	154	28.6	84.60	86.30	2.60	0.990	747	482	1,590,691.5	3,507.5					
08/29/01		Americorps	2435		6	166	19	80.40	NA	2.40	0.660	902	18	1,066,968.3	2,352.7					Fecal coliform 440/100ml
09/24/01		LWA	NA		6.1	166	30	79.40	80.00	2.60	0.670	587	8							
10/19/01		LWA	NA		6.2	170	33	77.30	NA	2.40	0.540	842	6							
11/14/01	12:25 PM	LWA	1692		6.2	166	34.6	88.20	46.10	2.40	0.450	881	18	813,327.5	1,793.4	5.9	13.3	1463		Sunny 60's
12/19/01	2:45 PM	LWA	1813		6.1	164	42	84.50	93.90	2.80	0.690	840	16	834,931.8	1,841.0	5.3	13.2	1447	0.16	Clear, 40-50's
01/25/02	12:00 PM	Americorps	1692		6.2	160	60.8	89.10	92.43	3.00	0.967	882	20	821,626.7	1,811.7	5.9	13.2	2020	0.25	
02/19/02	1:45 PM	Americorps	2319		6.3	162	24.4	85.60	94.50	3.40	1.240	766	28	1,081,859.9	2,385.5	6.1	13.1	1788	0.39	Clear, 40-50's
03/25/02	1:15 AM	Americorps	3738		6.1	150	33.4	71.00	63.88	3.60	2.790	789	28	1,446,419.1	3,189.4	5.9	12.9	1713	0.70	Cloudy, 40's
04/24/02	1:00 PM	Americorps	5680		6.0	142	32.8	64.80	64.30	3.00	2.140	711	34	2,005,948.8	4,423.1	5.9	13.1	1596	0.94	
05/28/02	1:40 PM	Americorps	6025		6.0	128	68.2	79.60	68.58	3.23	2.820	755	20	2,613,765.5	5,763.4	5.8	13.1	1565	2.12	Aluminum staining on walls
06/25/02	1:30 PM	Americorps	4486		6.0	138	64.8	84.80	75.17	2.79	1.610	907	4	2,073,249.8	4,571.5	5.5	13.2	1550	1.40	
07/23/02	12:55 PM	Americorps	2862		6.1	150	47.4	85.50	77.95	2.76	1.260	848	16	1,333,620.5	2,940.6	5.3	13.1	1476	0.93	
09/26/02	1:31 PM	Americorps	1960		6.2	156	62.4	87.60	77.75	2.67	0.655	963	10	935,743.2	2,063.3	6.0	13.5	1768		
10/24/02	11:01 AM	Americorps	1216		6.1	160	52.6	88.40	85.64	2.47	0.554	833	20	585,844.5	1,291.8	5.8	13.2	1823	1.21	
11/26/02	12:51 PM	Americorps	1960		6.1	164	47.2	78.60	78.07	3.26	1.440	999	8	839,605.2	1,851.3	5.7	13.1	1427	0.80	
12/20/02	12:57 PM	Americorps	3146		6.1	155	33.0	70.10	61.70	3.76	2.560	816	22	1,201,837.2	2,650.1	5.6	12.8	1046		
01/30/03	12:20 AM	Americorps	4232		6.0	147	61.2	70.40	57.70	2.83	1.850	871	22	1,623,733.8	3,580.3	5.5	13.1	1769	0.46	
02/25/03	1:13 PM	Americorps	3859		6.1	146	32.8	68.30	56.60	3.40	2.980	795	12	1,436,454.9	3,167.4	5.8	12.9	1926	0.73	
03/25/03	12:17 PM	Americorps	5955		6.1	142	52.6	77.30	79.30	2.76	1.750	873	10	2,508,752.2	5,531.8	7.1	13.2	1802	0.86	
05/12/03	PM	Americorps	3859		6.2	147	39.0	69.20	55.41	2.90	1.532	833	12	1,455,383.3	3,209.1	5.9	13.0	1753	1.01	
06/03/03	PM	Americorps	3738		6	152	68.6	78.50	81.96	2.59	1.050	811	2	1,599,209.9	3,526.3	6.4	13.1	1740	1.37	
08/14/03	PM	Americorps	3710		6.1	144	52	80.50	72.00	2.71	1.340	886	18	1,627,669.8	3,589.0					
11/20/03	12:00pm	KCST	5491		6	131	26.4	61.70	59.07	3.90	3.500	728	24	1,846,431.1	4,071.4					
4/29/2004	4:20 PM	KCST			6.2	134	65	68.00	69.62	2.50	1.580	790.7	20	0.0	0.0					
12/17/2004	pm				6.3	151	11.2	55.20	71.01	2.46	1.530	783.6	12	0.0	0.0	6.2				
5/9/2005	pm	JH,CW,VP	3774		6.3	146	25.2	66.00	69.54	2.32	0.892	751.9	14	1,357,507.8	2,993.3					
6/30/2005	pm	CW			6.2	133.6	41	74.90	75.32	2.52	0.721	592.1	3	0.0	0.0	5.4				

