

## APPENDIX A

Hydrologic data for each of six study wetlands during each of five seasonal sampling periods. Hydrologic data is separated by wetland type and seasonal sampling period: shallow-peat riparian wetlands (A.1.a,b,c,d,e); deep-peat riparian wetlands (A.2.a,b,c,d,e); and headwater wetlands (A.3.a,b,c,d,e). At each nested well cluster along each transect, WT denotes the water table well, Pz-Mid denotes the piezometer placed midway between the peat surface and the mineral soil below the wetland, and Pz-Bot denotes the piezometer placed in the mineral soil below the wetland. Error term of relative elevation (m) includes the propagation of surveying error throughout each site. Error term of water table relative to ground surface and piezometric head (m) includes both surveying error and water level measurement error. Based on the difference in water table elevation and the water level within piezometers, head potentials were split into five classes: strong recharge ( $< -0.10$  m), weak recharge (0 to  $-0.10$  m), strong discharge ( $> +0.10$  m), weak discharge (0 to  $+0.10$  m), and no gradient (not different from magnitude of error term). The term “below” denotes that water level was below the elevation of piezometer screening.

**A.1.a. Shallow Peat Riparian Wetlands**  
**Sampling Period: April (end of snowmelt)**

Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),			Classification of Potentiometric Head
				Error	Potentiometric Head (m)	Error	
SPR_HR	3m	Land-Surface	9.211				
		WT	9.077	0.005	-0.134	0.005	
		Pz-Mid	9.084	0.004	0.007	0.009	no gradient
		Pz-Bot	9.071	0.003	-0.006	0.008	no gradient
SPR_HR	9m	Land-Surface	8.926				
		WT	8.768	0.005	-0.158	0.005	
		Pz-Mid	8.720	0.003	-0.048	0.008	Weak Recharge
		Pz-Bot	8.731	0.004	-0.037	0.009	Weak Recharge
SPR_HR	18m	Land-Surface	8.803				
		WT	8.634	0.006	-0.169	0.006	
		Pz-Mid	Below	~	~	~	~
		Pz-Bot	8.631	0.004	-0.003	0.010	no gradient
SPR_HR	Stream	Land-Surface	8.803				
		WT	8.626	0.005	-0.177	0.005	
SPR_SLR	1m	Land-Surface	10.362				
		WT	10.368	0.005	0.006	0.005	
		Pz-Mid	10.346	0.006	-0.022	0.011	Weak Recharge
		Pz-Bot	10.387	0.005	0.019	0.010	Weak Discharge
SPR_SLR	5m	Land-Surface	10.29				
		WT	10.283	0.005	-0.007	0.005	
		Pz-Mid	10.280	0.006	-0.003	0.011	no gradient
		Pz-Bot	10.315	0.006	0.032	0.011	Weak Discharge
SPR_SLR	10.5m	Land-Surface	9.764				
		WT	9.651	0.006	-0.113	0.006	
		Pz-Mid	9.664	0.005	0.013	0.011	Weak Discharge
		Pz-Bot	9.659	0.006	0.008	0.012	no gradient
SPR_SLR	Stream	Land-Surface	9.764				
		WT	9.518	0.005	-0.246	0.005	

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**A.1.b. Shallow Peat Riparian Wetlands**  
**Sampling Period: June (spring)**


