

# Man-Made Reservoir Quarterly Sampling (QTYM)

## 2012 - Full Data Report

Print Date: January 30, 2013

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Station	Date	Time	Total Depth (m)	Sample Depth (m)	pH	Total Phosphorus (ug/L)	Secchi Depth (m)	5-Day BOD (mg/L)	Alkalinity (mg/L)	Specific Conductance (uS/cm)	Color (Units)	Turbidity (NTU)	DO (mg/L)	Temp (°C)										
EAU PLEINE RESERVOIR																								
EP3 1.0	01/10/2012	10:50	9.6	1.0	7.7	50	2.5	<2.0	48.0	179	25	1.3	12.7	2.3										
			9.6	2.0									10.9	2.6										
			9.6	3.0									9.2	2.8										
			9.6	4.0									7.3	3.3										
			9.6	5.0									5.7	3.7										
			9.6	6.0									7.5	3.9										
			9.6	7.0									7.1	4.1										
			9.6	8.0									6.8	4.2										
			9.6	8.6									7.4	88	<2.0	77.1	266	45	6.7	6.6	4.2			
			9.6	9.1									6.5	4.3										
9.6	9.5	5.5	4.4																					
EP3 TW	01/11/2012	14:15	0.2	0.1	7.4	57		<2.0	54.8	153	30	3.1	14.3	3.7										
	05/10/2012	11:22	0.3	0.2	7.6	78		<2.0	45.4	172	35	3.8	10.1	15.3										
	07/16/2012	13:45	0.2	0.1	8.2	180		5.5	45.1	92	127	16.9	8.7	25.9										
	10/09/2012	14:51	0.3	0.2		84		3.0	51.8	181	93	10.7	10.9	10.1										
EP3 #1	05/09/2012	9:34	11.8	1.0	7.5	72	1.4	<2.0	39.0	173	35	3.5	8.7	14.2										
			11.8	2.0									8.7	14.2										
			11.8	3.0									8.6	14.2										
			11.8	4.0									8.6	13.9										
			11.8	5.0									8.5	13.8										
			11.8	6.0									8.5	13.8										
			11.8	7.0									8.5	13.8										
			11.8	8.0									7.9	13.5										
			11.8	9.0									7.0	13.1										
			11.8	10.0									6.5	12.7										
			11.8	10.8									7.2	110	<2.0	42.0	179	35	6.9	6.4	12.6			
			11.8	11.3									6.2	12.5										
			11.8	11.7									6.1	12.5										
			07/16/2012	10:32									11.0	1.0	9.4	110	0.5	5.8	41.4	175	152	27.6	8.3	27.7
			11.0	2.0									8.1	27.6										
11.0	3.0	7.9	27.6																					
11.0	4.0	2.0	26.6																					
11.0	5.0	1.7	26.4																					
11.0	6.0	0.2	23.4																					
11.0	7.0	0.2	22.2																					

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EAU PLEINE RESERVOIR															
EP3 #1	07/16/2012	10:32	11.0	8.0									0.2	21.4	
			11.0	9.0										0.2	20.9
			11.0	10.0	7.1	290	3.3	55.6	190	107	7.8	0.2	20.7		
			11.0	10.5								0.2	20.6		
			11.0	10.9								0.3	20.6		
	10/09/2012	11:21	9.3	1.0	8.0	90	0.9	2.4	53.8	194	94	10.3	10.2	10.7	
			9.3	2.0									10.2	10.7	
			9.3	3.0									10.2	10.7	
			9.3	4.0									10.2	10.7	
			9.3	5.0									10.1	10.7	
9.3			6.0									10.1	10.7		
9.3			7.0									10.1	10.7		
9.3			8.3	8.0	89	2.2	51.6	194	90	8.7	10.1	10.7			
9.3			8.8									10.1	10.7		
9.3			9.2									9.9	10.7		
EP3 8.0	01/10/2012	12:11	6.6	1.0	7.5	62	2.1	2.2	54.8	194	30	2.2	11.3	2.9	
			6.6	2.0									10.2	3.0	
			6.6	3.0									9.4	3.2	
			6.6	4.0									9.1	3.8	
			6.6	5.0									7.6	4.1	
			6.6	5.6	7.3	120	<2.0	72.1	311	60	11.0	6.5	4.3		
			6.6	6.1								5.5	4.4		
	6.6	6.5								5.3	4.5				
	05/09/2012	10:36	8.0	1.0	7.4	140	0.8	<2.0	43.7	165	40	8.2	8.0	14.8	
			8.0	2.0									8.0	14.8	
			8.0	3.0									8.0	14.8	
			8.0	4.0									7.9	14.8	
			8.0	5.0									7.9	14.7	
			8.0	6.0									7.7	14.7	
			8.0	7.0	7.3	140	<2.0	46.9	163	40	13.0	7.5	14.6		
8.0	7.5								7.4	14.6					
07/16/2012	11:29	7.5	1.0	8.9	120	0.7	5.2	45.2	181	104	17.8	4.6	27.1		
		7.5	2.0									3.4	26.8		
		7.5	3.0									0.3	26.0		

