

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 # WP2274-5

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

STATION NUMBER (or location) East Shore Beach

DATE & TIME COLLECTED: 8/14/24 7:50am Collected by: A. Tremblay

PREVIOUS 48 HR. RAINFALL: _____

WIND DIRECTION: _____ Bather Load: _____

DATE & TIME RECEIVED: 8/14/24 10:50am

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	<u>17</u> col/100 ml
Turbidity, NTU	SM2130B	_____ units
Conductance	SM2510B	_____ umho/cm
Phosphorus, as P	SM4500PE-11	<u>0.040</u> mg/L

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)

8/21/2024

David M. Kirpas

Form (Freshwater Report Form 6/05 Excel)

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

Handwritten text, possibly a signature or date, located in the lower-left quadrant of the page.

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

SAMPLING INFORMATION:

SAMPLE # WP2274-6

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

STATION NUMBER (or location) North Cove

DATE & TIME COLLECTED: 8/14/24 7:34am Collected by: R. Tremblay

PREVIOUS 48 HR. RAINFALL: _____

WIND DIRECTION: _____ Bather Load: _____

DATE & TIME RECEIVED: 8/14/24 10:50am

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	<u>28</u> col/100 ml
Turbidity, NTU	SM2130B	_____ units
Conductance	SM2510B	_____ umho/cm
Phosphorus, as P	SM4500PE-11	<u>0.109</u> mg/L

Comments:

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Higganum, CT 06441

SAMPLING INFORMATION:

SAMPLE # WP2274-7

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

STATION NUMBER (or location) West Shore Beach

DATE & TIME COLLECTED: 8/14/24 8:28am Collected by: A. Tremblay

PREVIOUS 48 HR. RAINFALL: _____

WIND DIRECTION: _____ Bather Load: _____

DATE & TIME RECEIVED: 8/14/24 10:50am

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	<u>46</u> col/100 ml
Turbidity, NTU	SM2130B	_____ units
Conductance	SM2510B	_____ umho/cm
Phosphorus, as P	SM4500PE-11	<u>0.049</u> mg/L

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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Higganum, CT 06441

SAMPLING INFORMATION:

SAMPLE # WP2274-8

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

STATION NUMBER (or location) Mill Bay

DATE & TIME COLLECTED: 8/14/24 8:11am Collected by: A. Tremblay

PREVIOUS 48 HR. RAINFALL: _____

WIND DIRECTION: _____ Bather Load: _____

DATE & TIME RECEIVED: 8/14/24 10:50am

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	<u>25</u> col/100 ml
Turbidity, NTU	SM2130B	_____ units
Conductance	SM2510B	_____ umho/cm
Phosphorus, as P	SM4500PE-11	<u>0.045</u> mg/L

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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Higganum, CT 06441

SAMPLING INFORMATION:

SAMPLE # WP2274-9

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

STATION NUMBER (or location) South Cove

DATE & TIME COLLECTED: 8/14/24 7:58am Collected by: A. Tremblay

PREVIOUS 48 HR. RAINFALL: _____

WIND DIRECTION: _____ Bather Load: _____

DATE & TIME RECEIVED: 8/14/24 10:50am

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	<u>36</u> col/100 ml
Turbidity, NTU	SM2130B	_____ units
Conductance	SM2510B	_____ umho/cm
Phosphorus, as P	SM4500PE-11	<u>0.042</u> mg/L

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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SAMPLING INFORMATION:

SAMPLE # WP2274-10

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

STATION NUMBER (or location) West Cove

DATE & TIME COLLECTED: 8/14/24 8:18am Collected by: A. Tremblay

PREVIOUS 48 HR. RAINFALL: _____

WIND DIRECTION: _____ Bather Load: _____

DATE & TIME RECEIVED: 8/14/24 10:50am

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	<u>36</u> col/100 ml
Turbidity, NTU	SM2130B	_____ units
Conductance	SM2510B	_____ umho/cm
Phosphorus, as P	SM4500PE-11	<u>0.046</u> mg/L

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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SAMPLING INFORMATION:

SAMPLE # WP2274-11

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

STATION NUMBER (or location) Shore Beach

DATE & TIME COLLECTED: 8/14/24 8:04am Collected by: A. Tremblay

PREVIOUS 48 HR. RAINFALL: _____

WIND DIRECTION: _____ Bather Load: _____

DATE & TIME RECEIVED: 8/14/24 10:50am

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	<u>26</u> col/100 ml
Turbidity, NTU	SM2130B	_____ units
Conductance	SM2510B	_____ umho/cm
Phosphorus, as P	SM4500PE-11	<u>0.043</u> mg/L

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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