

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Memorial Lake

County: Salem

SiteID: NJW04459-229

Municipality: Woodstown

## Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/6/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.134	1.2	3.74	0.148	27.03	29	83.3	32.9
2	0.182	1.42	3.86	0.173	44.21	30	85.4	36.5
3	0.174	1.18	3.85	0.18	27.89	42	84.1	33.1

Season: Summer

Date sampled: 6/17/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.239	1.6	1.76	0.104	75.29	48	98.3	31.5
2	0.221	1.24	1.89	0.042	79.29	72	99.8	29.1
3	0.305	1.36	2.43	0.196	38.96	40	100	42.0

Season: Fall

Date sampled: 9/13/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.254	1.63	0.0837	0.038	108.8	51	103	17.9
2	0.503	1.38	0.962	0.09	79.97	39	106	16.1
3	0.145	1.31	1.79	0.185	50.44	40	105	14.1

Sample Device - Horizontal Polycarbonate Sampler

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

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

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Memorial Lake

County: Salem

SiteID: NJW04459-229

Municipality: Woodstown

## Surface to Bottom Profile

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/6/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1	0.5	0.4	20.46	8.33	92.7	7.08	0.21
2	0.9	0.5	0.3	19.86	7.42	81.6	7.05	0.211
3	0.8	0.4	0.3	18.22	7.6	80.9	6.98	0.211

Season: Summer

Date sampled: 6/17/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1	0.5	0.4	26.15	7.11	88.2	7.26	0.235
2	1.2	0.7	0.4	26.18	7.77	96.4	7.05	0.235
3	0.8	0.4	0.3	26.03	5.87	72.6	6.86	0.24

Season: Fall

Date sampled: 9/13/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1	0.5	0.4	21.35	11.78	132.8	8.65	0.23
2	1.1	0.5	0.5	21.2	7.81	87.7	7.16	0.235
3	0.7	0.3	0.6	20.81	5.54	61.8	7.02	0.235

-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.