

TABLE 2.4-1

WETLAND WATER QUALITY DATA

Location ID	Hydrogeomorphic Class	Water Regime	Surrounding Land Use	Sample Date	Total Dissolved Solids mg/l	Total Suspended Solids mg/l	Total Iron mg/l	Field pH pH units	Laboratory pH pH units	Dissolved Oxygen (Field) mg/l	Temperature (Field) deg C
SHW-01A	DEMAh	Temporary	Outside Permit Boundary	04/26/2007	1250	201	0.271	7.62	6.8	15.19	19.0
SHW-01B	DEMAh	Temporary		04/26/2007	1220	46	1.12	8.05	6.9	14.03	19.0
SHW-01C	DEMAh	Temporary		04/26/2007	1290	190	0.949	7.34	7	11.99	19.2
SHW-05A	UPL	Semi-Permanent		04/26/2007	487	6	0.203	7.69	8.2	4.86	11.6
SHW-05A	UPL	Semi-Permanent		09/10/2007	3660	17	0.141	8.42	8.2	NA	21.1
SHW-05B	UPL	Semi-Permanent		04/26/2007	472	8	0.257	7.73	7.9	7.64	10.9
SHW-05B	UPL	Semi-Permanent		09/10/2007	1840	34	1.25	7.77	7.5	7.85	18.7
SHW-05C	UPL	Semi-Permanent		04/26/2007	554	6	0.272	8.07	7	7.56	11.7
SHW-05C	UPL	Semi-Permanent		09/10/2007	2000	15	0.764	7.87	7.6	1.94	17.2
SHW-06		Composite		Composite	04/25/2007	12500	24	2.9		8	
SHW-06A	DOWCh	Seasonal	DWR	04/25/2007				8.10		14.92	21.0
SHW-06B	DOWAh	Temporary	DWR	04/25/2007				7.68		19.95	14.3
SHW-06C	DEMCh/SEMB	Seasonal/Saturated	DWR	04/25/2007				8.27		12.34	21.6
SHW-08	DEMC	Composite	Composite	04/25/2007	536	18	17.7		6.9		
SHW-08A	DEMC	Seasonal	NG-TP_WD	04/25/2007				7.98		12.83	16.4
SHW-08B	DEMC	Seasonal	Wetland	04/25/2007				7.59		8.58	19.7
SHW-08C	DEMC	Seasonal	Wetland	04/25/2007				6.24		3.55	8.2
SHW-09		Composite	Composite	04/25/2007	2070	25	0.92		8.1		
SHW-09A	R4EMA/B	Temporary	Wetland	04/25/2007				7.91		5.38	10.7
SHW-09B	R4EMA/B	Temporary	Wetland	04/25/2007				8.00		6.77	11.4
SHW-09C	R4EMA/B	Temporary	Wetland	04/25/2007				7.87		4.23	10.9

Notes:

1. Samples SHW-06 A-C, SHW-08 A-C, and SHW-09 A-C are laboratory composite samples of the field samples A, B, C from each location
2. Wetlands sites SHW-03, SHW-07, SHW-10 and SHW-11 were dry and no water quality results are available
3. See Section 2.6 for the following water quality results: SHRES-16A, SHRES-16B, SHRES-16C, SHRES-16D, SHRES-17, SHRES-17A, SHRES-21A, SHRES-22, SHRES-23, SHRES-23A, SHRES-27, SHRES-28, SHRES-34, SHUN-01, SHUN-02, and SHUN-04
4. See section 2.5 for the following water quality results: SHSS-16, SHSS-17ST, SHSS-17A-B, and SHSS-20 (SHSS-17C, SHSS-17E, SHSS-20A, and SHSS-27 were dry and no water quality results available)
5. NA: Result not available or analysis not performed
6. mg/L: milligrams per liter
7. deg C: degrees Celsius
8. ms/cm: millisiemens per centimeter
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10. ntu: nephelometric turbidity units

