



CRYSTAL LAKE ASSOCIATION FIELD DATA SHEET

Water Quality Test Results For
August 16th, 2017

DEPTH (METERS)	TEMPERATURE °CENTRIGRADE	DISSOLVED OXYGEN (MG/L)
1	24.6 (76.28°F)	8.53
2	24.0 (75.20°F)	8.46
3	24.3 (75.74°F)	8.38
4	24.4 (75.92°F)	8.34
5	24.5 (76.10°F)	8.30
6	20.8 (69.44°F)	9.20
7	18.0 (64.40°F)	10.13
8	14.1 (57.38°F)	9.05
9	11.6 (52.88°F)	7.19
10	10.4 (50.72°F)	4.97
11	09.0 (48.20°F)	3.73
12	08.3 (46.94°F)	2.52
13	07.5(45.50°F)	0.54

DATE: 8/16/17 **TIME:** 3PM **Temperature:** 86°F **Bottom Depth:** 13+ M **SECCHI:** 6.5 M
With scope

Samples:

- At surface, 1M, 7M & 10M: Phosphorus taken monthly April – October
- Aborn Brook at Rt 140: Phosphorus & Nitrogen taken April, July & October
- Inlet on West Shore Rd north of ramp: Phosphorus & Nitrogen taken 2x per year when running
- Inlet on Rt 30 south of dam: Phosphorus & Nitrogen taken 2x per year when running

Comments: HACH Model HQ40d and the LD101 probe

Site: Triangulation of D Shay house (North) & Steele house (East) & White Rd (South)

Collection team: Laptik, Dwyer, Joffray

Delivery team: Rex Joffray

Recorded by: Vic Laptik

Notes:

Dissolved oxygen (DO) is one of the most important indicators of water quality. It is essential for the survival of fish and other aquatic organisms. Oxygen dissolves in surface water due to the aerating action of winds. Oxygen is also introduced into the water as a byproduct of aquatic plant photosynthesis.

Water temperature is one of the most important characteristics of an aquatic system, affecting: Dissolved oxygen levels. The solubility of oxygen decreases as water temperature increases.

Crystal Lake Association

316A Sandy Beach Road, Ellington, CT 06029