Appendix 5-10: Water Year 2006 Diel Data for STA-2

Nenad Iricanin

Table 1. Statistical summary of diel parameters at STA-2 inflow (S6 and G328).

Period	Location	Station	Water Temperature (°C)						Specific Conducticity (µS/cm)						Water pH						Dissolved Oxygen (mg/L)					
			No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation
06/06/2005 - 06/09/2005	Inflow	S6	138	27.13	26.11	27.23	27.60	0.33	138	1366.7	1120	1383	1528	131.6	138	7.27	7.24	7.27	7.33	0.02	138	1.77	1.20	1.76	2.97	0.26
	Inflow	G328	139	27.59	26.76	27.54	28.95	0.50	139	1660.7	1424	1701	1829	120.5	139	7.28	7.24	7.29	7.36	0.02	139	1.55	0.79	1.53	2.82	0.39
	Outflow	G335	141	27.96	26.43	27.95	29.01	0.53	141	1050.7	982	1050	1113	39.5	141	7.58	7.53	7.59	7.64	0.03	141	4.68	3.15	4.76	5.69	0.63
09/12/2005 - 09/15/2005	Inflow	S6	140	30.66	29.12	30.42	32.87	1.01	140	1304.5	1272	1308	1356	15.5	140	7.55	7.36	7.52	8.14	0.17	140	5.75	2.08	5.18	16.24	2.98
	Inflow	G328	140	30.74	28.84	30.60	32.91	1.22	140	1600.8	1576	1602	1613	8.4	140	7.49	7.23	7.52	7.59	0.08	140	3.34	0.26	3.48	5.01	1.07
	Outflow	G335	138	29.12	28.41	29.13	29.54	0.26	138	1319.2	1307	1320	1342	6.3	138	7.80	7.76	7.80	7.88	0.03	138	3.95	3.34	3.87	5.76	0.42
12/06/2005 - 12/08/2005	Inflow	S6	99	21.86	21.16	21.95	22.76	0.47	99	1385.8	1377	1387	1395	3.9	99	7.43	7.38	7.43	7.52	0.02	99	3.05	2.29	3.10	3.85	0.36
	Inflow	G328	99	21.80	21.41	21.75	22.50	0.25	99	1571.2	1502	1585	1600	29.3	99	7.65	7.53	7.62	7.95	0.10	99	2.85	1.55	2.37	6.41	1.28
	Outflow	G335	99	20.90	20.52	20.91	21.88	0.24	99	1501.6	1493	1503	1508	4.5	99	7.82	7.72	7.82	7.90	0.04	99	5.92	5.30	5.88	6.51	0.28
03/24/2006 - 03/27/2006	Inflow	S6	148	21.39	20.21	21.19	23.01	0.84	148	940.7	553	991	1130	153.6	148	7.50	7.47	7.50	7.57	0.02	148	4.26	2.87	4.27	5.39	0.27
	Inflow	G328	146	21.90	20.40	21.63	24.24	1.02	146	1156.1	741	1167	1341	106.3	146	7.87	7.62	7.88	8.08	0.13	146	6.29	3.62	6.58	7.77	1.06
	Outflow	G335	146	19.94	16.90	19.44	23.64	2.05	146	1308.7	1066	1336	1404	83.8	146	7.79	7.54	7.79	8.03	0.13	146	5.87	3.58	5.97	8.36	1.39

ND – No data was available for this deployment period.

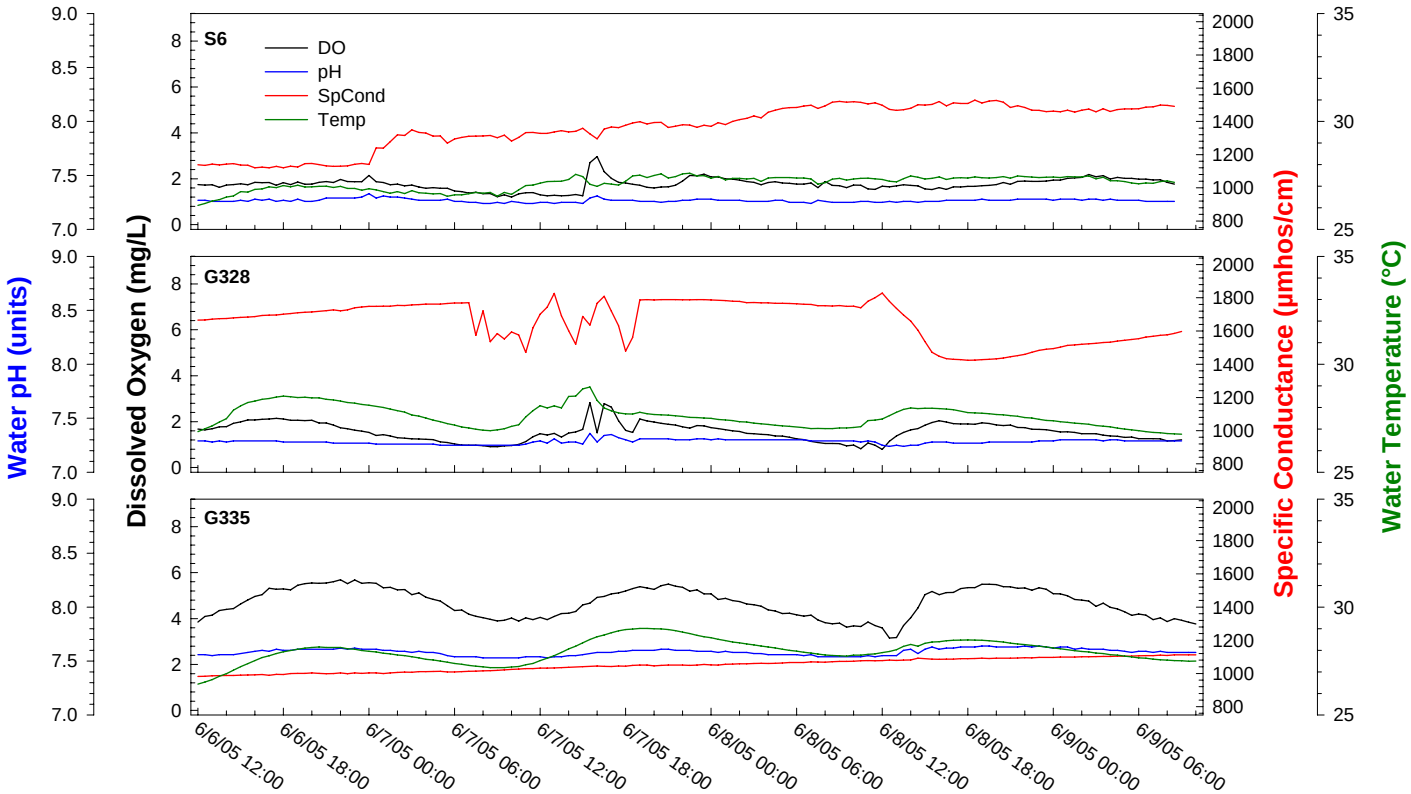

Figure 1. Diel measurements at S6, G328, and G335 in STA-2, June 6–9, 2005.