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Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),		Classification of Potentiometric Head	
				Error	Potentiometric Head (m)		
SPR_HR	3m	Land-Surface	9.207				
		WT	9.101	0.003	-0.106	0.003	
		Pz-Mid	9.103	0.006	0.002	0.009	no gradient
		Pz-Bot	9.127	0.005	0.026	0.008	Weak Discharge
SPR_HR	9m	Land-Surface	8.922				
		WT	8.834	0.005	-0.088	0.005	
		Pz-Mid	8.838	0.004	0.004	0.009	no gradient
		Pz-Bot	8.839	0.005	0.005	0.010	no gradient
SPR_HR	18m	Land-Surface	8.8				
		WT	8.776	0.051	-0.024	0.051	
		Pz-Mid	8.752	0.004	-0.024	0.055	no gradient
		Pz-Bot	8.766	0.004	-0.010	0.055	no gradient
SPR_HR	Stream	Land-Surface	8.800				
		WT	8.742	0.003	-0.058	0.003	
SPR_SLR	1m	Land-Surface	10.362				
		WT	10.355	0.005	-0.007	0.005	
		Pz-Mid	10.351	0.006	-0.004	0.011	no gradient
		Pz-Bot	10.391	0.005	0.036	0.010	Weak Discharge
SPR_SLR	5m	Land-Surface	10.29				
		WT	10.278	0.005	-0.012	0.005	
		Pz-Mid	10.275	0.006	-0.003	0.011	no gradient
		Pz-Bot	10.322	0.006	0.044	0.011	Weak Discharge
SPR_SLR	10.5m	Land-Surface	9.764				
		WT	9.675	0.006	-0.089	0.006	
		Pz-Mid	9.661	0.005	-0.014	0.011	Weak Recharge
		Pz-Bot	9.686	0.006	0.011	0.012	no gradient
SPR_SLR	Stream	Land-Surface	9.764				
		WT	9.575	0.005	-0.189	0.005	

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**A.1.c. Shallow Peat Riparian Wetlands**  
**Sampling Period: August (summer)**


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Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),			Classification of Potentiometric Head
				Error	Potentiometric Head (m)	Error	
SPR_HR	3m	Land-Surface	9.211				
		WT	8.759	0.005	-0.452	0.005	
		Pz-Mid	Below	~	~	~	~
		Pz-Bot	Below	~	~	~	~
SPR_HR	9m	Land-Surface	8.926				
		WT	8.606	0.003	-0.320	0.003	
		Pz-Mid	8.657	0.005	0.051	0.008	Weak Discharge
		Pz-Bot	8.612	0.004	0.006	0.007	no gradient
SPR_HR	18m	Land-Surface	8.803				
		WT	8.558	0.006	-0.245	0.006	
		Pz-Mid	Below	~	~	~	~
		Pz-Bot	8.499	0.004	-0.059	0.010	Weak Recharge
SPR_HR	Stream	Land-Surface	8.803				
		WT	8.461	0.005	-0.342	0.005	
SPR_SLR	1m	Land-Surface	10.362				
		WT	10.247	0.005	-0.115	0.005	
		Pz-Mid	10.243	0.006	-0.004	0.011	no gradient
		Pz-Bot	10.247	0.005	0.000	0.010	no gradient
SPR_SLR	5m	Land-Surface	10.29				
		WT	10.149	0.005	-0.141	0.005	
		Pz-Mid	10.180	0.006	0.031	0.011	Weak Discharge
		Pz-Bot	10.159	0.006	0.010	0.011	no gradient
SPR_SLR	10.5m	Land-Surface	9.764				
		WT	9.497	0.006	-0.267	0.006	
		Pz-Mid	Below	~	~	~	~
		Pz-Bot	9.512	0.006	0.015	0.012	Weak Discharge
SPR_SLR	Stream	Land-Surface	9.764				
		WT	9.399	0.005	-0.365	0.005	

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**A.1.d. Shallow Peat Riparian Wetlands**  
**Sampling Period: September (pre-senescence)**


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Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),		Classification of Potentiometric Head	
				Error	Potentiometric Head (m)		
SPR_HR	3m	Land-Surface	9.207				
		WT	8.709	0.003	-0.498	0.003	
		Pz-Mid	Below	~	~	~	
		Pz-Bot	Below	~	~	~	
SPR_HR	9m	Land-Surface	8.922				
		WT	8.567	0.005	-0.355	0.005	
		Pz-Mid	Below	~	~	~	
		Pz-Bot	8.573	0.005	0.006	0.010	no gradient
SPR_HR	18m	Land-Surface	8.8				
		WT	8.470	0.051	-0.330	0.051	
		Pz-Mid	Below	~	~	~	
		Pz-Bot	8.447	0.004	-0.023	0.055	no gradient
SPR_HR	Stream	Land-Surface	8.800				
		WT	8.412	0.003	-0.388	0.003	
SPR_SLR	1m	Land-Surface	10.362				
		WT	10.219	0.005	-0.143	0.005	
		Pz-Mid	10.221	0.006	0.002	0.011	no gradient
		Pz-Bot	10.233	0.005	0.014	0.010	Weak Discharge
SPR_SLR	5m	Land-Surface	10.29				
		WT	10.098	0.005	-0.192	0.005	
		Pz-Mid	Below	~	~	~	
		Pz-Bot	10.142	0.006	0.044	0.011	Weak Discharge
SPR_SLR	10.5	Land-Surface	9.764				
		WT	9.464	0.006	-0.300	0.006	
		Pz-Mid	Below	~	~	~	
		Pz-Bot	9.475	0.006	0.011	0.012	no gradient
SPR_SLR	Stream	Land-Surface	9.764				
		WT	9.366	0.005	-0.398	0.005	