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Station	Date	Time	Total Depth (m)	Sample Depth (m)	pH	Total Phosphorus (ug/L)	Secchi Depth (m)	5-Day BOD (mg/L)	Alkalinity (mg/L)	Specific Conductance (uS/cm)	Color (Units)	Turbidity (NTU)	DO (mg/L)	Temp (°C)		
EAU PLEINE RESERVOIR																
EP3 8.0	07/16/2012	11:29	7.5	4.0									0.1	25.7		
			7.5	5.0										0.1	24.3	
			7.5	6.0											0.2	22.8
			7.5	6.5	7.1	730			3.9	70.9	227	174	14.1	0.2	22.4	
			7.5	7.0										0.2	22.0	
			7.5	7.4										0.2	21.7	
			10/09/2012	10:30	5.4	1.0	8.5	110	0.8	6.4	52.8	196	98	10.0	11.2	9.9
EP3 12.0	01/10/2012	14:19	5.4	2.0									11.1	9.9		
			5.4	3.0									11.2	9.8		
			5.4	4.0										11.0	9.8	
			5.4	4.4	8.4	98			4.6	53.8	196	93	8.4	11.0	9.7	
			5.4	4.9										11.0	9.7	
			5.4	5.3										10.9	9.7	
			05/09/2012	11:56	5.1	1.0	8.0	85	1.4	3.1	61.5	219	50	2.7	12.4	2.9
EP3 12.0	05/09/2012	11:56	5.1	2.0									8.9	3.8		
			5.1	3.0									7.0	3.8		
			5.1	4.1	7.4	140			2.2	84.7	338	70	9.0	5.3	4.1	
			5.1	4.6										3.1	4.5	
			5.1	5.0										2.7	4.6	
			6.9	1.0	7.0	120	0.8	2.0	54.2	208	40	12.0	7.2	15.8		
			6.9	2.0										7.0	15.6	
EP3 12.0	07/16/2012	9:46	6.9	3.0									7.0	15.6		
			6.9	4.0									6.8	15.4		
			6.9	5.0										6.6	15.2	
			6.9	5.9	7.4	180			2.2	49.0	197	50	19.0	5.9	14.7	
			6.9	6.4										4.2	14.1	
			6.9	6.8										3.5	14.1	
			6.0	1.0	9.7	250	0.4	11.8	49.7	193	274	38.9	12.2	28.4		
EP3 12.0	10/09/2012	9:33	6.0	2.0									11.8	28.2		
			6.0	3.0									0.2	26.0		
			6.0	4.0										0.2	24.0	
			6.0	5.0	7.0	690			4.0	62.0	226	206	16.9	0.2	23.5	
			6.0	5.5										0.2	23.5	
			6.0	5.9										0.2	23.1	
			4.2	1.0	8.1	200	0.5	10.4	55.5	209	173	17.5	11.3	8.9		

