

System chem

	who	Date	Flow	Conductiv	pH	Temp(C	Alkalinity	Acidity I	Sulfate (pp	Al (pp	Fe (pp	Mn (ppm)	
Original Seep	HE	1/29/1998			5.7		42	128	417	0.1	88	7	
Original Seep	CU	4/20/1999		740	5.9	8.9	32	105	338	0.3	72	5	
Original Seep	CU	6/22/1999		711	6.2	8.6	44	96	356	0.1	81	6	
Original Seep	CU	9/24/1999		610	5.9	9.0	32	101	337	0.1	88	6	
Original Seep	CU	11/24/1999		630	5.5	8.2		116	404	0.1	57	4	
Original Seep	CU	1/28/2000		375	5.8	6.9	28	120	335	0.1	doubt	5	
Original Seep	CU	3/10/2000		342	5.8	8.9		104	315	0.1	doubt	5	
Original Seep	CU	5/17/2000		587	6.3	9.8	52	97	338	0.1	78	5	
Original Seep	CU	7/26/2000		545	6.3	12.3	33	104	338	0.1	75	5	
Original Seep	HE	9/13/2000		611	5.7			107	339	0.1	66	5	
ALD in	HE	9/7/2001		659	6.1	9.6	42	92	327	0.1	74	5	
ALD	HE	11/2/2000	18.4										
ALD	CU	11/21/2000		367	6.9	1.2	140	0	334	0.1	75.3	5.0	
ALD	HE	11/24/2000	13.5				158				74		Fe calc
ALD	CU	1/17/2001		393	6.6	0.7	206	0	329	0.1	67.4	5.1	
ALD	CU	2/23/2001		317	6.9	7.0	164	0	330	0.1	62.9	5.1	
ALD	HE	3/20/2001					168						influent is 0
ALD	CU	3/28/2001		194	6.8	7.3	129	0	338	0.1	65.8	5.0	
ALD	CU	4/11/2001		420	6.3	8.5	68	0	328	0.1	66.4	5.3	
ALD	CU	5/1/2001		452	6.7	9.1	226	0	330	0.1	69.1	5.3	influent 0.2
ALD	HE	6/6/2001	15.0				140						
ALD	HE	6/28/2001	17.7				143						influent 0.0
ALD	HE	7/10/2001					137						influent 0.0
ALD	HE	7/25/2001	16.5										influent 0.0
ALD	HE	8/29/2001	17.2				137						influent 0.0
ALD	HE	9/7/2001		707	6.2	10.5	137	0	325	0.1	72.2	4.9	influent 0.5
ALD	HE	8/14/2003	20.2	752	6.3		135	9	437	0.0	59.7	4.8	influent 1.0
ALD	HE	12/6/2006	16.7	738	6.2		118	-5	325	0.1	63.8	5.4	
Pond Effluent	CU	11/21/2000		312	6.8	1	100	0	333	0.1	40.1	5	
Pond Effluent	CU	1/17/2001		285	6.5	0.6	196	0	307	0.1	41.4	5	
Pond Effluent	CU	2/23/2001		303	6.8	4.2	109	0	329	0.1	30.5	4.9	
Pond Effluent	CU	3/28/2001		212	6.7	9.6	71	0	319	0.1	30.4	4.9	
Pond Effluent	CU	4/11/2001		400	6.3	12.6	35	0	321	0.1	29.5	5.2	

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Pond Effluent	CU	5/1/2001		433	6.6	14	95	0	325	0.1	19.2	5.3
Pond Effluent	HE	6/6/2001	3.9				33					
Pond Effluent	HE	6/28/2001	9.4				55					
Pond Effluent	HE	7/10/2001					35					
Pond Effluent	HE	7/25/2001	8.4									
Pond Effluent	HE	8/29/2001	7.8				25					
Pond Effluent	HE	9/7/2001		675	6.3	18.0	36	0	328	0.1	14.0	4.8
Pond Effluent	HE	8/14/2003	15.2	660	6.1		49	-8	357	0.0	26.1	4.9
Pond Effluent	HE	12/6/2006	16.7	659	6.5		63	-11	331	0.1	34.8	5.3
Wetland Effluent	CU	11/21/2000		263	6.1	1	35	0	305	0.6	4.6	4.2
Wetland Effluent	HE	11/24/2000					26					
Wetland Effluent	CU	1/17/2001		233	5.6	0.5	67	0	291	0.8	4.4	6.1
Wetland Effluent	CU	2/23/2001		130	6.1	4.2	56	3	278	0.5	4.7	5.2
Wetland Effluent	CU	3/28/2001		142	6.2	8.8	35	5	286	0.3	1.9	4.3
Wetland Effluent	CU	4/11/2001		350	5.9	12.3	13	4	266	0.6	1.1	4.1
Wetland Effluent	CU	5/1/2001		404	6.5	14	76	0	312	0.1	0.5	4.9
Wetland Effluent	HE	6/6/2001					12					
Wetland Effluent	HE	6/28/2001	11.0				20					
Wetland Effluent	HE	7/10/2001					20					
Wetland Effluent	HE	7/25/2001	12.1									
Wetland Effluent	HE	8/29/2001	10.2		6.9		16					
Wetland Effluent	HE	9/7/2001		646	6.5	15.4	19	2	314	0.1	0.8	3.3
Wetland Effluent	HE	8/14/2003	16.5	620	6.3		15	-6	345	0.0	0.1	0.0
Wetland Effluent	HE	12/6/2006			6.7		21	-12	325	0.0	3.6	4.7
Summary Data												
Seep, pre sys				572	5.9	9.1	38	108	352	0.1	76	5
ALD in, one sample				659	6.1	9.6	42	92	327	0.1	74	5
ALD			16.9	482	6.5	6.3	147	0	342	0.1	68	5
Pond			10.2	438	6.5	8.6	69	-2	328	0.1	30	5
Final			12.5	349	6.3	8.0	31	0	302	0.3	2	4

.5 in lower than last autumn		
5 in above rod top		
above rod top		
above rod top		
above rod top		
above rod top		
inch above rod top		
inch above rod top		

		108
		100
		-16
		-7
		-17