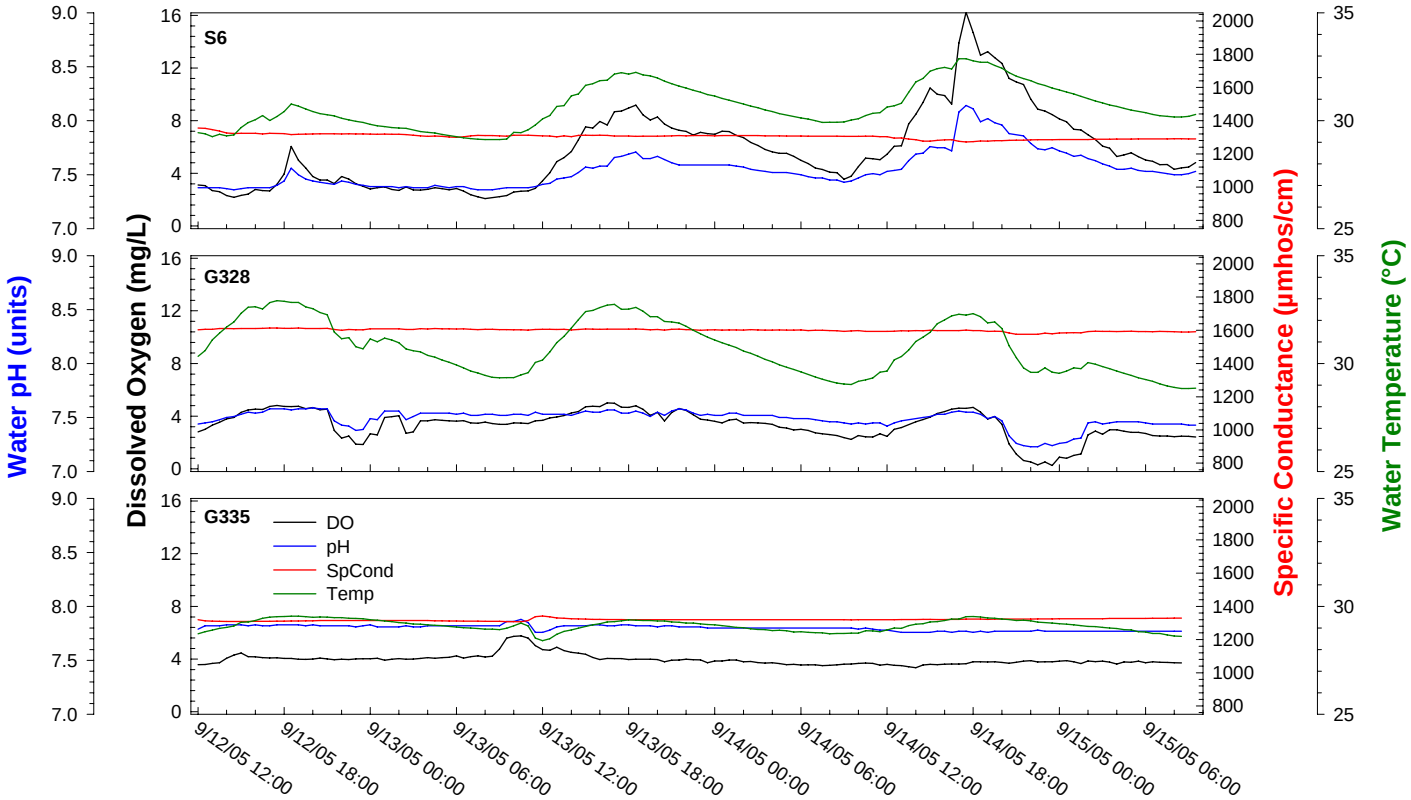

Figure 2. Diel measurements at S6, G328, and G335 in STA-2, September 12–15, 2005.

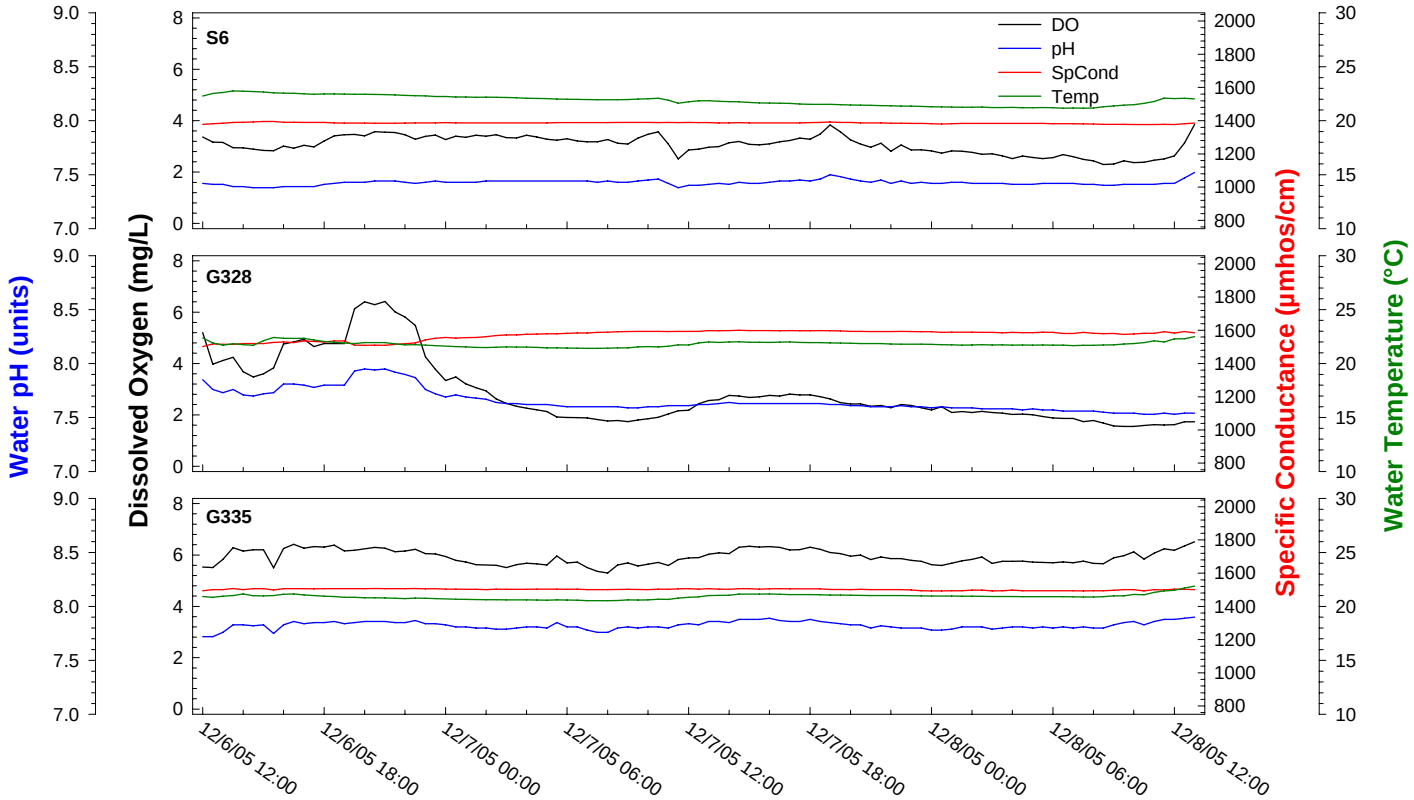

Figure 3. Diel measurements at S6, G328, and G335 in STA-2, December 6–8, 2005.

