

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Bear Swamp Lake

County: BERGEN

SiteID: NJW04459-240

Municipality: MAHWAH

## 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	1.2	0.6	0.8	14.46	5.82	59.7	5.64	0.024
outlet	0.2	0.2		15.76	7.64	80.4	5.88	0.023

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	0.7	0.3	0.3	20.85	0.11	1.3	5.27	0.035
outlet	0.1	0.1		21.87	4.08	47.6	5.75	0.031

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	0.5	0.9	7.08	7.03	59.4	5.84	0.031
outlet	0.1	0.1		7.27	9.61	81.7	5.86	0.029

-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	0.008	0.470	0.006	0.018	3.7	5	10.461	1.27
outlet	ND	0.446	0.020	0.017	2.5	5	9.638	1.44

### 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	0.028	0.707	0.010	0.022	12.3	11	16.755	1.61
outlet	0.024	0.602	0.015	0.065	7.9	10	13.425	1.73

### 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	0.025	0.322	0.002	0.014	3.2	8.200	13.629	0.83
outlet	0.017	0.275	0.002	0.015	2.3	14.300	12.277	0.6

Sample Device - Horizontal Polycarbonate Sampler

"ND" 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.