

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Carasaljo Lake

County: OCEAN

SiteID: NJW04459-283

Municipality: LAKEWOOD 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	2.9	1	1.8	8.4	9.3	78.4	5.87	0.104
1	2.9	2	1.8	8.21	9.15	76.9	6.07	0.103
2	1.8	1	1.4	7.79	9.18	76.4	6.42	0.097
3	1	0.5	1	7.89	9.49	79.1	6.57	0.095

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	2.8	1	1.1	24.86	6.85	82.9	6.45	0.118
1	2.8	2	1.1	21.77	1.57	17.9	6.28	0.113
1	2.8	2.5	1.1	19.67	2.36	25.7	6.07	0.12
2	2.1	1		22.49	2.91	33.9	6.14	0.12
2	2.1	2		20.79	0.43	4.8	6.11	0.132
3	0.9	0.5	0.7	22.14	5.57	64	6.04	0.133

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	2.9	1	1.7	18.89	6.79	72.2	6.53	0.11
1	2.9	2	1.7	17.6	5.95	61.5	6.4	0.117
2	2.2	1	1.8	20.28	8.01	87.2	6.44	0.111
3	0.9	0.5	0.9	17.71	7.99	82.9	6.46	0.12

-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 Name: Carasaljo Lake

County: OCEAN

SiteID: NJW04459-283

Municipality: LAKEWOOD TWP

## 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	0.02	0.640	0.438	0.318	3.15	15	22.8	4.26
2	0.032	0.568	0.393	0.0309	2.08	28	21.1	5.61
3	0.035	0.591	0.382	0.0277	3.52	13	21.0	5.58

### 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	0.045	0.689	0.349	0.0374	19.68	25	56	5.81
1A	0.045	0.713	0.345	0.0936	14.98	12	25.7	6.43
2	0.058	0.734	0.455	0.0352	22.16	2	27	7.18
3	0.069	0.689	0.349	0.0374	39.37	25	26	10.6

### 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	0.042	0.383	0.381	0.0352	3.94	15	26.8	4.34
2	0.038	0.380	0.381	0.0207	9.14	19	26.5	4.01
3	0.053	0.422	0.498	0.0227	19.65	5.0	27.3	5.65

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.