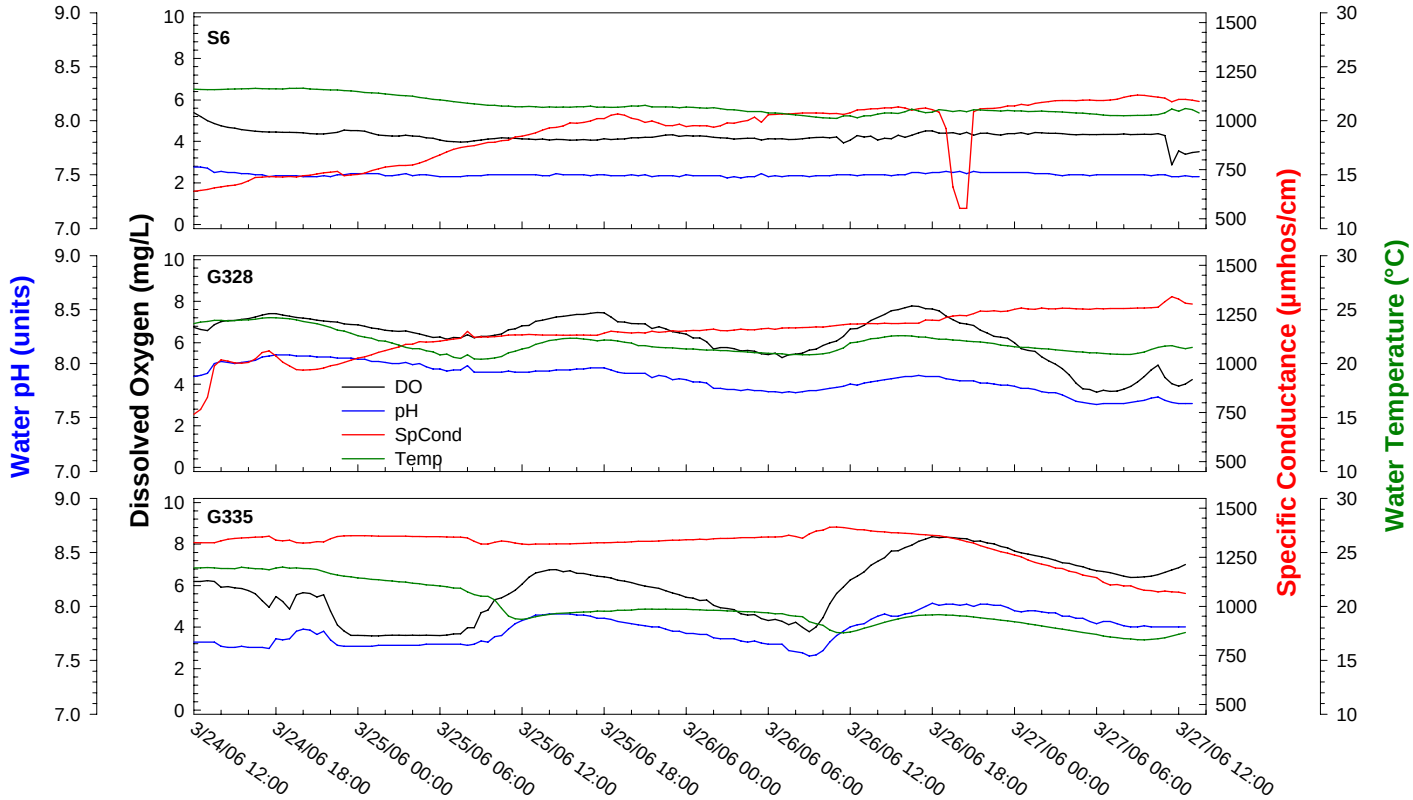

Figure 4. Diel measurements at S6, G328, and G335 in STA-2, March 24–27, 2006.

Table 2. Statistical summary of diel parameters for stations.

Period	Station	Water Temperature (°C)						Specific Conducticity (µS/cm)						Water pH						Dissolved Oxygen (mg/L)					
		No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation
08/15/2005 - 08/19/2005	C.25	179	29.64	28.92	29.62	30.26	0.35	179	1130.7	1117	1130	1149	7.5	179	7.32	7.29	7.31	7.39	0.02	179	0.38	0.08	0.37	0.68	0.11
	C1	179	28.67	27.98	28.66	29.32	0.37	179	1187.8	1182	1188	1199	4.5	179	7.23	7.16	7.24	7.28	0.03	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-
	C4	179	29.99	28.90	29.97	31.25	0.68	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-
09/19/2005 - 09/23/2005	C.25	179	27.64	27.04	27.64	28.40	0.34	179	1295.6	1270	1291	1344	19.6	179	7.33	7.30	7.34	7.36	0.02	179	0.34	0.20	0.32	0.56	0.09
	C1	179	26.85	26.25	26.87	27.39	0.32	179	1306.7	1283	1300	1360	20.6	179	7.36	7.32	7.36	7.40	0.02	179	1.49	0.85	1.42	2.48	0.42
	C4	179	27.51	26.31	27.45	28.95	0.69	179	1223.4	1192	1215	1312	31.7	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-
10/17/2005 - 10/21/2005	C.25	185	26.34	25.53	26.34	27.18	0.39	185	1363	1355	1363	1371	4.2	185	7.44	7.39	7.43	7.53	0.03	185	0.44	0.05	0.40	1.10	0.24
	C1	185	25.34	24.71	25.35	26.00	0.33	185	1434.4	1428	1434	1440	2.5	185	7.32	7.27	7.32	7.39	0.03	185	1.18	0.28	1.18	2.26	0.52
	C4	185	27.09	24.86	26.82	30.43	1.35	185	1320.8	1259	1321	1363	23.5	185	7.56	7.38	7.50	7.91	0.15	185	3.77	1.38	3.56	7.03	1.49

ND – No data was available for this deployment period.