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EAU PLEINE RESERVOIR																
EP3 12.0	10/09/2012	9:33	4.2	2.0									11.3	8.9		
			4.2	3.2	7.7	200	10.0	58.3	209	173	19.1	11.3	8.9			
			4.2	3.7										11.3	8.9	
			4.2	4.1										11.2	9.0	
EP3 26.4	01/11/2012	15:58	0.3	0.2	7.9	57		<2.0	94.4	388	20	1.2	15.4	0.1		
	05/10/2012	10:03	0.6	0.5	7.4	270		<2.0	56.4	182	100	12.0	9.4	13.9		
	07/16/2012	12:43	0.2	0.1	8.0	340		2.9	85.4	313	157	15.1	8.6	29.4		
	10/09/2012	13:46	0.5	0.4		100		2.6	106.0	377	114	2.6	8.9	8.8		
EP3 FM2.6	01/11/2012	15:00	0.2	0.1	7.0	29		<2.0	39.1	181	10	2.5	11.5	0.3		
	05/09/2012	13:20	0.2	0.1	7.4	59		<2.0	37.0	113	45	3.6	10.2	13.4		
	07/16/2012	13:21	0.2	0.1	7.4	98		<2.0	36.8	126	69	7.0	6.5	24.3		
	10/09/2012	12:48	0.3	0.2		74		6.1	43.1	146	231	2.1	5.1	7.3		
EP3 FN1.1	01/11/2012	15:28	0.2	0.1	7.3	42		<2.0	68.2	264	15	1.6	12.4	0.2		
	05/10/2012	9:25	0.6	0.5	7.3	98		<2.0	49.9	158	50	3.5	9.9	11.6		
	07/16/2012	13:03	0.3	0.2	7.9	700		18.8	67.0	217	341	49.4	8.7	26.4		
	10/09/2012	13:15	0.4	0.3		180		8.3	69.4	199	123	2.2	7.6	8.8		
RAINBOW RESERVOIR																
RAI TW	01/04/2012	12:37	1.1	1.0	7.2	30		<2.0	40.2	100	30	1.4	13.2	1.2		
	05/14/2012	10:29	0.9	0.8	7.5	37		<2.0	28.8	84	47	2.1	9.7	16.0		
	07/19/2012	13:01	0.3	0.2	8.2	45		3.5	38.4	98	95	11.9	8.3	25.3		
	10/10/2012	16:20	0.7	0.6	7.7	36		<2.0	38.8	97	46	6.5	11.4	7.5		
RAI #1	01/04/2012	12:03	6.7	1.0	7.1	24	3.1	<2.0	41.9	102	30	1.6	12.1	0.3		
			6.7	2.0										12.2	1.0	
			6.7	3.0											9.4	2.5
			6.7	4.0											8.3	3.2
			6.7	5.0											7.4	3.4
			6.7	5.7	6.8	25		<2.0	37.0	101	30	2.8		7.3	3.4	
			6.7	6.2											6.9	3.5
			6.7	6.6											6.9	3.5
			6.7	1.0	7.5	22	3.8	<2.0	31.4	84	42	1.8		9.1	16.1	
			6.7	2.0											9.0	15.9
			6.7	3.0											9.0	15.8
6.7	4.0											8.9	15.6			
6.7	5.0											8.7	15.4			
6.7	5.7	7.3	27		<2.0	31.4	85	50	2.3		7.5	14.9				

