

**Draft Massachusetts Integrated List of Waters for the  
Clean Water Act 2024/2026 Reporting Cycles**

**Appendix 20  
Housatonic River Basin  
Assessment and Listing Decision Summary**

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## **Watershed Planning Program**

The mission of the Watershed Planning Program (WPP) in the Massachusetts Department of Environmental Protection is to protect, enhance, and restore the quality and value of the waters of the Commonwealth. Guided by the federal Clean Water Act, WPP implements this mission statewide through five Sections that each have a different technical focus: (1) Surface Water Quality Standards; (2) Surface Water Quality Monitoring; (3) Data Management and Water Quality Assessment; (4) Total Maximum Daily Load; and (5) Nonpoint Source Management. Together with other MassDEP programs and state environmental agencies, WPP shares in the duty and responsibility to secure the environmental, recreational, and public health benefits of clean water for all people of the Commonwealth.

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## **Disclaimer**

References to trade names, commercial products, manufacturers, or distributors in this report constituted neither endorsement nor recommendation by MassDEP.

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[This report is available on the Massachusetts Department of Environmental Protection website.](#)

## Overview of Appendix Contents

This Integrated Report (IR) Appendix functions as a watershed-based Assessment and Listing Decision Summary that catalogs the most recent assessment decisions for each assessment unit (AU) that was updated as part of the 2024/2026 IR cycle.

The appendix begins with 2024/26 Cycle Impairment Changes, a comprehensive table summarizing all impairments that were either added, removed, changed, or unchanged between the 2022 and 2024/2026 reporting cycles. This table presents the overall impairment status at the waterbody scale, across all designated uses. The table does not detail use-specific impairment changes; those details are provided in subsequent sections of the appendix.

Following 2024/26 Cycle Impairment Changes, the appendix provides an individual section for each AU updated during the 2024/2026 cycle. Each AU section details the supporting data and rationale for each designated use attainment determination, including any associated impairment removal decisions. Changes in impairment status at the designated use level are documented in full within the corresponding Designated Use Attainment Decision. AUs where no usable data were available for the 2024/2026 IR cycle are included, but with the assessment information from the 2022 cycle is carried forward.

The following abbreviations are used when referencing designated uses:

- ALU - Aquatic Life Use
- FC - Fish Consumption Use
- SH - Shellfish Harvesting Use
- AES - Aesthetic Use
- PCR - Primary Contact Recreation Use
- SCR - Secondary Contact Recreation Use

When listing an impairment, parentheses and an asterisk (\*) are utilized to denote “pollution” or non-pollutant impairments that do not require the development of a Total Maximum Daily Load (TMDL). Where applicable, further explanation of the ATTAINS impairment code is provided within square brackets [].

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## 2024/26 Cycle Impairment Changes

