

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Watchu Pond

County: SUSSEX

SiteID: NJW04459-233

Municipality: BYRAM TWP

## 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	2.4	0.9	0.9	25.7	2.73	33.6	6.97	0.129
2	1.1	0.9	0.3	24.1	1.65	19.7	6.02	0.14

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	0.9	0.8	12.98	8.2	73.4	7.48	0.098
2	1.3	0.9	0.8	12.39	8.34	67.6	7.46	0.079
3	1.1	0.8	0.9	13.12	7.8	60.2	7.35	0.079
outlet	0.2	0.2		13.01	8.39	74	7.14	0.104

-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	< 38.41	0.541	<0.006	0.022	16.9	63	64.2	2.23
2	51.79	0.585	<0.006	0.023	25.2	62	64.4	2.77

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	12.79	0.4	<0.006	0.019	3.9	34	46.7	0.77
2	58.18	0.414	<0.006	0.014	5.7	27	40.6	1.25
3	<10.37	0.493	<0.006	0.01	16.7	25	36.1	2.86
outlet	35.67	0.681	<0.006	0.029	6.0	42	50.5	0.55

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.