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RAINBOW RESERVOIR																
RAI #1	05/14/2012	9:46	6.7	6.2									7.0	14.7		
			6.7	6.6										6.6	14.6	
	07/19/2012	13:31	6.1	1.0	8.0	36	1.0	3.0	38.2	98	82	10.2	7.2	25.4		
			6.1	2.0										6.9	24.7	
			6.1	3.0										6.7	24.7	
			6.1	4.0										6.7	24.6	
			6.1	5.1	7.6	36		2.6	37.9	98	93	10.7	6.4	24.0		
			6.1	5.6										6.5	23.8	
	10/10/2012	15:54	6.1	6.0										1.2	22.9	
			4.8	1.0	7.7	41	1.6	<2.0	37.2	96	52	4.4	10.5	7.3		
			4.8	2.0										10.5	7.3	
			4.8	3.0										10.5	7.3	
			4.8	3.8	7.7	42		<2.0	39.5	96	55	5.5	10.5	7.3		
			4.8	4.3										10.4	7.3	
WIR 378.3	01/04/2012	14:25	4.8	4.7									10.3	7.3		
			0.5	0.4	7.0	24		<2.0	42.1	102	30	1.7	10.1	0.4		
			05/14/2012	10:55	0.3	0.2	7.4	85		<2.0	32.3	85	90	3.4	8.5	17.0
			07/19/2012	14:34	0.6	0.5	7.6	56		2.1	35.7	102	80	6.8	8.3	25.0
			10/15/2012	16:00	0.3	0.2	7.1	27		<2.0	42.6	100	40	2.8	11.6	10.8
RICE RESERVOIR																
RIC TW	01/09/2012	16:03	0.5	0.4	7.1	26		<2.0	45.4	112	40	2.2	12.0	1.3		
	05/15/2012	12:13	0.3	0.2	7.3	26		<2.0	30.8	82	69	4.2	8.9	17.5		
	07/17/2012	12:54	0.7	0.6	7.8	47		3.7	34.8	87	125	12.3	7.4	26.5		
	10/15/2012	12:35	0.8	0.7	7.4	43		<2.0	37.1	92	71	5.0	11.1	6.6		
RIC #1	01/11/2012	11:20	4.0	1.0			2.8						12.4	0.2		
			4.0	2.0	7.5	24		<2.0	45.1	114	30	1.9	11.6	1.3		
			4.0	3.0										9.6	3.0	
			4.0	3.5										8.8	3.3	
			4.0	3.9										7.6	3.4	
	05/15/2012	8:59	5.3	1.0	7.6	22	2.4	<2.0	32.7	83	61	2.5	9.1	17.4		
			5.3	2.0										9.0	17.3	
			5.3	3.0										8.1	16.7	
			5.3	4.3	7.2	31		<2.0	31.1	84	72	3.6	7.6	16.3		
			5.3	4.8										7.0	15.6	
			5.3	5.2								6.8	15.5			

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RICE RESERVOIR																							
RIC #1	07/18/2012	11:18	5.5	1.0	7.0	69	0.9	4.0	34.0	93	134	13.0	7.1	26.1									
			5.5	2.0									7.0	26.1									
			5.5	3.0									7.0	26.0									
			5.5	4.0									6.9	26.0									
			5.5	4.5									7.9	53	3.6	33.7	88	144	12.8	0.1	24.6		
			5.5	5.0									0.1	24.1									
			5.5	5.4									0.2	23.8									
	10/15/2012	13:05	3.3	1.0	7.5	36	1.7	<2.0	39.6	96	66	66	4.5	10.9	6.7								
			3.3	1.6										10.9	6.7								
			3.3	2.3										10.9	6.7								
			3.3	2.8										10.9	6.7								
			3.3	3.2										10.9	6.7								
			4.2	1.0										7.1	22	3.0	<2.0	49.4	121	20	1.3	10.3	2.2
			4.2	2.0										9.7	2.5								
4.2	3.2	7.0	21	<2.0	49.7	118	20	1.0	0.6	3.6													
RIC LRC2.3	01/11/2012	10:21	4.2	3.7	0.6	4.0																	
			4.2	4.1	0.7	4.5																	
			05/15/2012	8:20	5.6	1.0	7.5	26	5.1	<2.0	29.9	85	25	2.1	8.8	17.4							
			5.6		2.0	8.7	17.2																
			5.6		3.0	8.5	16.8																
	5.6	4.0	7.5		16.0																		
	5.6	4.6	7.1		18	<2.0	30.7	86	26	1.3	7.2	15.7											
	5.6	5.1	6.5	15.5																			
	5.6	5.5	5.2	15.2																			
	07/17/2012	10:19	5.3	1.0	8.0	45	1.5	<2.0	36.3	95	69	4.7	7.5	27.1									
5.3			2.0	7.3	27.0																		
5.3			3.0	6.7	26.6																		
5.3			4.3	6.9	98	<2.0	36.3	101	69	4.7	0.2	23.8											
5.3			4.8	0.2	22.4																		
5.3	5.2	0.2	21.2																				
10/15/2012	10:48	3.5	1.0	7.4	29	2.8	<2.0	40.3	102	42	42	3.0	9.9	6.8									
		3.5	1.7										9.8	6.8									
		3.5	2.0										9.7	6.7									
		3.5	2.5										9.5	6.7									
3.5	3.0	9.2	6.7																				

