

AMBIENT LAKE MONITORING NETWORK

Lake Name: Osborne Pond

County: MONMOUTH

SiteID: NJW04459-117

Municipality: WALL 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	1.3	1	1	15.02	5.42	53.9	6.33	0.26
outlet	0.4	0.4		19.79	7.89	86.6	6.44	0.226

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	1.2	0.5		25.72	3.61	44.2	6.3	0.201
outlet	0.6	0.6		27.25	7.07	88.9	6.32	0.18

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	1.3	1	0.7	17.08	4.53	46.4	6.69	0.21
outlet	0.5	0.5		17.43	8.97	92.6	6.46	0.207

-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	0.082	0.801	0.511	0.074	7.0	19.000	34.752	6.91
outlet	0.054	0.588	0.516	0.052	8.7	12.000	34.776	5.38

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	0.064	0.586	0.198	0.061	21.9	14.000	29.091	3.66
outlet	0.101	0.494	0.184	0.049	21.3	31.000	28.608	2.97

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	0.09	0.922	0.179	0.044	112.64	12.000	14.633	6.54
outlet	0.01	0.223	0.214	0.032	5.24	14.000	32.507	2.80

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.