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Alford Brook	MA21-44	2	5	Escherichia Coli (E. Coli)	--	Added
Anthony Brook	MA21-10	2	2	None	--	Unchanged
Anthony Brook	MA21-83	--	3	None	--	Unchanged
Ashley Lake	MA21003	5	5	Mercury in Fish Tissue	--	Unchanged
Ashmere Lake	MA21005	4c	5	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
Ashmere Lake	MA21005	4c	5	Mercury in Fish Tissue	--	Added
Baldwin Brook	MA21-48	2	2	None	--	Unchanged
Barton Brook	MA21-60	2	2	None	--	Unchanged
Bear Rock Stream	MA21-43	2	2	None	--	Unchanged
Beartown Brook	MA21-74	2	2	None	--	Unchanged
Benedict Pond	MA21011	2	5	Enterococcus	--	Added
Brattle Brook	MA21-59	2	2	None	--	Unchanged
Cady Brook	MA21-12	3	3	None	--	Unchanged
Card Pond	MA21015	3	4c	(Aquatic Plants (Macrophytes)*)	--	Added
Churchill Brook	MA21-34	2	2	None	--	Unchanged
Cleveland Brook	MA21-08	2	2	None	--	Unchanged
Cleveland Brook Reservoir	MA21019	3	3	None	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Commons Brook	MA21-52	2	2	None	--	Unchanged
Cone Brook	MA21-76	2	5	Escherichia Coli (E. Coli)	--	Added
Cookson Pond	MA21021	3	3	None	--	Unchanged
Crane Lake	MA21025	3	3	None	--	Unchanged
Crystal Brook	MA21-51	2	2	None	--	Unchanged
Daniels Brook	MA21-65	2	2	None	--	Unchanged
Dry Brook	MA21-41	2	2	None	--	Unchanged
East Branch Housatonic River	MA21-01	2	5	Escherichia Coli (E. Coli)	--	Added
East Branch Housatonic River	MA21-02	5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04	Changed
East Branch Housatonic River	MA21-02	5	5	Fecal Coliform	R1_MA_2024_04	Changed
East Branch Housatonic River	MA21-02	5	5	PCBs in Fish Tissue	--	Unchanged
East Indies Pond	MA21029	3	3	None	--	Unchanged
Farnham Reservoir	MA21033	3	3	None	--	Unchanged
Fenton Brook	MA21-35	2	2	None	--	Unchanged
Furnace Brook	MA21-21	2	2	None	--	Unchanged
Goodrich Pond	MA21042	5	5	PCBs in Fish Tissue	--	Unchanged
Goose Pond	MA21043	5	5	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
Goose Pond	MA21043	5	5	Dissolved Oxygen	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Goose Pond Brook	MA21-07	2	2	None	--	Unchanged
Green River	MA21-23	2	5	Escherichia Coli (E. Coli)	--	Added
Greenwater Brook	MA21-27	3	3	None	--	Unchanged
Greenwater Pond	MA21044	4c	4c	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
Hathaway Brook	MA21-58	2	2	None	--	Unchanged
Hayes Pond	MA21051	3	3	None	--	Unchanged
Hollow Brook	MA21-67	2	2	None	--	Unchanged
Hop Brook	MA21-28	2	5	Escherichia Coli (E. Coli)	--	Added
Housatonic River	MA21-04	5	5	(Water Chestnut*)	--	Unchanged
Housatonic River	MA21-04	5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04	Changed
Housatonic River	MA21-04	5	5	Fecal Coliform	R1_MA_2024_04	Changed
Housatonic River	MA21-04	5	5	PCBs in Fish Tissue	--	Unchanged
Housatonic River	MA21-04	5	5	PCBs in Sediment	--	Unchanged
Housatonic River	MA21-04	5	5	Polychlorinated Biphenyls (PCBs)	--	Unchanged
Housatonic River	MA21-19	5	5	(Zebra Mussel, Dreissena Polymorph*)	--	Unchanged
Housatonic River	MA21-19	5	5	Algae	--	Unchanged
Housatonic River	MA21-19	5	5	Ambient Bioassays - Chronic Aquatic Toxicity	--	Unchanged
Housatonic River	MA21-19	5	5	Fish Bioassessments	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Housatonic River	MA21-19	5	5	PCBs in Fish Tissue	--	Unchanged
Housatonic River	MA21-19	5	5	PCBs in Sediment	--	Unchanged
Housatonic River	MA21-19	5	5	Phosphorus, Total	--	Unchanged
Housatonic River	MA21-20	5	5	(Zebra Mussel, <i>Dreissena Polymorph</i> *)	--	Unchanged
Housatonic River	MA21-20	5	5	<i>Escherichia Coli</i> (E. Coli)	--	Added
Housatonic River	MA21-20	5	5	PCBs in Fish Tissue	--	Unchanged
Hubbard Brook	MA21-15	5	5	(Curly-leaf Pondweed*)	--	Unchanged
Hubbard Brook	MA21-15	5	5	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged
Hubbard Brook	MA21-15	5	5	(Water Chestnut*)	--	Unchanged
Hubbard Brook	MA21-15	5	5	<i>Escherichia Coli</i> (E. Coli)	--	Added
Hubbard Brook	MA21-15	5	5	Lack of a Coldwater Assemblage	--	Unchanged
Hubbard Brook	MA21-15	5	5	Temperature	--	Unchanged
Karner Brook	MA21-38	2	2	None	--	Unchanged
Karner Brook	MA21-39	4c	4c	(Dewatering*)	--	Unchanged
Konkapot River	MA21-25	5	5	<i>Escherichia Coli</i> (E. Coli)	--	Added
Konkapot River	MA21-25	5	5	Mercury in Fish Tissue	--	Unchanged
Konkapot River	MA21-26	5	5	<i>Escherichia Coli</i> (E. Coli)	--	Added
Konkapot River	MA21-26	5	5	Mercury in Fish Tissue	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Lake Averic	MA21006	4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged
Lake Buel	MA21014	5	5	(Brittle Naiad, <i>Najas Minor</i> *)	--	Unchanged
Lake Buel	MA21014	5	5	(Curly-leaf Pondweed*)	--	Unchanged
Lake Buel	MA21014	5	5	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged
Lake Buel	MA21014	5	5	(Non-Native Aquatic Plants*)	--	Removed
Lake Buel	MA21014	5	5	Dissolved Oxygen	--	Unchanged
Lake Buel	MA21014	5	5	Dissolved Oxygen Supersaturation	--	Unchanged
Lake Buel	MA21014	5	5	Phosphorus, Total	--	Unchanged
Lake Garfield	MA21040	5	5	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged
Lake Garfield	MA21040	5	5	(Fanwort*)	--	Unchanged
Lake Garfield	MA21040	5	5	Dissolved Oxygen	--	Unchanged
Lake Garfield	MA21040	5	5	Mercury in Fish Tissue	--	Unchanged
Lake Garfield	MA21040	5	5	Phosphorus, Total	--	Unchanged
Larrywaug Brook	MA21-29	2	2	None	--	Unchanged
Laurel Lake	MA21057	5	5	(Brittle Naiad, <i>Najas Minor</i> *)	--	Unchanged
Laurel Lake	MA21057	5	5	(Curly-leaf Pondweed*)	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Laurel Lake	MA21057	5	5	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged
Laurel Lake	MA21057	5	5	(Water Chestnut*)	--	Unchanged
Laurel Lake	MA21057	5	5	(Zebra Mussel, <i>Dreissena Polymorph</i> *)	--	Unchanged
Laurel Lake	MA21057	5	5	Dissolved Oxygen	--	Unchanged