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RICE RESERVOIR														
RIC LRC2.3	10/15/2012	10:48	3.5	3.4									0.7	6.9
RIC DEER#1	01/09/2012	14:59	17.3	1.0	7.3	24	4.4	2.1	31.5	81	15	1.0	11.3	3.7
			17.3	2.0									10.9	3.8
			17.3	3.0									10.6	3.8
			17.3	4.0									10.2	3.9
			17.3	5.0									9.6	3.9
			17.3	6.0									9.4	3.9
			17.3	7.0									9.0	3.9
			17.3	8.0									8.6	4.0
			17.3	9.0									8.2	4.0
			17.3	10.0									7.7	4.0
			17.3	11.0									7.4	4.0
			17.3	12.0									6.8	4.0
			17.3	13.0									6.4	4.1
			17.3	14.0									5.1	4.1
			17.3	15.0									2.8	4.2
			17.3	16.3	6.7	35		<2.0	31.0	84	25	5.1	0.6	4.4
			17.3	16.8									0.6	4.6
			17.3	17.2									0.6	4.6
	05/15/2012	10:20	17.9	1.0	7.9	19	4.7	<2.0	27.7	77	18	1.5	9.7	17.6
			17.9	2.0									9.7	17.5
			17.9	3.0									9.7	17.3
			17.9	4.0									10.2	15.3
			17.9	5.0									11.3	12.6
			17.9	6.0									10.6	10.9
			17.9	7.0									9.3	10.3
			17.9	8.0									7.0	9.6
			17.9	9.0									6.1	9.4
			17.9	10.0									5.1	9.1
			17.9	11.0									4.8	9.0
			17.9	12.0									4.8	8.9
			17.9	13.0									4.2	8.8
			17.9	14.0									4.0	8.7
			17.9	15.0									4.0	8.7
			17.9	16.0									3.5	8.6

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Station	Date	Time	Total Depth (m)	Sample Depth (m)	pH	Total Phosphorus (ug/L)	Secchi Depth (m)	5-Day BOD (mg/L)	Alkalinity (mg/L)	Specific Conductance (uS/cm)	Color (Units)	Turbidity (NTU)	DO (mg/L)	Temp (°C)
RICE RESERVOIR														
RIC DEER#1	05/15/2012	10:20	17.9	16.9	6.7	33		<2.0	29.2	78	42	3.2	3.3	8.6
			17.9	17.4									2.8	8.6
			17.9	17.8									2.6	8.6
RIC DEER#1	07/18/2012	10:07	17.6	1.0	8.3	13	4.5	<2.0	26.5	78	18	1.4	8.0	26.9
			17.6	2.0									7.9	26.7
			17.6	3.0									8.0	26.4
			17.6	4.0									9.6	24.4
			17.6	5.0									10.0	19.7
			17.6	6.0									8.7	15.2
			17.6	7.0									4.4	12.3
			17.6	8.0									1.1	11.1
			17.6	9.0									0.9	11.0
			17.6	10.0									0.2	10.0
			17.6	11.0									0.2	9.5
			17.6	12.0									0.2	9.0
			17.6	13.0									0.2	8.9
			17.6	14.0									0.2	8.9
			17.6	15.0									0.2	8.8
17.6	16.0	0.2	8.8											
RIC DEER#1	10/15/2012	9:42	17.6	16.6	6.9	110		<2.0	33.7	102	139	6.1	0.2	8.7
			17.6	17.1									0.2	8.7
			17.6	17.5									0.3	8.8
			17.2	1.0	7.2	22	2.4	<2.0	34.1	81	42	4.1	7.9	9.7
			17.2	2.0									7.9	9.7
			17.2	3.0									7.9	9.7
			17.2	4.0									7.9	9.7
			17.2	5.0									7.8	9.7
			17.2	6.0									7.9	9.7
			17.2	7.0									7.7	9.7
			17.2	8.0									7.6	9.6
			17.2	9.0									7.6	9.6
			17.2	10.0									7.7	9.6
			17.2	11.0									7.6	9.6
			17.2	12.0									7.7	9.6
17.2	13.0	7.5	9.6											