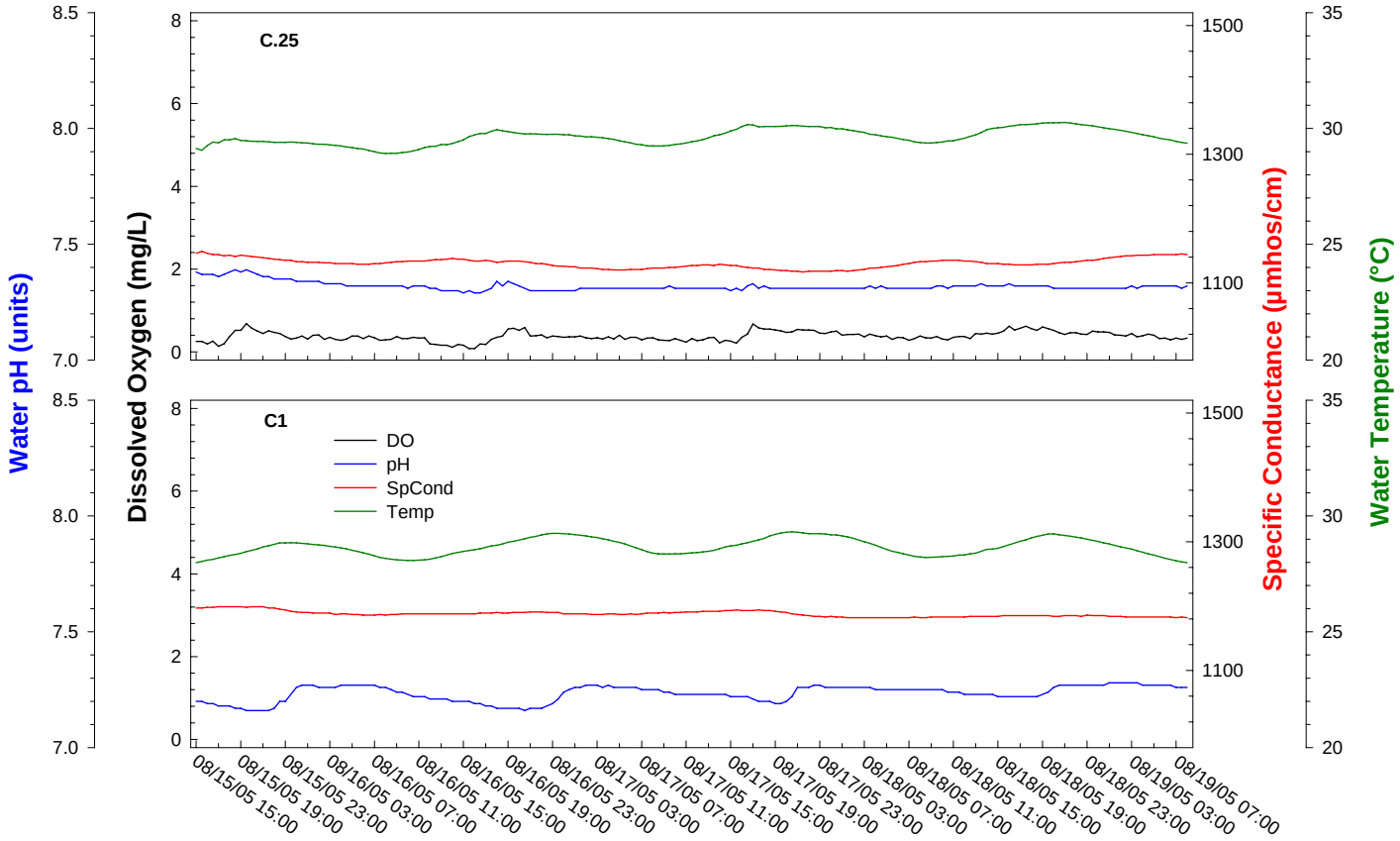

Figure 5. Diel measurements along Transect C in WCA-2A, August 15–19, 2005.

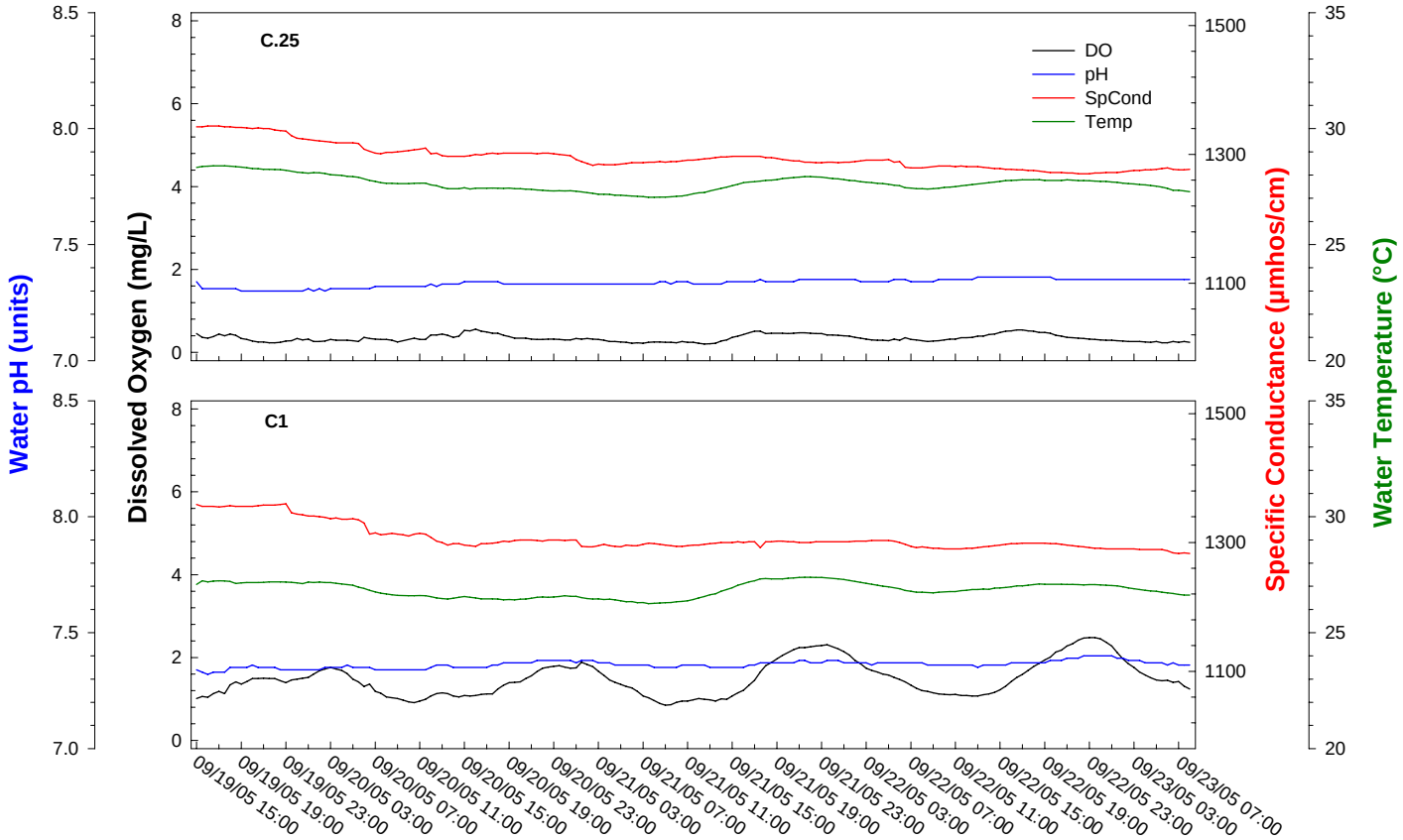

Figure 6. Diel measurements along Transect C in WCA-2A, September 19–23, 2005.

