

# AMBIENT LAKE MONITORING NETWORK

**Lake Name:** A. Clemente Inc. Pond

**County:** SALEM

**SiteID:** NJW04459-048

**Municipality:** CARNEYS POINT TWP

## Surface to Bottom Profile

**Season:** Spring

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	8.3	1	3.2	18.91	8.47	92.1	7.35	0.195
1	8.3	2	3.2	18.58	8.47	91.5	7.39	0.195
1	8.3	3	3.2	18.2	8.75	93.8	7.52	0.195
1	8.3	4	3.2	17.53	9.03	95.6	7.52	0.196
1	8.3	5	3.2	13.98	12.06	118.3	8.65	0.2
1	8.3	6	3.2	10.86	10.39	95	7.09	0.199
1	8.3	7	3.2	9.65	4.8	42.7	6.37	0.2
2	1.4	1	1.4	20.53	8.38	94.2	7.07	0.194

**Season:** Summer

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	8.2	1	2.2	29.21	7.6	99.2	8.5	0.192
1	8.2	2	2.2	28.91	7.64	99.1	8.42	0.192
1	8.2	3	2.2	28.79	7.71	99.8	8.36	0.192
1	8.2	4	2.2	28.46	7.69	99.1	8.03	0.192
1	8.2	5	2.2	25.73	10.69	131	7.56	0.203
1	8.2	6	2.2	22.19	8.67	99.5	7.09	0.21
1	8.2	7	2.2	18.48	4.77	50.5	6.69	0.213
1	8.2	8	2.2	15.38	0.72	7.2	6.5	0.241
2	1.4	1	1.2	28.62	7.38	95.5	6.92	0.19

**Season:** Fall

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	8.3	1	1.8	19.31	7.64	81.5	6.78	0.169
1	8.3	2	1.8	19.06	7.69	81.6	6.78	0.169
1	8.3	3	1.8	18.88	7.36	77.9	6.76	0.169
1	8.3	4	1.8	18.76	7.08	74.7	6.71	0.169
1	8.3	5	1.8	18.68	6.69	70.5	6.66	0.169
1	8.3	6	1.8	18.57	6.47	68	6.62	0.17
1	8.3	7	1.8	18.51	5.75	60.5	6.57	0.17
1	8.3	8	1.8	18.4	0.9	9.4	6.59	0.34
2	1.3	1	1.3	18.11	7.52	78.3	6.69	0.167

-Secchi measurements are not recorded for outlets.

-A blank Secchi measurement for lake stations means that an accurate measurement could not be recorded.

-A blank parameter result means the parameter could not be measured due to a meter malfunction.

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## Lake Profile Raw Data

### Season: Spring

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.01	0.501	0.568	0.056	4	12	57.199	2.6
2	ND	0.532	0.341	0.070	6.2	15	56.828	2.18

### Season: Summer

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.011	0.414	0.161	0.005	7.5	12	51.210	1.67
2	0.047	0.725	0.016	0.004	61.9	14	51.636	4.53

### Season: Fall

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.013	0.316	0.154	0.118	3.9	12	53.245	2.18
2	0.016	0.381	0.095	0.079	5.5	13	53.281	1.03

Sample Device - Horizontal Polycarbonate Sampler

"ND" indicates the result is at a concentration below the analytical method's Reporting Limit (RL). See Volume 1, Methods.

-A blank parameter result means the parameter could not be analyzed due to laboratory error.