

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Wampum Lake  
SiteID: NJW04459-222

County: MONMOUTH  
Municipality: EATONTOWN BORO

## 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	0.8	22.69	5.5	64	6.54	0.403
2	1.7	0.9	0.8	23.7	3.98	47	6.55	0.413
outlet	0.3	0.2		24.81	7.32	89	6.85	0.412

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	0.9	0.6	0.5	21.97	7.54	86.1	6.59	0.423
2	1.7	0.9	0.5	22.06	5.37	61.4	6.73	0.423
outlet	0.6	0.3		22.71	7.56	87.7	7.01	0.424

-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	41.87	0.435	0.59	0.069	48.7	37	90.5	18.6
2	50.53	0.765	0.593	0.179	31.1	37	89.8	26.1
outlet	59.44	0.659	0.613	0.157	39.1	38	88.9	24.7

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	<10.37	0.465	0.394	0.04	36.2	37	97.3	11.7
2	61.15	0.528	0.419	0.072	50.3	36	97	15.5
outlet	61.55	0.552	0.402	0.074	60.4	39	99.6	13.7

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.