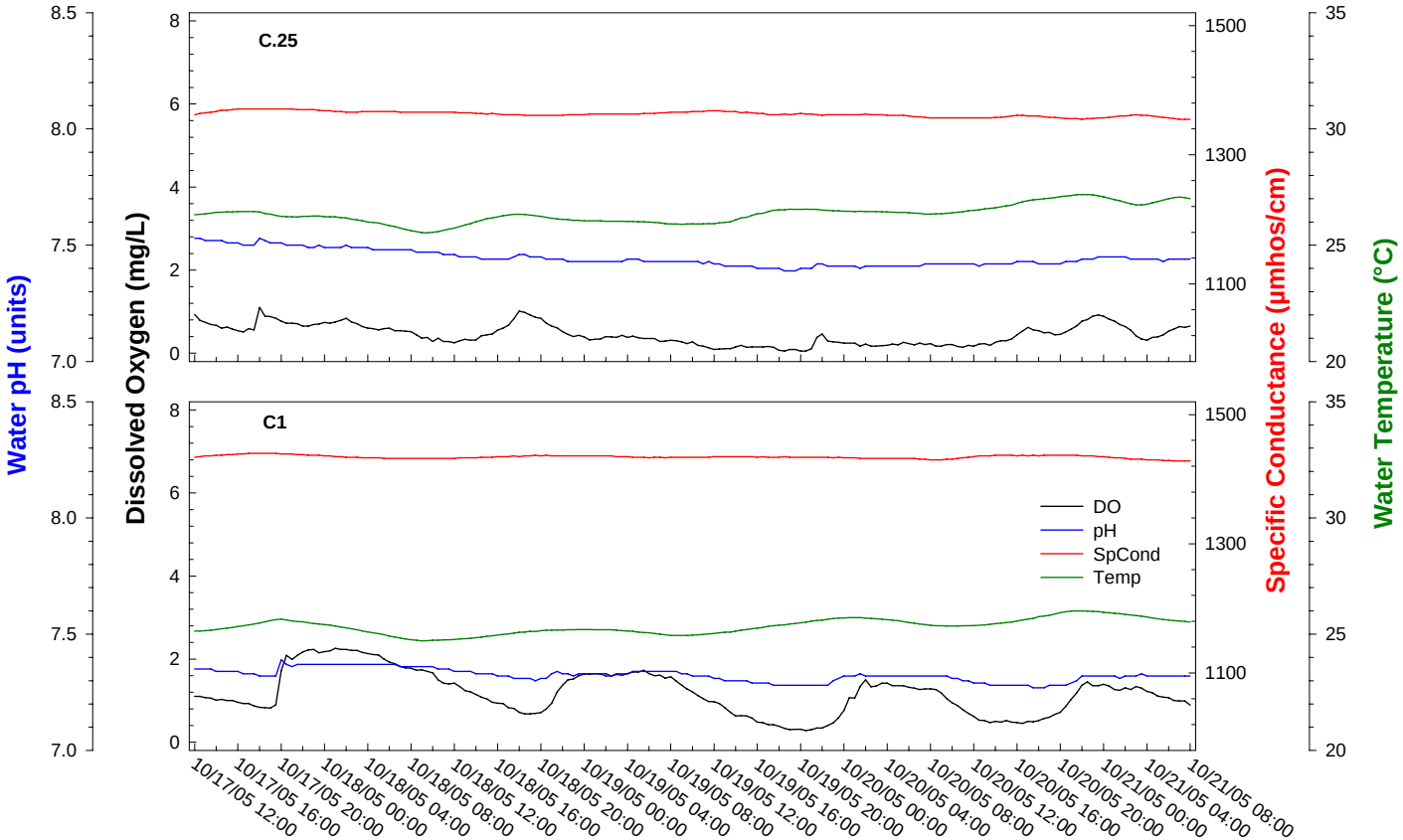

Figure 6. Diel measurements along Transect C in WCA-2A, October 17–21, 2005.

Table 3. Statistical summary of diel parameters for stations.

Period	Station	Water Temperature (°C)						Specific Conducticity (µS/cm)						Water pH						Dissolved Oxygen (mg/L)					
		No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation
08/15/2005 - 08/19/2005	N.25	179	30.76	29.32	30.72	32.25	0.80	179	1166.6	1154	1166	1180	7.2	179	7.65	7.54	7.63	7.83	0.06	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-
	N1	179	29.30	28.12	29.31	30.20	0.54	179	1161.7	1145	1165	1178	11.0	179	7.37	7.26	7.38	7.50	0.06	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-
	N4	179	28.10	26.74	27.98	29.80	0.76	179	1137.5	1104	1138	1162	14.4	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-
09/19/2005 - 09/23/2005	N.25	179	28.26	27.18	28.35	29.24	0.57	179	1306.8	1274	1312	1324	15.9	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	179	2.84	1.04	2.53	6.04	1.37
	N1	178	27.43	26.36	27.50	29.40	0.64	178	1270.5	1249	1266	1313	15.9	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-	178	0.75	0.08	0.52	2.75	0.65
	N4	178	26.49	25.92	26.46	26.97	0.31	178	1262.2	1192	1255	1343	36.6	178	7.32	7.26	7.32	7.36	0.02	178	0.80	0.09	0.79	1.37	0.32
10/17/2005 - 10/21/2005	N.25	185	26.27	25.04	26.06	27.91	0.78	185	1407.9	1390	1405	1432	11.5	185	7.66	7.56	7.64	7.86	0.08	185	1.85	0.43	1.50	4.76	1.25
	N1	185	26.13	24.66	26.16	28.85	0.85	185	1410.4	1398	1412	1423	5.5	185	7.51	7.43	7.50	7.71	0.05	185	0.95	0.06	0.61	4.27	0.86
	N4	185	25.06	24.08	24.99	25.99	0.44	185	1426.3	1402	1432	1443	10.4	185	7.32	7.26	7.32	7.44	0.03	185	0.99	0.22	0.98	1.80	0.38

ND – No data was available for this deployment period.