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Station	Date	Time	Total Depth (m)	Sample Depth (m)	pH	Total Phosphorus (ug/L)	Secchi Depth (m)	5-Day BOD (mg/L)	Alkalinity (mg/L)	Specific Conductance (uS/cm)	Color (Units)	Turbidity (NTU)	DO (mg/L)	Temp (°C)		
RICE RESERVOIR																
RIC DEER#1	10/15/2012	9:42	17.2	14.0									7.3	9.6		
			17.2	15.0										7.1	9.5	
			17.2	16.2	7.1	180	3.7	39.7	129	241	7.8	0.4	8.9	0.4	8.8	
			17.2	16.7											0.4	8.7
			17.2	17.1											0.4	8.7
RIC LRC3.9	01/09/2012	16:39	0.3	0.2	7.0	23		<2.0	48.5	107	25	1.1	11.2	0.1		
	05/15/2012	11:15	0.4	0.3	7.5	41		<2.0	35.7	86	54	2.3	8.0	20.9		
	07/17/2012	11:36	0.3	0.2	7.4	31		<2.0	35.2	94	57	2.4	6.5	26.5		
	10/15/2012	11:29	0.3	0.2	7.5	19		<2.0	49.4	106	30	1.4	11.1	7.3		
TOM 8.5	01/09/2012	11:05	0.2	0.1	7.8	32		<2.0	49.0	119	40	2.8	12.7	0.4		
	05/15/2012	11:34	1.0	0.9	7.2	41		<2.0	35.3	96	67	2.8	8.4	18.2		
	07/17/2012	11:55	0.3	0.2	7.5	26		<2.0	36.5	95	72	3.4	6.3	26.1		
	10/15/2012	11:46	0.3	0.2	8.0	23		<2.0	49.4	101	30	1.4	11.1	6.8		
RIC LRR5.3	01/09/2012	11:26	0.5	0.4	6.9	35		<2.0	33.5	80	100	7.2	9.4	5.2		
	05/15/2012	11:47	0.6	0.5	7.0	29		<2.0	13.3	42	226	3.5	8.4	18.9		
	07/17/2012	12:08	0.6	0.5	7.1	40		<2.0	22.6	55	348	7.9	6.8	25.7		
	10/15/2012	12:00	0.4	0.3	7.4	42		<2.0	27.6	60	195	8.6	10.9	7.6		
SPIRIT RESERVOIR																
SPD TW	01/09/2012	13:52	0.6	0.5	7.1	46		<2.0	51.5	118	120	3.1	11.7	3.3		
	05/15/2012	14:15	0.2	0.1	7.0	42		<2.0	21.2	59	163	2.5	8.9	18.2		
	07/17/2012	9:26	0.7	0.6	6.9	110		<2.0	28.7	75	217	5.4	6.1	24.1		
	10/15/2012	8:42	0.6	0.5	7.2	72		<2.0	35.4	88	102	9.3	10.7	6.6		
SPD #2	01/09/2012	12:58	3.8	1.0			1.2						11.6	2.5		
			3.8	1.6	6.9	51	<2.0	49.5	120	120	2.5	9.8	3.4			
			3.8	2.0										9.2	3.5	
			3.8	2.8										8.0	4.0	
			3.8	3.3										7.9	4.1	
	05/15/2012	13:56	5.8	1.0	7.0	36	1.8	<2.0	20.0	57	161	1.9	8.1	18.4		
	5.8		2.0										8.1	18.4		
	5.8		3.0										8.1	18.2		
	5.8		4.0										8.0	18.0		
	5.8		4.8	6.9	33	<2.0	20.0	58	159	1.8	7.8	17.6	6.4	15.9		
5.8	5.3											6.0	15.4			
5.8	5.7											6.0	15.4			

