

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Lower Lake

County: OCEAN

SiteID: NJW04459-068

Municipality: LACEY 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	1.5	1	0.8	15.13	7.57	75.8	4.53	0.063
2	0.9	0.5	0.8	15.31	7.81	78.6	4.39	0.064
outlet	0.1	0.1		14.98	7.93	79.2	4.6	0.062

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	1.8	1	1	28.31	3.47	44	4.37	0.063
2	0.9	0.5	0.7	31.28	5.2	69.9	4.5	0.057
outlet	0.1	0.1		30.73	6.19	82.3	4.62	0.057

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	1.6	1	1.2	18.63	6.39	67.3	4.34	0.061
2	0.9	0.5	0.7	18.89	7.69	81.4	4.44	0.06
outlet	0.2	0.2		19.6	8.09	86.8	4.33	0.059

-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	0.006	0.376	0.038	0.035	4.3	1	6.137	2.59
2	0.041	0.351	0.037	0.039	6.8	1	6.407	2.91
outlet	ND	0.418	0.036	0.037	4.8	1	6.997	2.34

### 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	0.011	0.340	0.010	0.014	14.2	1	5.471	2.68
2	0.051	0.270	0.006	0.015	6.1	1	5.291	1.58
outlet	0.016	0.265	0.006	0.036	6.7	3	6.166	1.76

### 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	ND	0.275	0.073	0.053	1.7	1	6.125	1.99
2	ND	0.349	0.058	0.025	6.4	1	6.312	2.05
outlet	ND	0.384	0.058	0.070	2.2	1	7.239	1.89

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.