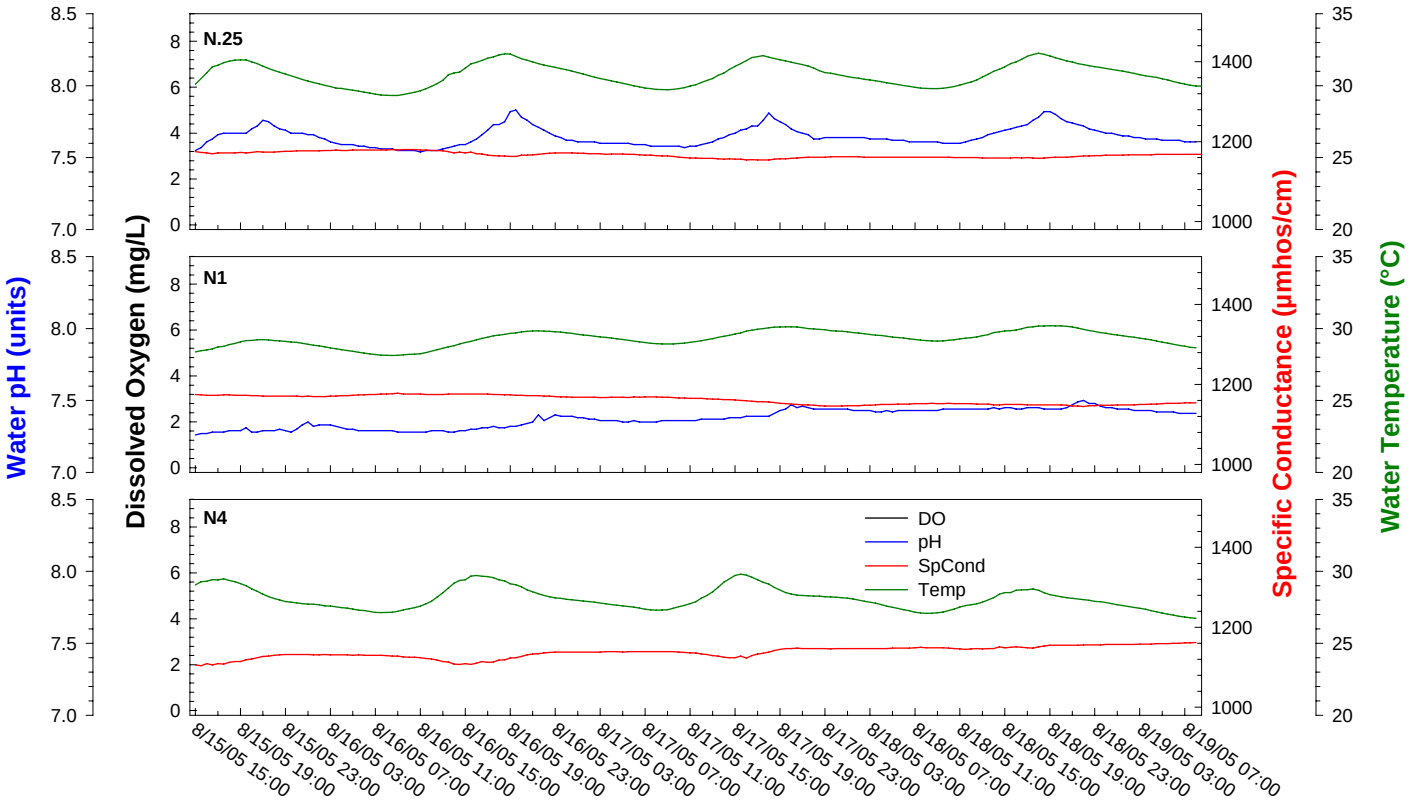

Figure 7. Diel measurements along Transect N in WCA-2A, August 15–19, 2005.

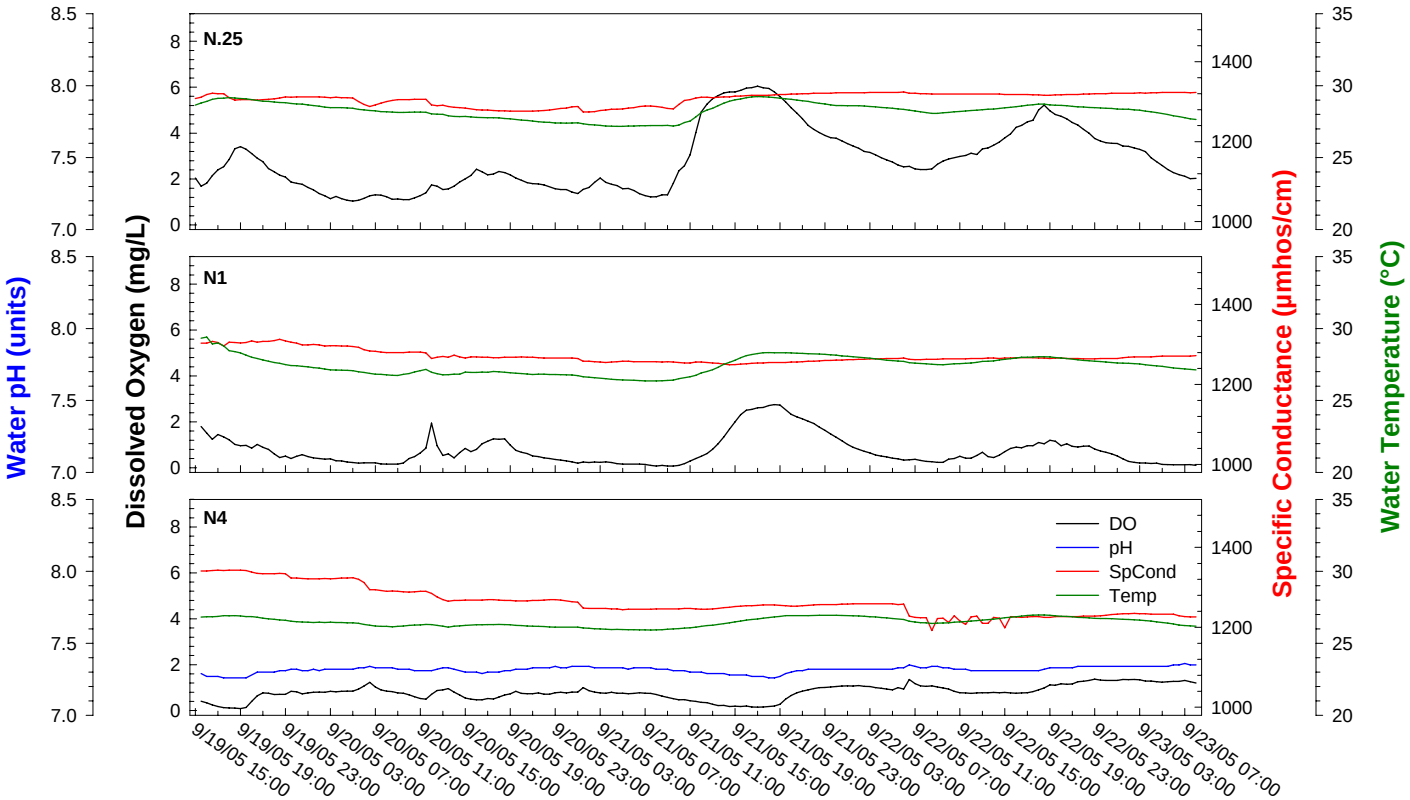

Figure 8. Diel measurements along Transect N in WCA-2A, September 19–23, 2005.