Laurel Lake	MA21057	5	5	Dissolved Oxygen Supersaturation	--	Unchanged
Laurel Lake	MA21057	5	5	Phosphorus, Total	--	Unchanged
Lenox Mountain Brook	MA21-47	2	2	None	--	Unchanged
Long Pond	MA21062	4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged
Long Pond Brook	MA21-14	4c	4c	(Dewatering*)	--	Unchanged
Lulu Brook	MA21-64	2	2	None	--	Unchanged
Mansfield Pond	MA21065	4c	4c	(Curly-leaf Pondweed*)	--	Unchanged
Mansfield Pond	MA21065	4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged
Mill Brook	MA21-55	2	2	None	--	Unchanged
Mill Pond	MA21069	3	3	None	--	Unchanged
Mohawk Brook	MA21-78	2	2	None	--	Unchanged
Morewood Lake	MA21071	5	5	PCBs in Fish Tissue	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Mount Lebanon Brook	MA21-70	2	2	None	--	Unchanged
Muddy Brook	MA21-50	3	3	None	--	Unchanged
Onota Brook	MA21-80	4c	4c	(Habitat Assessment*)	--	Unchanged
Onota Lake	MA21078	5	5	(Brittle Naiad, Najas Minor*)	--	Unchanged
Onota Lake	MA21078	5	5	(Curly-leaf Pondweed*)	--	Unchanged
Onota Lake	MA21078	5	5	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
Onota Lake	MA21078	5	5	(Water Chestnut*)	--	Unchanged
Onota Lake	MA21078	5	5	Dissolved Oxygen	--	Unchanged
Parker Brook	MA21-63	2	2	None	--	Unchanged
Plunkett Reservoir	MA21082	4c	5	(Brittle Naiad, Najas Minor*)	--	Unchanged
Plunkett Reservoir	MA21082	4c	5	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
Plunkett Reservoir	MA21082	4c	5	Mercury in Fish Tissue	--	Added
Pontoosuc Lake	MA21083	4a	5	(Brittle Naiad, Najas Minor*)	--	Unchanged
Pontoosuc Lake	MA21083	4a	5	(Curly-leaf Pondweed*)	--	Unchanged
Pontoosuc Lake	MA21083	4a	5	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
Pontoosuc Lake	MA21083	4a	5	(Water Chestnut*)	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Pontoosuc Lake	MA21083	4a	5	Mercury in Fish Tissue	33880	Unchanged
Pontoosuc Lake	MA21083	4a	5	PFAS in Fish Tissue	--	Added
Prospect Lake	MA21084	4c	4c	(Curly-leaf Pondweed*)	--	Unchanged
Prospect Lake	MA21084	4c	4c	(Non-Native Aquatic Plants*)	--	Unchanged
Race Brook	MA21-42	2	2	None	--	Unchanged
Rawson Brook	MA21-37	2	2	None	--	Unchanged
Richmond Pond	MA21088	4c	4c	(Brittle Naiad, Najas Minor*)	--	Unchanged
Richmond Pond	MA21088	4c	4c	(Curly-leaf Pondweed*)	--	Unchanged
Richmond Pond	MA21088	4c	4c	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
Roaring Brook	MA21-56	2	2	None	--	Unchanged
Sackett Brook	MA21-81	2	2	None	--	Unchanged
Schenob Brook	MA21-79	2	2	None	--	Unchanged
Scribner Brook	MA21-45	2	2	None	--	Unchanged
Seace Brook	MA21-71	2	2	None	--	Unchanged
Secum Brook	MA21-66	3	3	None	--	Unchanged
Seekonk Brook	MA21-22	3	5	Escherichia Coli (E. Coli)	--	Added
Shaker Brook	MA21-69	2	2	None	--	Unchanged
Shaker Mill Pond	MA21094	4c	4c	(Curly-leaf Pondweed*)	--	Unchanged
Shaker Mill Pond	MA21094	4c	4c	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Shaker Mill Pond	MA21094	4c	4c	(Water Chestnut*)	--	Unchanged
Silver Lake	MA21097	5	5	PCBs in Fish Tissue	--	Unchanged
Smith Brook	MA21-72	2	5	Escherichia Coli (E. Coli)	--	Added
Southwest Branch Housatonic River	MA21-17	5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04	Changed
Southwest Branch Housatonic River	MA21-17	5	5	Fecal Coliform	R1_MA_2024_04	Changed
Southwest Branch Housatonic River	MA21-17	5	5	Sedimentation/Siltation	--	Unchanged
Southwest Branch Housatonic River	MA21-17	5	5	Temperature	--	Unchanged
Stevens Pond	MA21104	4c	4c	(Curly-leaf Pondweed*)	--	Unchanged
Stevens Pond	MA21104	4c	4c	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
Stockbridge Bowl	MA21105	5	5	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
Stockbridge Bowl	MA21105	5	5	Dissolved Oxygen	--	Unchanged
Stockbridge Bowl	MA21105	5	5	Mercury in Fish Tissue	33880	Unchanged
Stony Brook	MA21-49	2	2	None	--	Unchanged
Swann Brook	MA21-40	2	2	None	--	Unchanged
Sykes Brook	MA21-57	2	2	None	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Thousand Acre Pond	MA21106	4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged
Town Brook	MA21-36	2	2	None	--	Unchanged
Tyler Brook	MA21-32	2	2	None	--	Unchanged
Umpachene River	MA21-75	2	2	None	--	Unchanged
Unnamed Tributary	MA21-24	2	2	None	--	Unchanged
Unnamed Tributary	MA21-31	4c	4c	(Zebra Mussel, <i>Dreissena Polymorph</i> *)	--	Unchanged
Unnamed Tributary	MA21-46	2	2	None	--	Unchanged
Unnamed Tributary	MA21-54	2	2	None	--	Unchanged
Unnamed Tributary	MA21-62	2	2	None	--	Unchanged
Unnamed Tributary	MA21-68	2	2	None	--	Unchanged
Upper Goose Pond	MA21110	3	3	None	--	Unchanged
Upper Sackett Reservoir	MA21113	3	3	None	--	Unchanged
Wahconah Falls Brook	MA21-11	2	5	<i>Escherichia Coli</i> (E. Coli)	--	Added
Washington Mountain Brook	MA21-53	2	2	None	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Welch Brook	MA21-33	2	2	None	--	Unchanged
West Branch Housatonic River	MA21-18	5	5	(Debris*)	--	Unchanged
West Branch Housatonic River	MA21-18	5	5	(Habitat Assessment*)	--	Unchanged
West Branch Housatonic River	MA21-18	5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04	Changed
West Branch Housatonic River	MA21-18	5	5	Fecal Coliform	R1_MA_2024_04	Changed
West Branch Housatonic River	MA21-18	5	5	Lack of a Coldwater Assemblage	--	Unchanged
West Branch Housatonic River	MA21-18	5	5	PCBs in Sediment	--	Unchanged
West Branch Housatonic River	MA21-18	5	5	Temperature	--	Unchanged
West Branch Housatonic River	MA21-18	5	5	Trash	--	Unchanged
West Brook	MA21-73	2	2	None	--	Unchanged
Weston Brook	MA21-61	2	2	None	--	Unchanged
Willard Brook	MA21-30	4c	4c	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
Williams River	MA21-06	5	5	Temperature	--	Unchanged
Willow Brook	MA21-82	--	3	None	--	Unchanged
Windsor Brook	MA21-09	4c	4c	(Dewatering*)	--	Unchanged
Windsor Reservoir	MA21119	3	3	None	--	Unchanged