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**A.1.e. Shallow Peat Riparian Wetlands****Sampling Period: November/December (post-senescence)**

Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),		Classification of Potentiometric Head	
				Error	Potentiometric Head (m) Error		
SPR_HR	3m	Land-Surface	9.207				
		WT	9.084	0.003	-0.123	0.003	
		Pz-Mid	9.086	0.006	0.002	0.009	no gradient
		Pz-Bot	9.101	0.005	0.017	0.008	Weak Discharge
SPR_HR	9m	Land-Surface	8.922				
		WT	8.769	0.005	-0.153	0.005	
		Pz-Mid	8.824	0.004	0.055	0.009	Weak Discharge
		Pz-Bot	8.777	0.005	0.008	0.010	no gradient
SPR_HR	18m	Land-Surface	8.8				
		WT	8.693	0.051	-0.107	0.051	
		Pz-Mid	8.679	0.004	-0.014	0.055	no gradient
		Pz-Bot	8.729	0.004	0.036	0.055	no gradient
SPR_HR	Stream	Land-Surface	8.800				
		WT	8.665	0.003	-0.135	0.003	
SPR_SLR	1m	Land-Surface	10.362				
		WT	10.361	0.005	-0.001	0.005	
		Pz-Mid	10.354	0.006	-0.007	0.011	no gradient
		Pz-Bot	10.412	0.005	0.051	0.010	Weak Discharge
SPR_SLR	5m	Land-Surface	10.29				
		WT	10.273	0.005	-0.017	0.005	
		Pz-Mid	10.269	0.006	-0.004	0.011	no gradient
		Pz-Bot	10.312	0.006	0.039	0.011	Weak Discharge
SPR_SLR	10.5m	Land-Surface	9.764				
		WT	9.689	0.006	-0.075	0.006	
		Pz-Mid	9.654	0.005	-0.035	0.011	Weak Recharge
		Pz-Bot	9.688	0.006	-0.001	0.012	no gradient
SPR_SLR	Stream	Land-Surface	9.764				
		WT	9.631	0.005	-0.133	0.005	

**A.2.a. Deep Peat Riparian Wetlands****Sampling Period: April (end of snowmelt)**

Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),		Classification of Potentiometric Head	
				Error	Potentiometric Head (m)		
DPR_MR	1m	Land-Surface	8.937				
		WT	8.884	0.005	-0.053	0.005	
		Pz-Mid	8.884	0.003	0.000	0.008	no gradient
		Pz-Bot	8.877	0.003	-0.007	0.008	no gradient
	40.5m	Land-Surface	8.547				
		WT	8.510	0.006	-0.037	0.006	
		Pz-Mid	8.591	0.006	0.081	0.012	Weak Discharge
		Pz-Bot	8.827	0.005	0.317	0.011	Strong Discharge
	81m	Land-Surface	7.783				
		WT	7.828	0.007	0.045	0.007	
		Pz-Mid	7.840	0.005	0.012	0.012	no gradient
		Pz-Bot	8.036	0.005	0.208	0.012	Strong Discharge
	Stream	Land-Surface	7.783				
		WT	7.670	0.006	-0.113	0.006	
	DPR_BR	1m	Land-Surface	9.478			
WT			9.324	0.005	-0.154	0.005	
Pz-Mid			9.281	0.005	-0.043	0.010	Weak Recharge
Pz-Bot			9.415	0.004	0.091	0.009	Weak Discharge
30m		Land-Surface	9.374				
		WT	9.288	0.003	-0.086	0.003	
		Pz-Mid	9.263	0.003	-0.025	0.006	Weak Recharge
		Pz-Bot	9.273	0.005	-0.015	0.008	Weak Recharge
60m		Land-Surface	9.052				
		WT	9.045	0.004	-0.007	0.004	
		Pz-Mid	8.942	0.004	-0.103	0.008	Strong Recharge
		Pz-Bot	9.178	0.003	0.133	0.007	Strong Discharge
Stream		Land-Surface	9.052				
		WT	8.855	0.003	-0.197	0.003	