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Station	Date	Time	Total Depth (m)	Sample Depth (m)	pH	Total Phosphorus (ug/L)	Secchi Depth (m)	5-Day BOD (mg/L)	Alkalinity (mg/L)	Specific Conductance (uS/cm)	Color (Units)	Turbidity (NTU)	DO (mg/L)	Temp (°C)	
SPIRIT RESERVOIR															
SPD #2	07/17/2012	8:42	5.4	1.0	7.1	40	1.5	<2.0	24.6	67	161	5.2	6.1	27.4	
			5.4	2.0									5.7	27.3	
			5.4	3.0									5.3	26.9	
			5.4	4.0									0.2	22.4	
			5.4	4.4									6.8	140	<2.0
	10/15/2012	8:05	5.4	4.9	0.2	21.3									
			5.4	5.3	0.2	20.5									
			3.0	1.0	7.0	72	1.1					10.6	6.4		
			3.0	1.5	2.2	35.5	89	92	7.9	10.6	6.4				
			3.0	2.0	10.6	6.4									
SPD 12.4	01/09/2012	12:02	3.0	2.5	10.6	6.4									
			3.0	2.9	10.6	6.4									
			0.5	0.4	7.0	42	<2.0	63.1	136	60	2.4	12.6	0.4		
			05/15/2012	13:20	0.8	0.7	7.4	50	<2.0	26.2	75	173	2.4	9.1	18.6
			07/17/2012	14:32	1.3	1.2	7.9	82	<2.0	58.4	136	88	4.7	8.4	25.2
10/10/2012	9:42	0.6	0.5	6.9	32	2.2	73.0	159	99	3.2	10.9	4.8			
WILLOW RESERVOIR															
WOW TW	01/05/2012	9:26	0.2	0.1	7.8	29		<2.0	46.5	118	45	2.1	12.6	2.7	
	05/14/2012	15:29	0.2	0.1	7.4	39		<2.0	27.4	48	70	2.6	9.3	18.2	
	07/19/2012	11:33	0.2	0.1	7.6	32		2.0	33.8	82	103	6.2	8.0	24.5	
	10/10/2012	14:40	0.2	0.1	7.8	45		<2.0	37.0	89	62	3.7	11.6	7.7	
WOW #1	01/05/2012	10:32	5.5	1.0	7.5	51	1.6	2.6	41.1	101	60	2.7	13.0	2.0	
			5.5	2.0	10.4	2.7									
			5.5	3.0	9.9	2.7									
			5.5	4.0	8.7	3.4									
			5.5	4.5	7.2	26	<2.0	48.8	126	35	2.3	7.9	3.5		
	05/14/2012	12:48	5.5	5.0	7.3	3.8									
			5.5	5.4	7.3	3.8									
			7.1	1.0	7.4	26	2.5	<2.0	27.2	74	76	2.9	9.1	16.7	
			7.1	2.0	9.1	16.6									
			7.1	3.0	8.9	16.3									
			7.1	4.0	8.5	15.8									
			7.1	5.0	7.5	15.0									
			7.1	6.1	7.1	30	<2.0	29.4	77	70	3.3	7.2	14.8		
			7.1	6.6	6.9	14.5									

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WILLOW RESERVOIR															
WOW #1	05/14/2012	12:48	7.1	7.0									6.4	14.3	
			07/18/2012	13:57	7.0	1.0	7.9	31	1.4	2.4	32.3	84	104	8.4	7.4
				7.0	2.0									7.3	25.6
				7.0	3.0									7.2	25.5
				7.0	4.0									6.9	25.3
				7.0	5.0									0.2	23.1
				7.0	6.0	7.1	49		<2.0	40.2	85	140	8.1	0.1	22.7
				7.0	6.5									0.2	22.3
				7.0	6.9									0.2	22.1
		10/10/2012	11:58	5.0	1.0	7.5	41	2.0	<2.0	36.5	97	69	4.2	10.5	6.9
	5.0			2.0										10.4	6.9
	5.0			3.0											10.5
				5.0	4.0	7.5	38		<2.0	37.1	98	65	4.0	10.5	6.9
				5.0	4.5									10.4	6.9
				5.0	4.9									10.4	6.9
WOW #2	01/05/2012	11:21	3.6	1.0			1.5						10.2	1.8	
			3.6	1.8									9.4	2.5	
			3.6	2.6										8.6	3.1
				3.6	3.1	7.0	35		<2.0	34.6	87	100	3.3	6.6	3.7
				3.6	3.5									4.9	4.0
	05/14/2012	13:36	6.1	1.0	7.1	30	1.8	<2.0	21.8	58	125	2.5	8.5	17.1	
			6.1	2.0										8.4	16.7
			6.1	3.0										8.3	16.3
			6.1	4.0										7.3	15.4
			6.1	5.1	6.8	42		<2.0	23.7	59	117	4.0	6.7	14.8	
				6.1	5.6								6.3	14.7	
				6.1	6.0								6.1	14.7	
	07/19/2012	9:33	6.5	1.0	7.3	34	1.3	<2.0	32.9	82	155	5.7	6.2	24.6	
			6.5	2.0										6.0	24.6
			6.5	3.0										5.8	24.6
6.5			4.0										0.1	24.5	
6.5			5.0										0.1	24.0	
6.5			5.5	7.2	72		3.2	39.0	106	325	6.9	0.1	21.9		
			6.5	6.0								0.1	19.9		
			6.5	6.4								0.2	19.1		