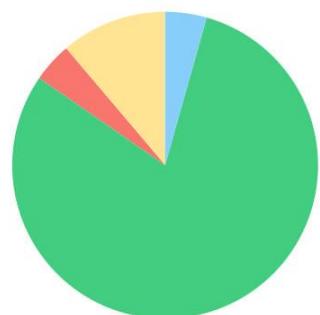
<b>Waterbody</b>	<b>AU_ID</b>	<b>AU Category 2022</b>	<b>AU Category 2024/26</b>	<b>Impairment</b>	<b>ATTAINS Action ID</b>	<b>Impairment Change Summary</b>
Yokun Brook	MA21-77	2	2	None	--	Unchanged

## Alford Brook (MA21-44)

<b>Location:</b>	Headwaters, outlet small unnamed pond north of Wilson Road, West Stockbridge to mouth at confluence with Seekonk Brook, Alford.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	6.3 MILES
<b>Classification/Qualifier:</b>	B: CWF

### Alford Brook (MA21-44)

Watershed Area: 12.24 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area* (square miles)	9.77	4.76	1.87	0.97
Agriculture	11.2%	13.6%	11.5%	15.8%
Developed	4.2%	4.3%	4.8%	4.6%
Natural	80.2%	78.5%	72.5%	68.3%
Wetland	4.4%	3.7%	11.1%	11.2%
Impervious	1.5%	1.5%	1.6%	1.3%

\*Land cover analysis only includes watershed area within Massachusetts.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
2	5	Escherichia Coli (E. Coli)	--		Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X

## Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Alford Brook (MA21-44) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No data are available, so the Aesthetics Use for Alford Brook (MA21-44) is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Alford Brook (MA21-44) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_ALF90 and HVA\_ALF100 & HVA\_ALF110. HVA staff/volunteers collected *E. coli* bacteria samples in Alford Brook (MA21-44) from 2020-2022 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_ALF90 [downstream of Willson Rd Bridge] from 2020-2022 (n=6-8/yr), HVA\_ALF100 & HVA\_ALF110 [upstream of E Rd bridge, Alford & downstream of the E Rd Bridge] from 2020-2022 (n=7-8/yr). Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_ALF90 indicated 3 out of 3 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2020-2022, 55-100%), 3 yrs had ≥2 samples exceed the 410 CFU/100ml STV (2020-2022, n=2-5), and cumulatively across years 85% of intervals had GMs >126 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_ALF100 & HVA\_ALF110 indicated 3 out of 3 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2020-2022, 54-100%), 2 yrs had ≥2 samples exceed the 410 CFU/100ml STV (2020 and 2021, n=4 & 3), and cumulatively across years 72% of intervals had GMs >126 CFU/100ml. *E. coli* data from HVA\_ALF90 and HVA\_ALF100 & HVA\_ALF110 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_ALF100	Housatonic Valley Association	Water Quality	Alford Brook	Upstream of East Road bridge, Alford	42.238420	-73.411560
HVA_ALF110	Housatonic Valley Association	Water Quality	Alford Brook	Downstream of the East Road Bridge	42.238272	-73.411742
HVA_ALF90	Housatonic Valley Association	Water Quality	Alford Brook	Downstream of Willson Road Bridge	42.297736	-73.408268

### Bacteria Data

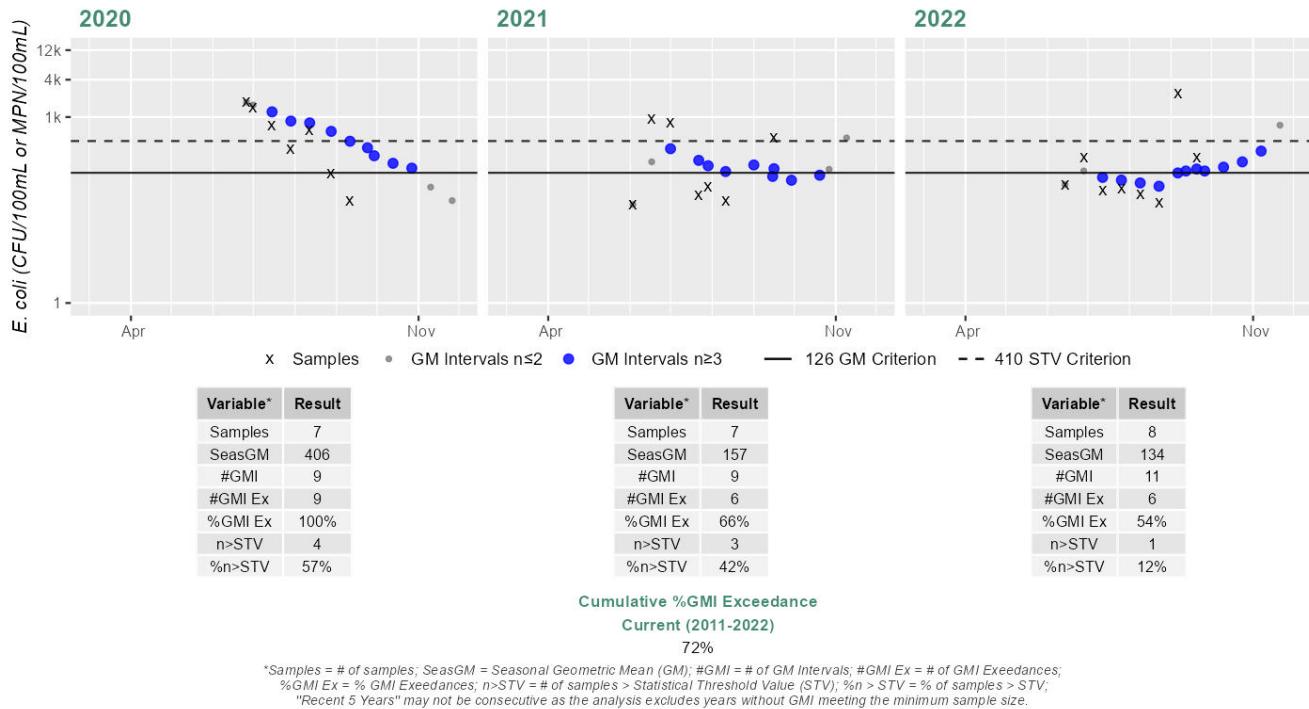
**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)**