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**A.2.b. Deep Peat Riparian Wetlands**  
**Sampling Period: June (spring)**


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Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),		Classification of Potentiometric Head	
				Error	Potentiometric Head (m) Error		
DPR_MR	1m	Land-Surface	8.94				
		WT	8.880	0.006	-0.060	0.006	
		Pz-Mid	8.877	0.003	-0.003	0.009	no gradient
		Pz-Bot	8.876	0.003	-0.004	0.009	no gradient
	40.5m	Land-Surface	8.545				
		WT	8.555	0.006	0.010	0.006	
		Pz-Mid	8.535	0.005	-0.020	0.011	Weak Recharge
	81m	Land-Surface	7.813				
		WT	7.865	0.006	0.052	0.006	
		Pz-Mid	7.855	0.006	-0.010	0.012	no gradient
	Stream	Land-Surface	7.813				
		WT	7.700	0.008	-0.113	0.008	Strong Discharge
	DPR_BR	1m	Land-Surface	9.477			
			WT	9.338	0.003	-0.139	0.003
Pz-Mid			9.335	0.006	-0.003	0.009	no gradient
Pz-Bot			9.383	0.005	0.045	0.008	Weak Discharge
30m		Land-Surface	9.373				
		WT	9.273	0.004	-0.100	0.004	
		Pz-Mid	9.126	0.004	-0.147	0.008	Strong Recharge
60m		Land-Surface	9.05				
		WT	9.045	0.004	-0.005	0.004	
		Pz-Mid	9.040	0.004	-0.005	0.008	no gradient
Stream		Land-Surface	9.297	0.005	0.252	0.009	Strong Discharge
		WT	8.980	0.005	-0.070	0.005	

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**A.2.c. Deep Peat Riparian Wetlands**  
**Sampling Period: August (summer)**


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Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),		Classification of Potentiometric Head	
				Error	Potentiometric Head (m) Error		
DPR_MR	1m	Land-Surface	8.937				
		WT	8.848	0.005	-0.089	0.005	
		Pz-Mid	8.843	0.003	-0.005	0.008	no gradient
		Pz-Bot	8.845	0.003	-0.003	0.008	no gradient
	40.5m	Land-Surface	8.547				
		WT	8.487	0.006	-0.060	0.006	
		Pz-Mid	8.487	0.006	0.000	0.012	no gradient
		Pz-Bot	8.421	0.005	-0.066	0.011	Weak Recharge
	81m	Land-Surface	7.783				
		WT	7.807	0.007	0.024	0.007	
		Pz-Mid	7.821	0.005	0.014	0.012	Weak Discharge
		Pz-Bot	7.778	0.005	-0.029	0.012	Weak Recharge
	Stream	Land-Surface	7.783				
		WT	7.258	0.006	-0.525	0.006	
DPR_BR	1m	Land-Surface	9.478				
		WT	9.168	0.005	-0.310	0.005	
		Pz-Mid	9.170	0.005	0.002	0.010	no gradient
		Pz-Bot	9.084	0.004	-0.084	0.009	Weak Recharge
	30m	Land-Surface	9.374				
		WT	9.176	0.003	-0.198	0.003	
		Pz-Mid	9.096	0.003	-0.080	0.006	Weak Recharge
		Pz-Bot	9.085	0.005	-0.091	0.008	Weak Recharge
	60m	Land-Surface	9.052				
		WT	8.848	0.004	-0.204	0.004	
		Pz-Mid	9.795	0.004	0.947	0.008	Strong Discharge
		Pz-Bot	9.000	0.003	0.152	0.007	Strong Discharge
	Stream	Land-Surface	9.052				
		WT	8.721	0.003	-0.331	0.003	

