

TOTAL PHOSPHORUS	5/25/2023	6/25/2023	7/230/2023	8/20/2023	9/30/2023	2011 TM	
	mg/L	mg/L	mg/L	mg/L	mg/L	TMDL min	TMDL max
DEEP SPOT - EPI	0.018	0.015	0.031	0.027	0.018	0.010	0.021
DEEP SPOT - META			0.020	0.026	0.105	0.011	0.024
DEEP SPOT - HYPO	0.014	0.022	0.026	0.065	0.027	0.026	0.043
SOUTH INLET	0.018	0.012	0.025	0.021	0.020	0.022	0.022
NW INLET	0.014	0.012	0.030	0.024	0.026	0.022	0.022
OUTLET	0.017	0.010	0.029	0.023	0.019	0.014	0.017
TMDL Target TP = 0.012 mg/L							

pH	5/25/2023	6/25/2023	7/30/2023	8/27/2023	9/30/2023	pH 6.5 - 8.0 = satisfactory pH 5.5 - 6.4 = endanger pH 5.0 - 5.4 = critical Lake pH is important to reproduction of fish and
DEEP SPOT - EPI	6.91	6.55	6.66	6.79	6.87	
DEEP SPOT - META			6.44	6.47	6.5	
DEEP SPOT - HYPO	6.43 (6.45) dup	6.29	6.45	6.47	6.47	
SOUTH INLET	6.92 (6.89) dup	6.85	6.75	6.7	6.87	
NW INLET	6.88	6.97	6.67	6.72	6.74	
OUTLET	6.83	6.99	6.71	6.77	6.75	

CONDUCTANCE	5/25/2023	6/25/2023	7/25/2023	8/27/2023	9/30/2023	Conductivity is how we measure current. NH's soft water but lakes with Conductivity in uMhos/cm generally in disturbance (road salt)
DEEP SPOT - EPI	216	227	206	192	203	
DEEP SPOT - META			230	225	229	
DEEP SPOT - HYPO	221 (223) dup	235	233	240	242	
SOUTH INLET	218 (221) dup	226	208	204	206	
NW INLET	223	226	208	199.4	213	
OUTLET	213	220	205	194	201	

TURBIDITY	5/25/2023	6/25/2023	7/30/2023	8/27/2023	9/30/2023	Turbidity is the amount of sediment in the water. Levels range from 22 - <0.1, with Class B waters. Levels of 10 are a water quality concern.
DEEP SPOT - EPI	0.9	1.68	1.86	1.8	1.46	
DEEP SPOT - META			3.86	2.83	7.11	
DEEP SPOT - HYPO	0.76 (0.67) dup	10.7	8.45	13.4	11.1	
SOUTH INLET	0.68 (1.63) dup	1.63	0.69	1.87	1.62	
NW INLET	0.69	1.23	2.34	2.25	2.27	
OUTLET	0.91	1.08	2.09	1.84	1.33	

CHLORIDE	5/25/2023	6/25/2023	7/30/2023	8/27/2023	9/30/2023	High Chloride is from road salt systems. Undeveloped areas Acute limit = 860 mg/l; Chronic limit = 180 mg/l.
DEEP SPOT - EPI	56.1	48.8	46.9	47.1	53.8	
DEEP SPOT - HYPO	50.6 (57.6) dup	51.0	49	52.3	51	
SOUTH INLET	51.7 (47.3) dup	49	43.7	42.1	44	
NW INLET	47.5	49.4	43.5	40.8	43.1	
OUTLET						

Chlorophyll-a	5/25/2023	6/25/2023	7/30/2023	8/27/2023	9/30/2023

DEEP SPOT	3.05 (2.87) dup	4.42	1.74		8.44	0-5= good; 5.1-15= mo nuissance
Acid Neutrailizing Capacity (ANC)	5/25/2023	6/25/2023	7/30/2023	8/27/2023	9/30/2023	2.1-10= moderately vul vulnerability; >25= not
EPI	12	15.70	14.6	18.4	19.5	
Color & Secchi (NVS)	5/25/2023	6/25/2023	7/30/2023	8/27/2023	9/30/2023	A highly colored lake is associated with eutropl measures transparency
EPI Color	120			243	221	
EPI Secchi (NVS/VS)	1.38/2.16	1.2/2	0.6/1.1	0.75/1.75	0.625/1	

IDL STUDY
TMDL mean
0.016
0.016
0.033
0.022
0.022
0.016

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the survival and
d other aquatic life.

ell water carries a
r have low conductivity,
ivity over 100
dicates human
ng, septic pollution, etc.)

t of suspended
NH Lake turbidity levels
with the average at 1.0.
r quality violation for

oad salting/septic
lakes are ~ 2 mg/l. NH
Chronic limit = 230

re than desirable; >15

lnerable; 10.1-25 = low
vulnerable

often
hic waters. Secchi disk
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