

AMBIENT LAKE MONITORING NETWORK

Lake Name: Washington Lake

County: PASSAIC

SiteID: NJW04459-100

Municipality: WANAQUE BORO

Surface to Bottom Profile

Season: Spring

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	1.4	1	1.1	20.06	5.49	62.7	6.6	0.108
2	3.2	1	1.8	21.17	7.69	89.8	6.91	0.109
2	3.2	2	1.8	18.1	9.93	109.1	7	0.102
2	3.2	3	1.8	12.59	9.41	91.7	6.89	0.09
outlet	0.2	0.2		21.64	7.75	91.3	7.01	0.121

Season: Summer

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	1.5	1	1.2	27.16	4.86	61.7	6.64	0.096
2	3	1	1.1	27.6	7.42	95.4	7.11	0.099
2	3	2	1.1	25.15	3.55	43.8	6.74	0.102
outlet	0.1	0.1		25.59	6.74	83.6	6.85	0.14

Season: Fall

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	0.3	0.1	0.3	14.8	7.5	73.8	6.22	0.119
2	3.5	1	1	15.17	6.51	64.5	6.52	0.131
2	3.5	2	1	14.92	4.19	41.3	6.53	0.133
2	3.5	2.9	1	14.6	2.93	28.8	6.5	0.134

-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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Municipality: WANAQUE BORO

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	0.048	0.485	0.269	0.005	7.6	22.000	31.603	3.35
2	0.034	0.528	0.156	0.005	7.0	26.000	31.562	2.39
outlet	0.026	0.598	0.450	0.106	4.9	20.000	50.982	2.44

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	0.041	0.507	0.050	0.031	35.02	15.000	33.669	5
2	0.047	0.494	0.041	0.024	32.05	20.000	34.838	4.58
outlet	0.041	0.732	0.438	0.333	13.92	39.000	49.286	4.14

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	0.044	0.568	0.076	0.197	15.81	40.000	37.494	4.48
2	0.047	0.914	0.122	0.471	29.18	30.000	43.615	5.18

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.