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<b>A.2.d. Deep Peat Riparian Wetlands</b>								
<b>Sampling Period: September (pre-senescence)</b>								
Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),		Classification of Potentiometric Head		
				Error	Potentiometric Head (m) Error			
DPR_MR	1m	Land-Surface	8.94					
		WT	8.745	0.006	-0.195	0.006		
		Pz-Mid	8.748	0.003	0.003	0.009	no gradient	
		Pz-Bot	8.656	0.003	-0.089	0.009	Weak Recharge	
	40.5m	Land-Surface	8.545					
		WT	8.338	0.006	-0.207	0.006		
		Pz-Mid	8.429	0.005	0.091	0.011	Weak Discharge	
		Pz-Bot	7.907	0.006	-0.431	0.012	Strong Recharge	
	81m	Land-Surface	7.813					
		WT	7.766	0.006	-0.047	0.006		
		Pz-Mid	7.772	0.006	0.006	0.012	no gradient	
		Pz-Bot	7.762	0.007	-0.004	0.013	no gradient	
	Stream	Land-Surface	7.813					
		WT	7.612	0.008	-0.201	0.008		
	DPR_BR	1m	Land-Surface	9.477				
			WT	9.141	0.003	-0.336	0.003	
Pz-Mid			Below	~	~	~	~	
Pz-Bot			9.012	0.005	-0.129	0.008	Strong Recharge	
30m		Land-Surface	9.373					
		WT	9.066	0.004	-0.307	0.004		
		Pz-Mid	9.029	0.004	-0.037	0.008	Weak Recharge	
		Pz-Bot	8.992	0.003	-0.074	0.007	Weak Recharge	
60m		Land-Surface	9.05					
		WT	8.784	0.004	-0.266	0.004		
		Pz-Mid	8.789	0.004	0.005	0.008	no gradient	
		Pz-Bot	8.992	0.005	0.208	0.009	Strong Discharge	
Stream		Land-Surface	9.050					
		WT	8.736	0.005	-0.314	0.005		

<b>A.2.e. Deep Peat Riparian Wetlands</b>							
<b>Sampling Period: November/December (post-senescence)</b>							
Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),		Classification of Potentiometric Head	
				Error	Potentiometric Head (m) Error		
DPR_MR	1m	Land-Surface	8.94				
		WT	8.863	0.006	-0.077	0.006	
		Pz-Mid	8.861	0.003	-0.002	0.009	no gradient
		Pz-Bot	8.864	0.003	0.001	0.009	no gradient
	40.5m	Land-Surface	8.545				
		WT	8.508	0.006	-0.037	0.006	
		Pz-Mid	8.508	0.005	0.000	0.011	no gradient
		Pz-Bot	8.531	0.006	0.023	0.012	Weak Discharge
	81m	Land-Surface	7.813				
		WT	7.852	0.006	0.039	0.006	
		Pz-Mid	7.853	0.006	0.001	0.012	no gradient
		Pz-Bot	7.913	0.007	0.061	0.013	Weak Discharge
	Stream	Land-Surface	7.813				
		WT	7.669	0.008	-0.144	0.008	
	DPR_BR	1m	Land-Surface	9.477			
WT			9.323	0.003	-0.154	0.003	
Pz-Mid			9.299	0.006	-0.024	0.009	Weak Recharge
Pz-Bot			9.374	0.005	0.051	0.008	Weak Discharge
30m		Land-Surface	9.373				
		WT	9.241	0.004	-0.132	0.004	
		Pz-Mid	9.260	0.004	0.019	0.008	Weak Discharge
		Pz-Bot	9.277	0.003	0.036	0.007	Weak Discharge
60m		Land-Surface	9.05				
		WT	9.039	0.004	-0.011	0.004	
		Pz-Mid	9.058	0.004	0.019	0.008	Weak Discharge
		Pz-Bot	9.314	0.005	0.275	0.009	Strong Discharge
Stream		Land-Surface	9.050				
		WT	8.994	0.005	-0.056	0.005	

