

**EAL - EASTERN ANALYTICAL LABORATORY, INC.**

134 Boston Post Road, Old Saybrook, CT 06475

860-388-2378

PH0448

BATHING WATER REPORT - for Freshwater

REPORT TO: Hidden Lake Association c/o Jay Cassella, President  
12 Shore Dr.  
Higganum, CT 06441

SAMPLING INFORMATION:

SAMPLE # WP1743-9

TOWN: Higganum SOURCE (NAME OF BODY OF WATER) Hidden Lake

STATION NUMBER (or location) West Cove

DATE & TIME COLLECTED: 6/22/23 9:32am Collected by: James Nicholson

PREVIOUS 48 HR. RAINFALL: 0

WIND DIRECTION: \_\_\_\_\_ Bather Load: 0

DATE & TIME RECEIVED: 6/22/23 10:35am

Sampling and Testing Protocol: Reference - CDHS Guidelines 5/89, Pg.2 para 3 and Pg.3, para 5; and Beaches Environmental Assessment & Coastal Health Act dated 10/10/2000 modified by CT DEH#2002-22 dated 5/7/2002

LABORATORY REPORT

<u>TEST METHOD</u>	<u>TEST RESULTS</u>
E. coli Organisms (MF)	<u>15</u> col/100 ml
Turbidity, NTU	<u>1.8</u> units
Phosphorus, as P	<u>0.033</u> mg/L
Temperature	_____

Comments:

- A concentration of E. coli organisms less than or equal to 235 per 100 ml is generally considered satisfactory for a single sample from a bathing area.
- A single sample with a concentration of E. coli organisms greater than 235 per 100 ml is in excess of that which is normally considered acceptable for bathing. A resample is required. A sanitary survey of the surrounding watershed and areas that may impact the bathing area should be conducted immediately to evaluate suitability of the area for bathing if no known sources of contamination have already been identified. (Reference CT Dept. of Health Services Guidelines)

7/6/2023

*David M. Kirpas*

Form (Freshwater Report Form 6/05 Excel)

\_\_\_\_\_  
D.M.Kirpas/W. J. O'Shaughnessy, Technical Directors

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REPORT TO: Hidden Lake Association c/o Jay Cassella, President  
12 Shore Dr.  
Higganum, CT 06441

SAMPLING INFORMATION:

SAMPLE # WP1743-10

TOWN: Higganum

SOURCE (NAME OF BODY OF WATER) Hidden Lake

STATION NUMBER (or location)

Mill Bay (Dam)

DATE & TIME COLLECTED:

6/22/23 9:28am

Collected by: James Nicholson

PREVIOUS 48 HR. RAINFALL:

0

WIND DIRECTION:

Bather Load: 0

DATE & TIME RECEIVED:

6/22/23 10:35am

Sampling and Testing Protocol: Reference - CDHS Guidelines 5/89, Pg.2 para 3 and Pg.3, para 5; and Beaches Environmental Assessment & Coastal Health Act dated 10/10/2000 modified by CT DEH#2002-22 dated 5/7/2002

LABORATORY REPORT

TEST METHOD

TEST RESULTS

E. coli Organisms (MF)

EPA 1603

22 col/100 ml

Turbidity, NTU

SM2130B

1.9 units

Phosphorus, as P

SM4500PE-11

0.027 mg/L

Temperature

SM2550B

Comments:

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REPORT TO: Hidden Lake Association c/o Jay Cassella, President  
12 Shore Dr.  
Higganum, CT 06441

SAMPLING INFORMATION:

SAMPLE # WP1743-11

TOWN: Higganum

SOURCE (NAME OF BODY OF WATER) Hidden Lake

STATION NUMBER (or location)

South Cove

DATE & TIME COLLECTED:

6/22/23 9:19am

Collected by: James Nicholson

PREVIOUS 48 HR. RAINFALL:

0

WIND DIRECTION:

Bather Load: 0

DATE & TIME RECEIVED:

6/22/23 10:35am

Sampling and Testing Protocol: Reference - CDHS Guidelines 5/89, Pg.2 para 3 and Pg.3, para 5; and Beaches Environmental Assessment & Coastal Health Act dated 10/10/2000 modified by CT DEH#2002-22 dated 5/7/2002

LABORATORY REPORT

TEST METHOD

TEST RESULTS

E. coli Organisms (MF)

EPA 1603

11 col/100 ml

Turbidity, NTU

SM2130B

1.8 units

Phosphorus, as P

SM4500PE-11

0.031 mg/L

Temperature

SM2550B

Comments:

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REPORT TO: Hidden Lake Association c/o Jay Cassella, President  
12 Shore Dr.  
Higganum, CT 06441