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_ALF100	Housatonic Valley Association	E. coli	06/25/20	09/10/20	7	44	1732	406
HVA_ALF100	Housatonic Valley Association	E. coli	06/03/21	09/16/21	7	38	920	157
HVA_ALF110	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	41	2419	134
HVA_ALF90	Housatonic Valley Association	E. coli	06/30/20	09/10/20	6	88	1203	322
HVA_ALF90	Housatonic Valley Association	E. coli	06/03/21	09/16/21	7	60	547	140
HVA_ALF90	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	73	2419	567

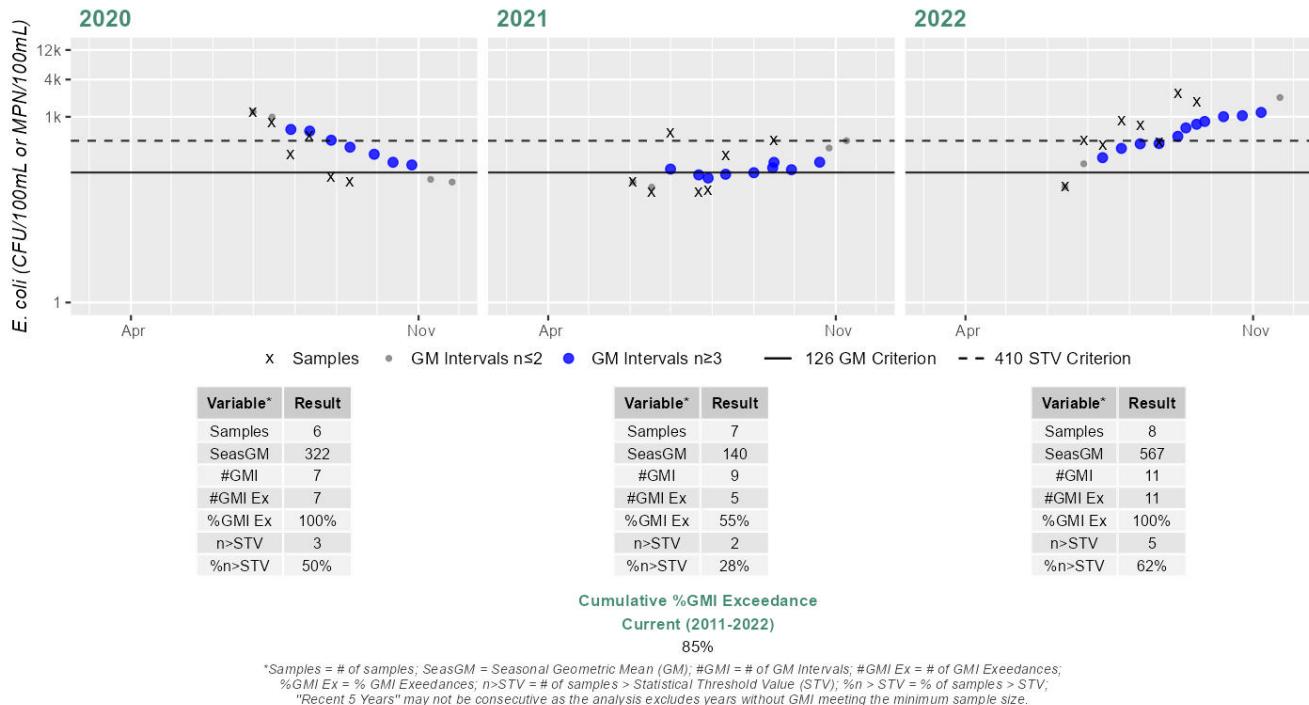
### Station HVA\_ALF100 & HVA\_ALF110 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Station HVA\_ALF90 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
<p>The Secondary Contact Recreation Use for Alford Brook (MA21-44) is assessed as Not Supporting. An <i>Escherichia coli</i> (<i>E. coli</i>) impairment is being added due to bacteria data not meeting the threshold at HVA_ALF90. HVA staff/volunteers collected <i>E. coli</i> bacteria samples in Alford Brook (MA21-44) from 2020-2022 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA_ALF90 [downstream of Willson Rd Bridge] from 2020-2022 (n=6-8/yr), HVA_ALF100 &amp; HVA_ALF110 [upstream of E Rd bridge, Alford &amp; downstream of the E Rd Bridge] from 2020-2022 (n=7-8/yr). Analysis of the multi-year moderate frequency <i>E. coli</i> dataset from HVA_ALF90 indicated 2 out of 3 sufficient data yrs had intervals where &gt;20% of the GMs were &gt;244 CFU/100ml (2020 and 2022, 71 &amp; 90%), 2 yrs had ≥2 samples exceed the 794 CFU/100ml STV (2020 and 2022, n=2 &amp; 3), and cumulatively across years 55% of intervals had GMs &gt;244 CFU/100ml. Analysis of the multi-year moderate frequency <i>E. coli</i> dataset from HVA_ALF100 &amp; HVA_ALF110 indicated 1 out of 3 sufficient data yrs had intervals where &gt;20% of the GMs were &gt;244 CFU/100ml (2020, 66%), 2 yrs had ≥2 samples exceed the 794 CFU/100ml STV (2020 and 2021, n=2 &amp; 2), and cumulatively across years 27% of intervals had GMs &gt;244 CFU/100ml. While <i>E. coli</i> data from HVA_ALF100 &amp; HVA_ALF110 meet 2024 CALM guidance, <i>E. coli</i> data from HVA_ALF90 are indicative of an <i>E. coli</i> impairment.</p>