**A.3.a. Headwater Wetlands****Sampling Period: April (end of snowmelt)**

Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),			Classification of Potentiometric Head
				Potentiometric Head (m)	Error	Error	
HW_P	1m	Land Surface	9.150				
		WT	frozen				
		Pz-Mid	frozen				
		Pz-Bot	frozen				
	45m	Land Surface	9.005				
		WT	9.007	0.004	0.002	0.004	
		Pz-Mid	8.986	0.003	-0.021	0.007	Weak Recharge
		Pz-Bot	8.880	0.005	-0.127	0.009	Strong Recharge
	60m	Land Surface	8.997				
		WT	9.052	0.006	0.055	0.006	
		Pz-Mid	8.959	0.007	-0.093	0.013	Weak Recharge
		Pz-Bot	8.644	0.005	-0.408	0.011	Strong Recharge
	80m	Land Surface	9.000				
		WT	9.022	0.007	0.022	0.007	
		Pz-Mid	8.920	0.006	-0.102	0.013	Strong Recharge
		Pz-Bot	8.663	0.008	-0.359	0.015	Strong Recharge
	100m	Land Surface	8.903				
		WT	8.955	0.010	0.052	0.010	
		Pz-Mid	8.889	0.009	-0.066	0.019	Weak Recharge
		Pz-Bot	8.920	0.009	-0.035	0.019	Weak Recharge
Outlet	Land-Surface	8.903	0.000				
	WT	8.995	0.01	0.092	0.010		
HW_H	1m	Land-Surface	9.041				
		WT	9.116	0.003	0.075	0.003	
		Pz-Mid	9.090	0.003	-0.026	0.006	Weak Recharge
		Pz-Bot	8.961	0.003	-0.155	0.006	Strong Recharge
	37.5m	Land-Surface	9.053				
		WT	9.122	0.004	0.069	0.004	
		Pz-Mid	8.996	0.004	-0.126	0.008	Strong Recharge
		Pz-Bot	8.628	0.005	-0.494	0.009	Strong Recharge
	75m	Land-Surface	9.026				
		WT	9.078	0.008	0.052	0.008	
		Pz-Mid	8.943	0.006	-0.135	0.014	Strong Recharge
		Pz-Bot	8.344	0.010	-0.734	0.018	Strong Recharge
	Outlet	Land-Surface	8.323				
		WT	8.256	0.015	-0.067	0.015	

**A.3.b. Headwater Wetlands****Sampling Period: June (spring)**

Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),			Classification of Potentiometric Head
				Error	Potentiometric Head (m)	Error	
HW_P	1m	Land Surface	9.195				
		WT	9.204				
		Pz-Mid	9.131				
		Pz-Bot	9.153				
	45m	Land Surface	9.005				
		WT	9.032	0.004	0.027	0.004	
		Pz-Mid	8.989	0.003	-0.043	0.007	Weak Recharge
		Pz-Bot	8.925	0.005	-0.107	0.009	Strong Recharge
	60m	Land Surface	8.997				
		WT	9.042	0.006	0.045	0.006	
		Pz-Mid	8.945	0.007	-0.097	0.013	Weak Recharge
		Pz-Bot	4.664	0.005	-4.378	0.011	Strong Recharge
	80m	Land Surface	9.000				
		WT	9.011	0.007	0.011	0.007	
		Pz-Mid	8.859	0.006	-0.152	0.013	Strong Recharge
		Pz-Bot	7.873	0.008	-1.138	0.015	Strong Recharge
	100m	Land Surface	8.903				
		WT	8.960	0.010	0.057	0.010	
		Pz-Mid	8.911	0.009	-0.049	0.019	Weak Recharge
		Pz-Bot	8.920	0.009	-0.040	0.019	Weak Recharge
Outlet	Land-Surface	8.903	0.000				
	WT	8.96	0.01	0.057	0.010		
HW_H	1m	Land-Surface	9.039				
		WT	9.124	0.007	0.085	0.007	
		Pz-Mid	9.194	0.008	0.070	0.015	Weak Discharge
		Pz-Bot	9.095	0.005	-0.029	0.012	Weak Recharge
	37.5m	Land-Surface	9.057				
		WT	9.103	0.009	0.046	0.009	
		Pz-Mid	9.023	0.008	-0.080	0.017	Weak Recharge
		Pz-Bot	6.909	0.007	-2.194	0.016	Strong Recharge
	75m	Land-Surface	8.981				
		WT	9.064	0.008	0.083	0.008	
		Pz-Mid	8.993	0.008	-0.071	0.016	Weak Recharge
		Pz-Bot	7.764	0.008	-1.300	0.016	Strong Recharge
	Outlet	Land-Surface	8.323				
		WT	8.197	0.015	-0.126	0.015	