SAMPLING INFORMATION:

SAMPLE # WP1743-12

TOWN: Higganum SOURCE (NAME OF BODY OF WATER) Hidden Lake

STATION NUMBER (or location) West Shore Beach

DATE & TIME COLLECTED: 6/22/23 9:36am Collected by: James Nicholson

PREVIOUS 48 HR. RAINFALL: 0

WIND DIRECTION: \_\_\_\_\_ Bather Load: 0

DATE & TIME RECEIVED: 6/22/23 10:35am

Sampling and Testing Protocol: Reference - CDHS Guidelines 5/89, Pg.2 para 3 and Pg.3, para 5; and Beaches Environmental Assessment & Coastal Health Act dated 10/10/2000 modified by CT DEH#2002-22 dated 5/7/2002

LABORATORY REPORT

<u>TEST METHOD</u>	<u>TEST RESULTS</u>
E. coli Organisms (MF)	EPA 1603 <u>10</u> col/100 ml
Turbidity, NTU	SM2130B <u>1.7</u> units
Phosphorus, as P	SM4500PE-11 <u>0.019</u> mg/L
Temperature	SM2550B _____

Comments:

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Higganum, CT 06441

SAMPLING INFORMATION:

SAMPLE # WP1743-13

TOWN: Higganum

SOURCE (NAME OF BODY OF WATER) Hidden Lake

STATION NUMBER (or location)

North Cove

DATE & TIME COLLECTED:

6/22/23 9:08am

Collected by: James Nicholson

PREVIOUS 48 HR. RAINFALL:

0

WIND DIRECTION:

Bather Load: 0

DATE & TIME RECEIVED:

6/22/23 10:35am

Sampling and Testing Protocol: Reference - CDHS Guidelines 5/89, Pg.2 para 3 and Pg.3, para 5; and Beaches Environmental Assessment & Coastal Health Act dated 10/10/2000 modified by CT DEH#2002-22 dated 5/7/2002

LABORATORY REPORT

TEST METHOD

TEST RESULTS

E. coli Organisms (MF)

EPA 1603

18 col/100 ml

Turbidity, NTU

SM2130B

1.9 units

Phosphorus, as P

SM4500PE-11

0.048 mg/L

Temperature

SM2550B

Comments:

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SAMPLING INFORMATION:

SAMPLE # WP1743-14

TOWN: Higganum

SOURCE (NAME OF BODY OF WATER) Hidden Lake

STATION NUMBER (or location)

Shore Beach

DATE & TIME COLLECTED:

6/22/23 9:24am

Collected by: James Nicholson

PREVIOUS 48 HR. RAINFALL:

0

WIND DIRECTION:

Bather Load: 0

DATE & TIME RECEIVED:

6/22/23 10:35am

Sampling and Testing Protocol: Reference - CDHS Guidelines 5/89, Pg.2 para 3 and Pg.3, para 5; and Beaches Environmental Assessment & Coastal Health Act dated 10/10/2000 modified by CT DEH#2002-22 dated 5/7/2002

LABORATORY REPORT

TEST METHOD

TEST RESULTS

E. coli Organisms (MF)

EPA 1603

8 col/100 ml

Turbidity, NTU

SM2130B

1.6 units

Phosphorus, as P

SM4500PE-11

0.030 mg/L

Temperature

SM2550B

Comments:

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Higganum, CT 06441

SAMPLING INFORMATION:

SAMPLE # WP1743-15

TOWN: Higganum

SOURCE (NAME OF BODY OF WATER) Hidden Lake

STATION NUMBER (or location)

East Shore Beach

DATE & TIME COLLECTED:

6/22/23 9:14am

Collected by: James Nicholson

PREVIOUS 48 HR. RAINFALL:

0

WIND DIRECTION:

Bather Load: 0

DATE & TIME RECEIVED:

6/22/23 10:35am

Sampling and Testing Protocol: Reference - CDHS Guidelines 5/89, Pg.2 para 3 and Pg.3, para 5; and Beaches Environmental Assessment & Coastal Health Act dated 10/10/2000 modified by CT DEH#2002-22 dated 5/7/2002

LABORATORY REPORT

TEST METHOD

TEST RESULTS

E. coli Organisms (MF)

EPA 1603

13 col/100 ml

Turbidity, NTU

SM2130B

1.7 units

Phosphorus, as P

SM4500PE-11

0.018 mg/L

Temperature

SM2550B

Comments:

- A concentration of E. coli organisms less than or equal to 235 per 100 ml is generally considered satisfactory for a single sample from a bathing area.
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