

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Memorial Lake  
SiteID: NJW04459-229

County: SALEM  
Municipality: WOODSTOWN

## Surface to Bottom Profile

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	1.1	0.8	0.3	27.49	7.88	99.7	7.68	0.255
2	1.1	0.8	0.3	27.74	11.16	141.9	8.7	0.259
3	0.9	0.6	0.3	26.73	9.21	116.1	8.41	0.265
outlet	0.6	0.3		28.56	7.33	94.5	8.42	0.252

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	1.1	0.8	0.4	25.5	6.26	76.1	7.48	0.278
2	1.1	0.8	0.3	25.56	6.28	76.5	7.33	0.276
3	0.9	0.6	0.3	24.44	5.72	68.3	7.44	0.275
outlet	0.6	0.3		25.61	6.4	77.9	7.41	0.279

-Secchi measurements are not recorded for outlets.

-A blank Secchi measurement for lake stations means that an accurate measurement could not be recorded because visibility was obscured by vegetation.

-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: Summer

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	138.07	1.29	0.104	0.157	75.3	58	90	33.6
2	138.14	1.17	0.336	0.074	75.7	59	95.7	21.4
3	258.41	1.47	0.774	0.136	107.8	58	96	43.9
outlet	131.96	1.55	0.091	0.148	77.2	58	90.1	23.4

Season: Fall

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	131.68	0.991	0.507	0.046	69.7	57	104.5	14.4
2	160.93	0.953	0.559	0.075	72.2	58	103.6	23.4
3	262.15		0.614	0.075	101.8	59	102.9	27.8
outlet	134.46	0.928	0.572	0.069	44.9	58	103	12.8

Sample Device - Horizontal Polycarbonate Sampler

"<" 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.