<b>A.3.c. Headwater Wetlands</b>							
<b>Sampling Period: August (summer)</b>							
Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),		Classification of Potentiometric Head	
				Error	Potentiometric Head (m) Error		
HW_P	1m	Land Surface	9.195				
		WT	9.121				
		Pz-Mid	9.120				
		Pz-Bot	9.107				
	45m	Land Surface	9.005				
		WT	8.986	0.004	-0.019	0.004	
		Pz-Mid	8.961	0.003	-0.025	0.007	Weak Recharge
		Pz-Bot	8.857	0.005	-0.129	0.009	Strong Recharge
	60m	Land Surface	8.997				
		WT	8.966	0.006	-0.031	0.006	
		Pz-Mid	8.941	0.007	-0.025	0.013	Weak Recharge
		Pz-Bot	8.544	0.005	-0.422	0.011	Strong Recharge
	80m	Land Surface	9.000				
		WT	8.970	0.007	-0.030	0.007	
		Pz-Mid	8.886	0.006	-0.084	0.013	Weak Recharge
		Pz-Bot	8.563	0.008	-0.407	0.015	Strong Recharge
	100m	Land Surface	8.903				
		WT	8.942	0.010	0.039	0.010	
		Pz-Mid	8.885	0.009	-0.057	0.019	Weak Recharge
		Pz-Bot	8.645	0.009	-0.297	0.019	Strong Recharge
	Outlet	Land-Surface	8.903	0.000			
WT		8.942	0.01	0.039	0.010		
HW_H	1m	Land-Surface	9.041				
		WT	8.982	0.003	-0.059	0.003	
		Pz-Mid	8.979	0.003	-0.003	0.006	no gradient
		Pz-Bot	8.845	0.003	-0.137	0.006	Strong Recharge
	37.5m	Land-Surface	9.053				
		WT	8.970	0.004	-0.083	0.004	
		Pz-Mid	8.915	0.004	-0.055	0.008	Weak Recharge
		Pz-Bot	8.178	0.005	-0.792	0.009	Strong Recharge
	75m	Land-Surface	9.026				
		WT	8.951	0.008	-0.075	0.008	
		Pz-Mid	8.867	0.006	-0.084	0.014	Weak Recharge
		Pz-Bot	8.244	0.010	-0.707	0.018	Strong Recharge
	Outlet	Land-Surface	8.323				
		WT	8.105	0.015	-0.218	0.015	

