

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Highland Lake

County: Sussex

SiteID: NJW04459-022

Municipality: Vernon Twp

## Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 5/19/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.03	0.271	0.00962	0.01	3.55	40	89.5	2.9

Season: Summer

Date sampled: 8/12/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.063	0.466	0.0123	0.0154	24.74	ND	102	3.71

Season: Fall

Date sampled: 10/12/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.019	0.505	0.0276	0.01	27.66	69	102	2.45

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.

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Highland Lake

County: Sussex

SiteID: NJW04459-022

Municipality: Vernon Twp

## Surface to Bottom Profile

Panel: 1 Round: 2

Season: Spring

Date sampled: 5/19/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	2.6	1	2.0	15.67	7.01	74.2	7.43	0.355
1	2.6	2	2.0	15.48	6.66	70.1	7.42	0.356

Season: Summer

Date sampled: 8/12/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	2.3	1	1.6	26.53	6.33	82.8	8	0.44
1	2.3	2	1.6	26.52	6.26	81.7	8.03	0.441

Season: Fall

Date sampled: 10/12/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	2.6	1	1.4	14.99	9.21	96.3	7.7	0.406
1	2.6	2	1.4	14.73	7.49	77.9	7.62	0.408

-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.