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Station	Date	Time	Total Depth (m)	Sample Depth (m)	pH	Total Phosphorus (ug/L)	Secchi Depth (m)	5-Day BOD (mg/L)	Alkalinity (mg/L)	Specific Conductance (uS/cm)	Color (Units)	Turbidity (NTU)	DO (mg/L)	Temp (°C)		
WILLOW RESERVOIR																
WOW #2	10/10/2012	12:42	4.3	1.0	7.4	63	1.2	<2.0	30.9	75	105	7.5	9.8	7.5		
			4.3	2.0										9.8	7.4	
			4.3	3.3	7.4	61		<2.0	32.3	75	116	7.4		9.8	7.4	
			4.3	3.8											9.4	7.4
			4.3	4.2											9.3	7.4
WOW #3	01/05/2012	12:11	3.6	1.0			3.2						10.9	0.8		
			3.6	1.8	7.1	21		<2.0	57.5	140	30	1.4		9.3	2.1	
			3.6	2.6											6.7	3.7
			3.6	3.1											5.7	4.0
			3.6	3.5											5.1	4.1
	05/14/2012	14:06	5.6	1.0	7.4	30	2.8	<2.0	36.6	98	80		1.9	8.8	17.4	
			5.6	2.0											8.7	17.3
			5.6	3.0											8.6	16.8
			5.6	4.0											8.2	16.7
			5.6	4.6	7.3	29		<2.0	35.7	98	78	2.3			8.2	16.6
07/19/2012	10:18	5.6	5.1										8.2	16.5		
		5.6	5.5										8.2	16.5		
		5.8	1.0	7.7	50	1.2	2.9	42.9	113	138	9.8		7.2	24.7		
		5.8	2.0											7.1	24.7	
		5.8	3.0											7.1	24.7	
		5.8	4.0											6.9	24.6	
		5.8	4.8	7.6	49		2.5	44.2	113	134	6.5			6.6	24.5	
		5.8	5.3											6.5	24.5	
		5.8	5.7											6.4	24.5	
		10/10/2012	13:25	3.6	1.0			1.4							11.1	5.6
3.6	1.8			7.7	45		<2.0	47.9	127	70	5.1		11.1	5.6		
3.6	2.6													10.7	5.6	
3.6	3.1													10.6	5.6	
3.6	3.5													9.6	5.6	
TOM WO7.1	01/05/2012	15:50	0.3	0.2	6.8	35		<2.0	37.5	94	120	3.3	9.2	2.1		
	05/15/2012	12:47	0.2	0.1	7.0	38		<2.0	23.9	50	196	5.0	7.7	19.2		
	07/17/2012	14:01	0.3	0.2	6.7	65		<2.0	34.0	76	268	4.8	5.0	26.3		
	10/10/2012	10:23	0.2	0.1	7.0	29		<2.0	39.9	82	94	3.1	10.1	5.7		
TOM 36.9	01/05/2012	13:35	0.7	0.6	7.0	31		<2.0	54.5	144	20	1.2	8.7	0.0		
	05/14/2012	11:59	0.3	0.2	7.4	48		<2.0	46.5	121	113	4.1	8.7	17.9		

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Station	Date	Time	Total Depth (m)	Sample Depth (m)	pH	Total Phosphorus (ug/L)	Secchi Depth (m)	5-Day BOD (mg/L)	Alkalinity (mg/L)	Specific Conductance (uS/cm)	Color (Units)	Turbidity (NTU)	DO (mg/L)	Temp (°C)
WILLOW RESERVOIR														
TOM 36.9	07/19/2012	12:11	0.4	0.3	7.6	52		<2.0	52.5	137	65	8.7	7.8	23.0
	10/10/2012	15:04	0.3	0.2	7.8	21		<2.0	56.0	143	35	2.4	11.7	6.0