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_ALF100	Housatonic Valley Association	Water Quality	Alford Brook	Upstream of East Road bridge, Alford	42.238420	-73.411560
HVA_ALF110	Housatonic Valley Association	Water Quality	Alford Brook	Downstream of the East Road Bridge	42.238272	-73.411742
HVA_ALF90	Housatonic Valley Association	Water Quality	Alford Brook	Downstream of Willson Road Bridge	42.297736	-73.408268

### Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1)

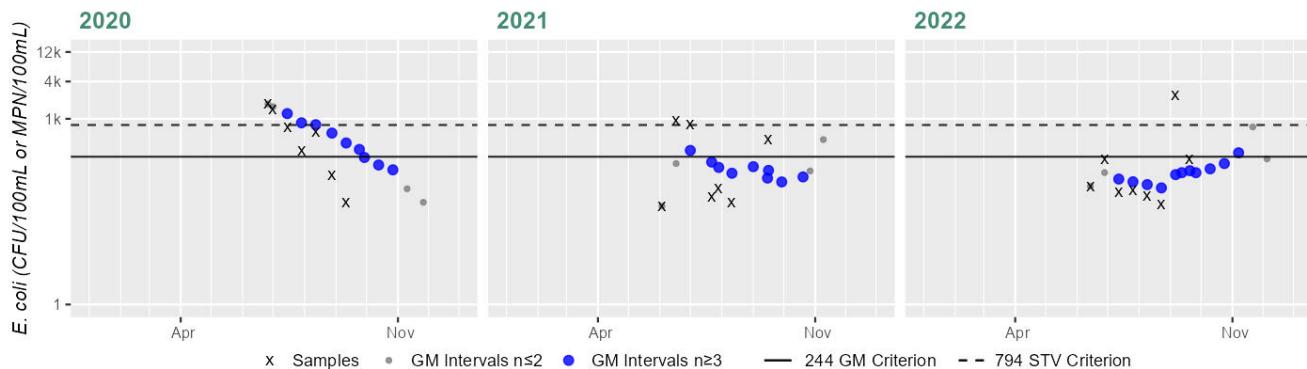
[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_ALF100	Housatonic Valley Association	<i>E. coli</i>	06/25/20	09/10/20	7	44	1732	406
HVA_ALF100	Housatonic Valley Association	<i>E. coli</i>	06/03/21	09/16/21	7	38	920	157

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_ALF110	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	41	2419	134
HVA_ALF90	Housatonic Valley Association	E. coli	06/30/20	09/10/20	6	88	1203	322
HVA_ALF90	Housatonic Valley Association	E. coli	06/03/21	09/16/21	7	60	547	140
HVA_ALF90	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	73	2419	567

### Station HVA\_ALF100 & HVA\_ALF110 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	7
SeasGM	406
#GMI	9
#GMI Ex	6
%GMI Ex	66%
n>STV	2
%n>STV	28%

Variable*	Result
Samples	7
SeasGM	157
#GMI	9
#GMI Ex	1
%GMI Ex	11%
n>STV	2
% n>STV	28%

Variable*	Result
Samples	8
SeasGM	134
#GMI	11
#GMI Ex	1
%GMI Ex	9%
n>STV	1
% n>STV	12%