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	11/8/2005		SH, AL		6.2	162.4	45.2	73.70	88.96	2.08	<.5	940.2	28	0.0	0.0	6	13.4	1607	0.9	
	1/17/2006		SH, AL	5035.5										0.0	0.0		13.0	1540		
	4/24/2006	pm	SH, CJ	2876	6.3	145	28.6	62.20	75.50	2.40	1.100	802.40	12	974,935.2	2,149.7	6.1	13.1	1480	ns	
	7/20/2006	pm	SH, CJ	3480	6	95.6	1.8	61.34	73.66	2.64	1.363	773.00	6	1,163,336.5	2,565.2	6.1	14.6	1676	0.7	Sunny - Humid
	10/31/2006	pm	SH, CJ	6290	6.2	132.2	-13.000	51.80	64.75	2.53	1.710	724.7	12	1,775,729.9	3,915.5	5.9	12.4	1730	1.27	Partly Cloudy
	1/22/2007	pm	SH, CJ	7410	6.3	129.8	-8.400	57.67	70.06	2.51	1.903	701.2	16	2,329,014.5	5,135.5	6.2	11.3	1745	1.11	Hazy, Snow
	5/23/2007	am	SH, CJ	7410	6.1	155	29.400	39.10	ns	10.30	54.500	786.7	<3	1,579,034.0	3,481.8	6	14.7	1720	1.5	Sunny - Humid Unusual Results
	7/26/2007	pm	SH, CJ	3000	5.8	46.2	8.000	67.50	73.84	2.35	<.5	785.5	ns	1,103,625.0	2,433.5	6.2	ns	1121	ns	Sunny, no recent rain
	10/24/2007	pm	SH, CJ	3900	6.2	158	16.600	68.57	74.53	2.35	0.705	800	10	1,457,455.4	3,213.7	6.4	13.1	1768	1.89	Flow very low, light rain, lower 50's
	1/28/2008	pm	CJ, DB	7457	6.3	144.4	-22.000	55.12	42.26	2.26	1.172	708.4	4	2,240,234.5	4,939.7	6	11.8	1752	1.64	Snow, sunny, mid 40's
	4/21/2008	pm	CJ, JJ	7097	6.2	152	-124.200	56.58	62.61	2.23	0.857	688.9	20	2,188,438.0	4,825.5	5.5	12.5	1527	0.83	Cloudy, 60's recent rain
	7/28/2008	PM	CJ, AB	4050	6.3	152.2	-34.600	58.48	59.60	2.13	0.792	715.7	22	1,290,711.5	2,846.0	5.9	14.0	1730	1.17	Sunny, high 70's
	10/29/2008	pm	SH, CJ	2331	6.4	160.4	-23.200	62.60	70.40	2.08	<.5	920.1	10	795,267.3	1,753.6	5.9	12.5	1854	0.92	Snow flurries, 30's
	4/27/2009	pm	SH, CJ	6012	6.3	151.2	-19.600	58.70	64.70	2.23	1.040	697.2	18			5.8	14.1	1711	0.97	recent rain
	10/5/2009	pm	SH, CJ	3150	6.3	151.2	-8.000	58.00	69.70	1.90	0.630	663.7	28			6.2	13.5	1776	1.14	dry fall

Crabtree	Average	4102.4	6.1	143.8	30.7	73.0	71.5	2.9	2.6	793.8	25.8	1329302.4	2931.1	5.9	13.1	1642.6	1.0
	St. Dev.	2009.5	0.1	20.7	35.4	11.6	11.9	1.1	7.5	129.4	67.2	777262.5	1713.9	0.4	0.7	208.7	0.5
	Min	1000.0	5.8	46.2	-124.2	39.1	42.3	2.1	0.5	331.0	2.0	0.0	0.0	5.3	11.3	1046.0	0.2
	Max	9115.0	6.4	170.0	110.0	94.2	94.5	10.3	54.5	1086.0	482.0	3328342.3	7339.0	7.1	14.7	2020.0	2.1

Lat - N40.36226 - Long -W79.46492