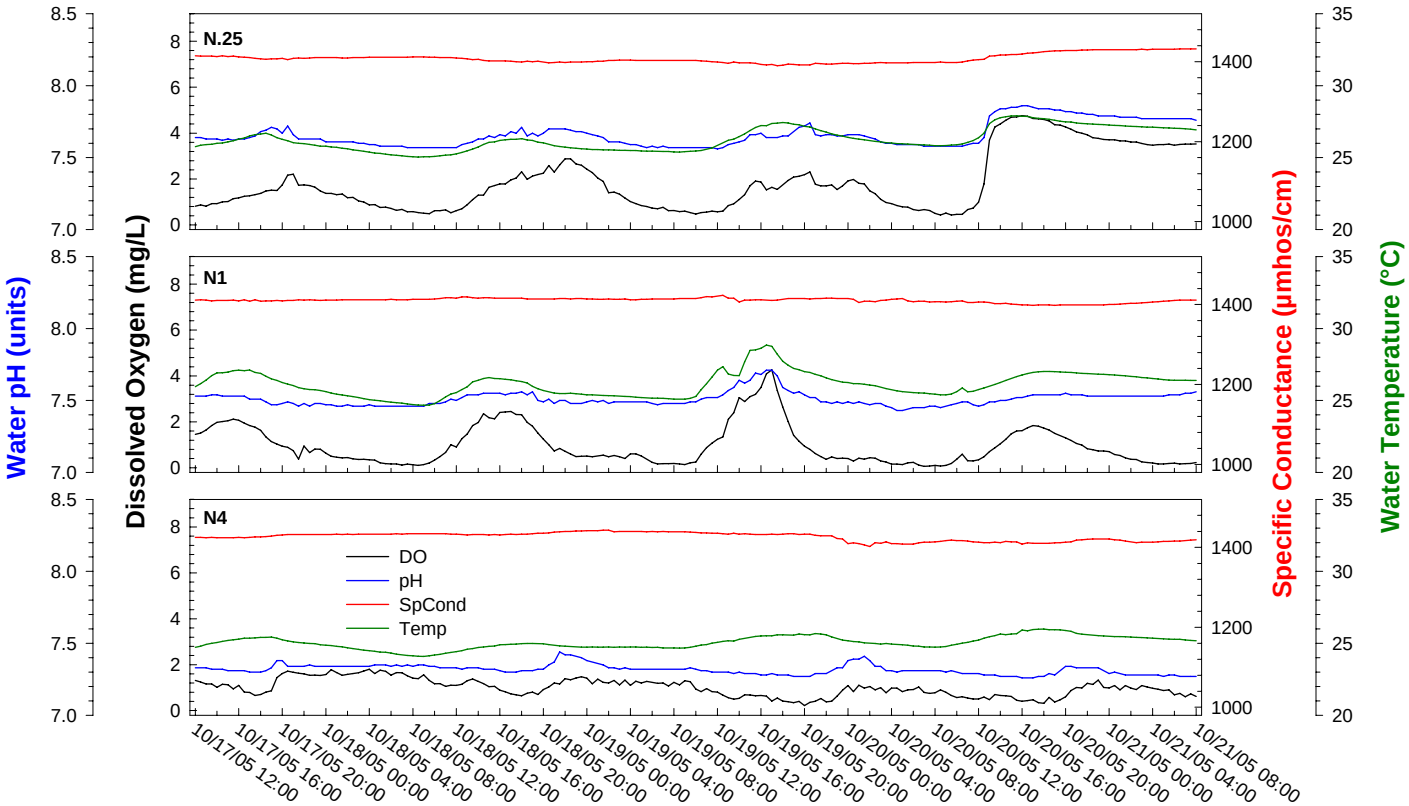

Figure 9. Diel measurements along Transect N in WCA-2A, October 17–21, 2005.

Table 4. Statistical summary of diel parameters for stations.

Period	Station	Water Temperature (°C)						Specific Conducticity (µS/cm)						Water pH						Dissolved Oxygen (mg/L)					
		No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation	No. of Samples	Mean	Minimum	Median	Maximum	Standard Deviation
08/15/2005 - 08/19/2005	S4	179	30.26	28.99	30.16	31.39	0.62	179	1226.1	1205	1227	1255	12.2	179	7.43	7.29	7.43	7.62	0.07	-ND-	-ND-	-ND-	-ND-	-ND-	-ND-
09/19/2005 - 09/23/2005	S4	179	27.44	26.24	27.33	29.46	0.72	179	992.1	960	995	1027	16.3	179	7.36	7.26	7.36	7.52	0.06	179	2.39	0.91	2.25	4.27	0.95
10/17/2005 - 10/21/2005	S4	185	27.36	25.21	27.10	30.64	1.38	185	978.3	920	980	1029	28.2	185	7.60	7.32	7.55	8.06	0.22	185	5.68	1.60	5.55	9.68	2.25

ND – No data was available for this deployment period.