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Location ID	Hydrogeomorphic Class	Water Regime	Surrounding Land Use	Sample Date	Field Specific Conductance ms/cm	Laboratory Specific Conductance umhos/cm	Alkalinity, Bicarbonate as CaCO ₃ mg/l	Alkalinity, Carbonate as CaCO ₃ mg/l	Alkalinity, Phenolphthal ein mg/l	Alkalinity, Total mg/l
SH-W01A	DEMAh	Temporary	Outside Permit Boundary	04/26/2007	1.561	1594	95	< 4	< 4	95
SH-W01B	DEMAh	Temporary		04/26/2007	1.591	1572	88	< 4	< 4	88
SH-W01C	DEMAh	Temporary		04/26/2007	1.549	1581	106	< 4	< 4	106
SH-W05A	UPL	Semi-Permanent		04/26/2007	0.84	870	258	< 4	< 4	258
SHW-05A	UPL	Semi-Permanent		09/10/2007	3.737	3069	170	< 4	< 4	170
SH-W05B	UPL	Semi-Permanent		04/26/2007	0.838	880	260	< 4	< 4	260
SHW-05B	UPL	Semi-Permanent		09/10/2007	2.234	1845	342	< 4	< 4	342
SH-W05C	UPL	Semi-Permanent		04/26/2007	0.841	542	242	< 4	< 4	242
SHW-05C	UPL	Semi-Permanent		09/10/2007	2.339	1941	319	< 4	< 4	319
SH-W06		Composite	Composite	04/25/2007		12130	499	< 4	< 4	499
SHW-06A	DOWCh	Seasonal	DWR	04/25/2007	11.1					
SHW-06B	DOWAh	Temporary	DWR	04/25/2007	22.07					
SHW-06C	DEMCh/SEMB	Seasonal/Saturated	DWR	04/25/2007	13.27					
SH-W08	DEMC	Composite	Composite	04/25/2007		234	76	< 4	< 4	76
SHW-08A	DEMC	Seasonal	NG-TP_WD	04/25/2007	0.311					
SHW-08B	DEMC	Seasonal	Wetland	04/25/2007	0.166					
SHW-08C	DEMC	Seasonal	Wetland	04/25/2007	0.19					
SH-W09		Composite	Composite	04/25/2007		2775	356	< 4	< 4	356
SHW-09A	R4EMA/B	Temporary	Wetland	04/25/2007	3.283					
SHW-09B	R4EMA/B	Temporary	Wetland	04/25/2007	2.456					
SHW-09C	R4EMA/B	Temporary	Wetland	04/25/2007	2.503					

Notes:

1. Samples SHW-06 A-C, SHW-08 A-C, and SHW-09 A-C are laboratory composite samples of the field samples A, B, C from each location
2. Wetlands sites SHW-03, SHW-07, SHW-10 and SHW-11 were dry and no water quality results are available
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Location ID	Hydrogeomorphic Class	Water Regime	Surrounding Land Use	Sample Date	Ammonia Nitrogen mg/l	Dissolved Calcium mg/l	Chloride mg/l	Fluoride mg/l	Dissolved Magnesium mg/l
SH-W01A	DEMAh	Temporary	Outside Permit Boundary	04/26/2007	< 0.05	138	47.3	0.15	63.5
SH-W01B	DEMAh	Temporary		04/26/2007	0.09	134	48.4	0.15	61.7
SH-W01C	DEMAh	Temporary		04/26/2007	0.18	140	50.3	0.15	64.7
SH-W05A	UPL	Semi-Permanent		04/26/2007	< 0.05	64.7	13.8	0.3	41.8
SHW-05A	UPL	Semi-Permanent		09/10/2007	< 0.05	432	46.0		267
SH-W05B	UPL	Semi-Permanent		04/26/2007	< 0.05	65.5	13.1	0.29	42.2
SHW-05B	UPL	Semi-Permanent		09/10/2007	0.53	236	28.1	0.32	138
SH-W05C	UPL	Semi-Permanent		04/26/2007	< 0.05	62.4	13.4	0.32	40.2
SHW-05C	UPL	Semi-Permanent		09/10/2007	0.46	250	31.2	0.30	152
SH-W06		Composite	Composite	04/25/2007	0.06	394	43.2	0.67	372
SHW-06A	DOWCh	Seasonal	DWR	04/25/2007					
SHW-06B	DOWAh	Temporary	DWR	04/25/2007					
SHW-06C	DEMCh/SEMB	Seasonal/Saturate	DWR	04/25/2007					
SH-W08	DEMC	Composite	Composite	04/25/2007	< 0.05	9.4	3.7	0.11	6.3
SHW-08A	DEMC	Seasonal	NG-TP_WD	04/25/2007					
SHW-08B	DEMC	Seasonal	Wetland	04/25/2007					
SHW-08C	DEMC	Seasonal	Wetland	04/25/2007					
SH-W09		Composite	Composite	04/25/2007	< 0.05	106	10.8	0.46	88.4
SHW-09A	R4EMA/B	Temporary	Wetland	04/25/2007					
SHW-09B	R4EMA/B	Temporary	Wetland	04/25/2007					
SHW-09C	R4EMA/B	Temporary	Wetland	04/25/2007					

