

LWA Master Sampling Data
West Derry-ASAX

8/22/2011

West Derry	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)	Total Dissolved 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
1/28/08	am	CJ, DB	300	2.8	0	476.6	29.737	1.83	8.814	50.879	653.7	<3		48620	107.2071	2.6	11	1810	2.12	Snow, sunny, mid 40's	
2/25/08	am	CJ, MD	415	2.8	0	464.8	30.399	2.48	8.763	49.722	778.5	<3		68754.94	151.6046	2.7	10.9	1706	2.79	Recent snow, low 40's	
3/24/08	am	CJ, MD	550	2.8	0	461.6	30.789	1.68	7.896	44.496	563.3	<3		92290.03	203.4995	2.5	10.6	1658	2.8	Cloudy, low 40's	
4/21/08	am	CJ, JJ	380	2.8	0	460	27.386	1.06	8.087	44.02	688	<3		56716.41	125.0597	1.1	9.8	942	2.48	Cloudy, 60's recent rain	
5/19/08	am	CJ, AB	560	2.8	0	408	23.84	1.37	7.941	41.908	610.8	<5		72759.68	160.4351	2.7	10.9	1260	2.33	Cloudy, mid 50's, recent rain	
6/25/08	am	CJ, AB	270	2.8	0	483.2	30.7	1.36	9.215	51.069	671.1	14		45175.05	99.61099	2.6	11.2	1550	2.28	Sunny, upper 70's	
7/28/08	am	CJ, AB	200	2.8	0	477.4	30.37	3.52	8.935	49.886	796.9	<5		33103.3	72.99278	2.6	11.3	1735	0.57	Sunny, high 70's	
8/27/08	am	CJ, SH	240	2.9	0	482.6	33.105	0.84	9.784	56.354	760	<5		43301.34	95.47945	2.6	11.2	1736	0.9	Sunny, 70's, no rain for several weeks	
9/29/08	am	CJ, SH	459	2.8	0	499	34.843	6.84	10.054	56.802	745.6	<5		87161.51	192.1911	2.4	11.4	1510	0.68	Sunny, 60's	
10/29/08	am	SH, CJ	220	2.8	0	532.4	33.7	11.6	9.3	52.4	728.7	8		40406.3	89.09589	2.5	10.9	1826	0.62	Snow flurries, 30's	
12/18/09	am	SH, CJ	700	2.8	0	502.8	34.9	17.4	10.2	54.3	928.7	<5				2.0	11.1	1814	0.86	Upper 30's, recent rain and snow	
3/30/09	am	SH, CJ	459	2.8	0	492	31.3	1.34	9.5	54.3	781.1	16				1.7	11.1	1708	0.33		
4/27/09	am	SH, CJ	515	2.8	0	450.4	27.2	2	8.3	47	705.6	8				2.2	11.1	1068	0.67	recent rain	
6/24/09	am	SH, CJ	700	2.9	0	476	29	2.23	9.4	50.1	624.3	6				2.3	11.6	1704	1.6	recent rain, high 70's	
10/5/09	am	SH, CJ	459	2.8	0	515.2	29.1	11	8.4	47.7	751	<5				2.4	11.2	1767	0.13	dry fall	
3/24/10	am	SH, CJ	459	2.8	0	503.4	33.8	0.82	10.6	62.2	752	<5	1168			2.8	11	1414	4.18		
7/27/10	am	SH, CJ	279	2.8	0	497.4	29.9	2.8	9.6	56.7	758.3	<5	1226			2.7	11.2	1642	0		
9/1/10	am	SH, CJ	130	2.8	0	465.6	30	1	9.15	52.3	730.6	<5	1216			2.7	11.2	1620	0.63		
11/9/10	am	GLHS	662	2.8	0	488.8	29.7	12.7	9.02	53.8	809.7	12	1258								
2/9/11	am	GLHS		3	0	449.4	26.3	2.18	8.85	50.2	752.5	8	1188								
3/8/11	am	GLHS		2.8	0	477.8	25.2	3.92	8.41	49.6	778.6	<5	1200								
4/7/11	am	GLHS		2.8	0	472.4	27.9	2.49	8.88	52.3	746.4	<5	1156								
5/24/11	am	GLHS		2.9	0	410.8	21.1	0.8	7.44	43.3	609.2	<5	998								
West Derry	Average		307.3	2.8	0.0	725.8	75.4	17.8	12.3	67.7	977.4	7.4		61420.6	135.4	2.9	11.1	1769.9	1.3		
	St. Dev.		151.1	0.1	0.0	236.8	54.2	28.8	3.2	21.7	200.9	4.8		66563.3	146.8	0.7	0.5	262.2	0.6		
	Min		63.0	2.7	0.0	408.0	23.8	0.8	4.0	1.2	563.3	2.0		0.0	0.0	1.1	9.8	942.0	0.2		
	Max		662.0	2.9	0.0	1212.4	197.0	131.2	18.8	115.0	1402.0	20.0		418887.0	923.6	6.3	12.8	2260.0	2.8		

56 Samples
red=higher than
purple=from army corps