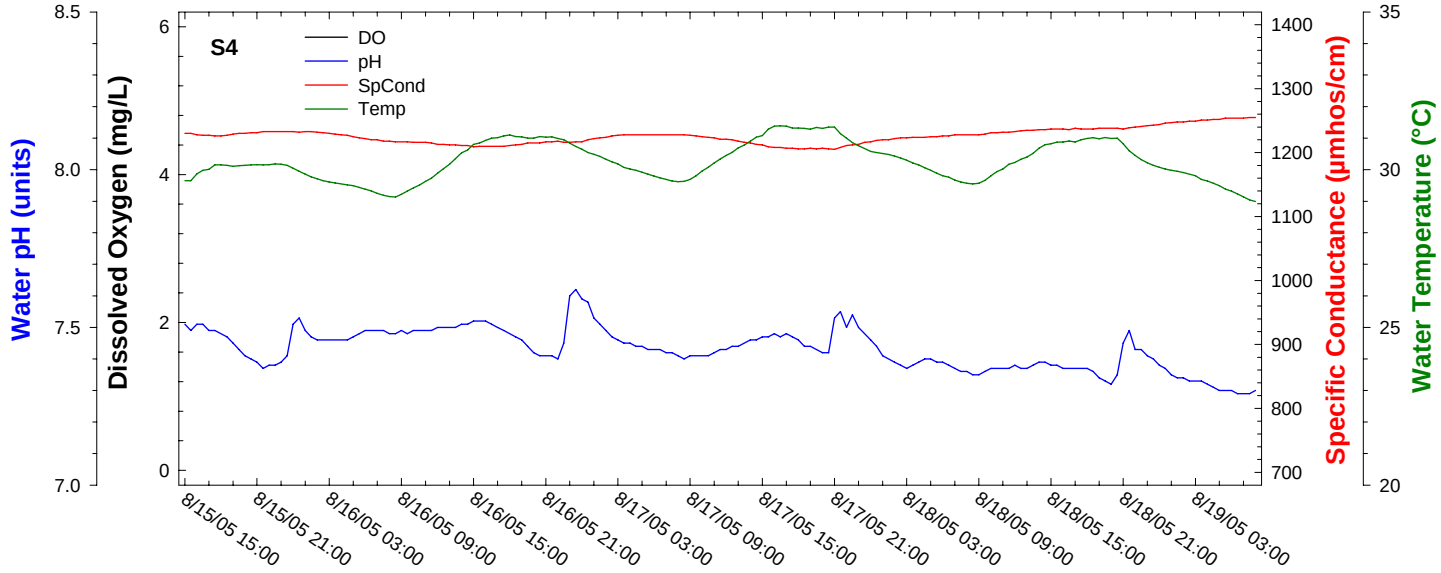

Figure 10. Diel measurements at Station S4 in WCA-2A, August 15–19, 2005.

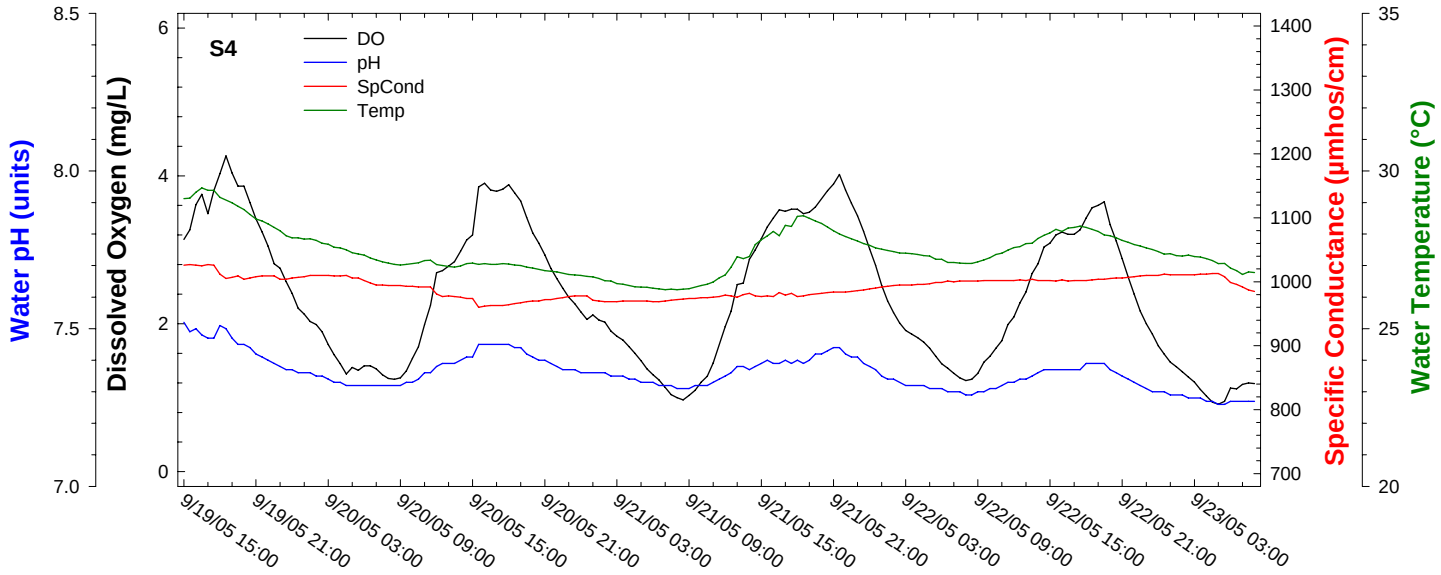

Figure 10. Diel measurements at Station S4 in WCA-2A, September 19–23, 2005.

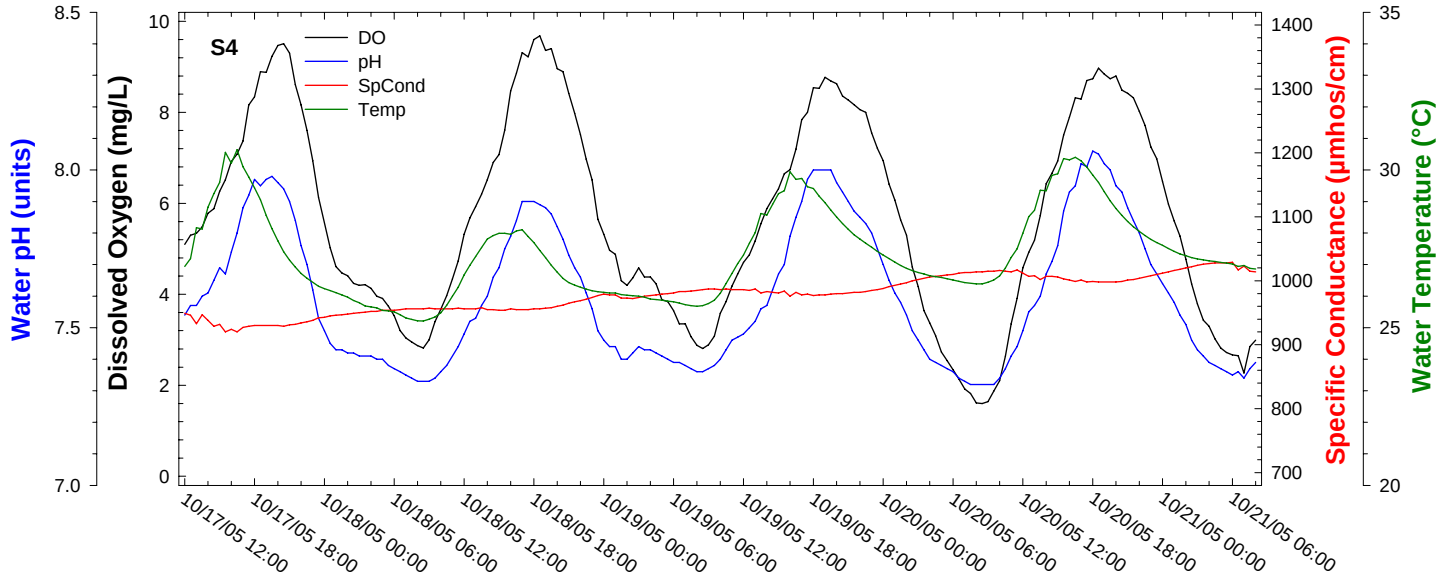

Figure 10. Diel measurements at Station S4 in WCA-2A, October 17–21, 2005.