Notes:

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Location ID	Hydrogeomorphic Class	Sample Date	Water Regime	Surrounding Land Use	Nitrate as N mg/l	Nitrite as N mg/l	Nitrogen, Nitrate- Nitrite mg/l	Phosphorus mg/l	Dissolved Potassium mg/l	Dissolved Sodium mg/l	Sulfate mg/l	Turbidity ntu	Total Uranium mg/l
SH-W01A	DEMAh	04/26/2007	Temporary	Outside Permit Boundary	< 0.01	< 0.01	< 0.01	NA	44.6	119	701	18	< 0.002
SH-W01B	DEMAh	04/26/2007	Temporary		< 0.01	< 0.01	< 0.01	NA	43.8	119	699	3.7	< 0.002
SH-W01C	DEMAh	04/26/2007	Temporary		< 0.01	< 0.01	< 0.01	NA	45.7	122	714	16	< 0.002
SH-W05A	UPL	04/26/2007	Semi-Permanen		0.15	< 0.01	0.15	NA	18.3	57.9	197	2.4	0.003
SHW-05A	UPL	09/10/2007	Semi-Permanen		< 0.01	< 0.01	< 0.01	0.54	50.3	205	2400	1.70	0.007
SH-W05B	UPL	04/26/2007	Semi-Permanen		< 0.01	< 0.01	< 0.01	NA	18.4	58.3	194	2.3	0.003
SHW-05B	UPL	09/10/2007	Semi-Permanen		0.01	0.03	0.04	0.38	30.8	97.0	994	6.20	0.003
SH-W05C	UPL	04/26/2007	Semi-Permanen		< 0.01	< 0.01	< 0.01	NA	17.1	56.3	230	1.9	0.003
SHW-05C	UPL	09/10/2007	Semi-Permanen		0.08	0.04	0.12	0.23	32.6	108	1100	4.40	0.003
SH-W06		04/25/2007	Composite	Composite	< 0.01	0.01	< 0.01	NA	40	3160	8400	12	0.038
SHW-06A	DOWCh	04/25/2007	Seasonal	DWR									
SHW-06B	DOWAh	04/25/2007	Temporary	DWR									
SHW-06C	DEMCh/SEMB	04/25/2007	Seasonal/Saturate	DWR									
SH-W08	DEMC	04/25/2007	Composite	Composite	< 0.01	0.04	0.03	NA	8.9	25.9	48	130	< 0.002
SHW-08A	DEMC	04/25/2007	Seasonal	NG-TP_WD									
SHW-08B	DEMC	04/25/2007	Seasonal	Wetland									
SHW-08C	DEMC	04/25/2007	Seasonal	Wetland									
SH-W09		04/25/2007	Composite	Composite	< 0.01	< 0.01	< 0.01	NA	11.2	480	1280	8.4	0.025
SHW-09A	R4EMA/B	04/25/2007	Temporary	Wetland									
SHW-09B	R4EMA/B	04/25/2007	Temporary	Wetland									
SHW-09C	R4EMA/B	04/25/2007	Temporary	Wetland									

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