<b>A.3.d. Headwater Wetlands</b>								
<b>Sampling Period: September (pre-senescence)</b>								
Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),		Classification of Potentiometric Head		
				Error	Potentiometric Head (m)		Error	
HW_P	1m	Land Surface	9.195					
		WT	9.027					
		Pz-Mid	8.987					
		Pz-Bot	9.006					
	45m	Land Surface	9.005					
		WT	8.956	0.004	-0.049	0.004		
		Pz-Mid	8.926	0.003	-0.030	0.007	Weak Recharge	
		Pz-Bot	8.803	0.005	-0.153	0.009	Strong Recharge	
	60m	Land Surface	8.997					
		WT	8.928	0.006	-0.069	0.006		
		Pz-Mid	8.872	0.007	-0.056	0.013	Weak Recharge	
		Pz-Bot	7.439	0.005	-1.489	0.011	Strong Recharge	
	80m	Land Surface	9.000					
		WT	8.936	0.007	-0.064	0.007		
		Pz-Mid	8.820	0.006	-0.116	0.013	Strong Recharge	
		Pz-Bot	4.014	0.008	-4.922	0.015	Strong Recharge	
	100m	Land Surface	8.903					
		WT	8.900	0.010	-0.003	0.010		
		Pz-Mid	8.822	0.009	-0.078	0.019	Weak Recharge	
		Pz-Bot	8.525	0.009	-0.375	0.019	Strong Recharge	
	Outlet	Land-Surface	8.903	0.000				
		WT	8.9	0.01	-0.003	0.010		
	HW_H	1m	Land-Surface	9.039				
			WT	8.973	0.007	-0.066	0.007	
Pz-Mid			8.907	0.008	-0.066	0.015	Weak Recharge	
Pz-Bot			8.784	0.005	-0.189	0.012	Strong Recharge	
37.5m		Land-Surface	9.057					
		WT	8.963	0.009	-0.094	0.009		
		Pz-Mid	8.877	0.008	-0.086	0.017	Weak Recharge	
		Pz-Bot	6.509	0.007	-2.454	0.016	Strong Recharge	
75m		Land-Surface	8.981					
		WT	8.937	0.008	-0.044	0.008		
		Pz-Mid	8.816	0.008	-0.121	0.016	Strong Recharge	
		Pz-Bot	6.726	0.008	-2.211	0.016	Strong Recharge	
Outlet		Land-Surface	8.323					
		WT	8.027	0.015	-0.296	0.015		

**A.3.e. Headwater Wetlands****Sampling Period: November/December (post-senescence)**

Wetland	Transect Distance (m)		Relative Elevation (m)	Water Table Relative to Ground Surface (m),			Classification of Potentiometric Head	
				Error	Potentiometric Head (m)	Error		
HW_P	1m	Land Surface	9.195					
		WT	9.161					
		Pz-Mid	9.168					
		Pz-Bot	9.133					
	45m	Land Surface	9.005					
		WT	9.005	0.004	0.000	0.004		
		Pz-Mid	9.011	0.003	0.006	0.007	no gradient	
		Pz-Bot	8.961	0.005	-0.044	0.009	Weak Recharge	
	60m	Land Surface	8.997					
		WT	9.005	0.006	0.008	0.006		
		Pz-Mid	8.992	0.007	-0.013	0.013	no gradient	
		Pz-Bot	8.244	0.005	-0.761	0.011	Strong Recharge	
	80m	Land Surface	9.000					
		WT	8.984	0.007	-0.016	0.007		
		Pz-Mid	8.906	0.006	-0.078	0.013	Weak Recharge	
		Pz-Bot	no value	~	~	~	~	
	100m	Land Surface	8.903					
		WT	8.918	0.010	0.015	0.010		
		Pz-Mid	8.906	0.009	-0.012	0.019	no gradient	
		Pz-Bot	no value	~	~	~	~	
	Outlet	Land-Surface	8.903	0.000				
		WT	8.918	0.01	0.015	0.010		
	HW_H	1m	Land-Surface	9.039				
			WT	9.072	0.007	0.033	0.007	
Pz-Mid			9.070	0.008	-0.002	0.015	no gradient	
Pz-Bot			8.948	0.005	-0.124	0.012	Strong Recharge	
37.5m		Land-Surface	9.057					
		WT	9.049	0.009	-0.008	0.009		
		Pz-Mid	8.994	0.008	-0.055	0.017	Weak Recharge	
		Pz-Bot	7.083	0.007	-1.966	0.016	Strong Recharge	
75m		Land-Surface	8.981					
		WT	8.996	0.008	0.015	0.008		
		Pz-Mid	8.926	0.008	-0.070	0.016	Weak Recharge	
		Pz-Bot	7.429	0.008	-1.567	0.016	Strong Recharge	
Outlet		Land-Surface	8.323					
		WT	8.195	0.015	-0.128	0.015		