### Cumulative %GMI Exceedance

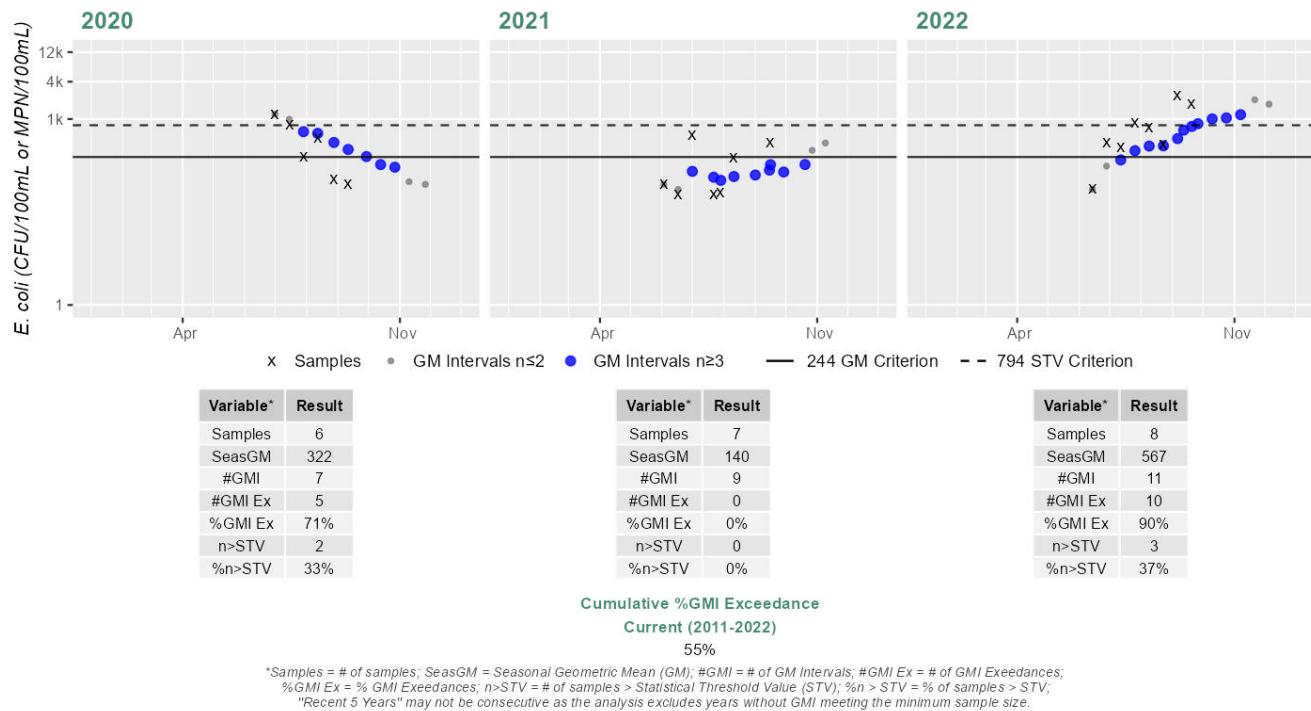
### Current (2011-2022)

27%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n-STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

### Station HVA\_ALF90 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

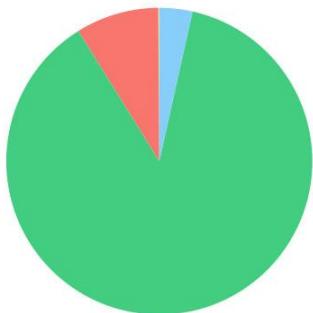


## Anthony Brook (MA21-10)

<b>Location:</b>	From Anthony Brook Reservoir intake, Dalton to mouth at confluence with Wahconah Falls Brook, Dalton.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.6 MILES
<b>Classification/Qualifier:</b>	B: CWF

### Anthony Brook (MA21-10)

Watershed Area: 2.27 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	2.27	2.27	1.16	1.16
Agriculture	0.1%	0.1%	0.1%	0.1%
Developed	8.8%	8.8%	8%	8%
Natural	87.6%	87.6%	86.4%	86.4%
Wetland	3.5%	3.5%	5.5%	5.5%
Impervious	3.1%	3.1%	2.6%	2.6%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Recommendations

2024/26 Recommendations
2024/2026 IR [Bacteria, Medium] Conduct follow-up monitoring for <i>E. coli</i> in Anthony Brook (MA21-10) at Station HVA_ANB 01.1 to confirm elevated bacteria levels measured upstream of the Rte. 9 bridge in 2019. {HVA_ANB 01.1}

## Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Anthony Brook (MA21-10) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Anthony Brook (MA21-10), so it is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	YES

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Anthony Brook (MA21-10) is assessed as Fully Supporting. HVA staff/volunteers collected *E. coli* bacteria samples in Anthony Brook (MA21-10) from 2019-2022 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_ANB01.2 [upstream of N Mountain Rd] from 2020 and 2022 (n=8/yr), HVA\_ANB 01.1 [Just upstream of the Rte. 9 bridge] from Jun-Sep 2019 (n=6). Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_ANB01.2 indicated 0 out of 2 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml, 0 yrs had ≥2 samples exceed the 410 CFU/100ml STV, and cumulatively across years 0% of intervals had GMs >126 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from HVA\_ANB 01.1 indicated 71% of intervals had GMs >126 CFU/100ml, 1 sample exceeded the 410 CFU/100ml STV, and the seasonal GM was 186 CFU/100ml. *E. coli* data from HVA\_ANB01.2 and HVA\_ANB 01.1 meet 2024 CALM guidance. An Alert is being identified for *Escherichia coli* at HVA\_ANB 01.1.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_ANB 01.1	Housatonic Valley Association	Water Quality	Anthony Brook	Just upstream of the Rte. 9 bridge	42.482560	-73.153440
HVA_ANB01.2	Housatonic Valley Association	Water Quality	Anthony Brook	Upstream of North Mountain Road	42.488550	-73.148730

## Bacteria Data

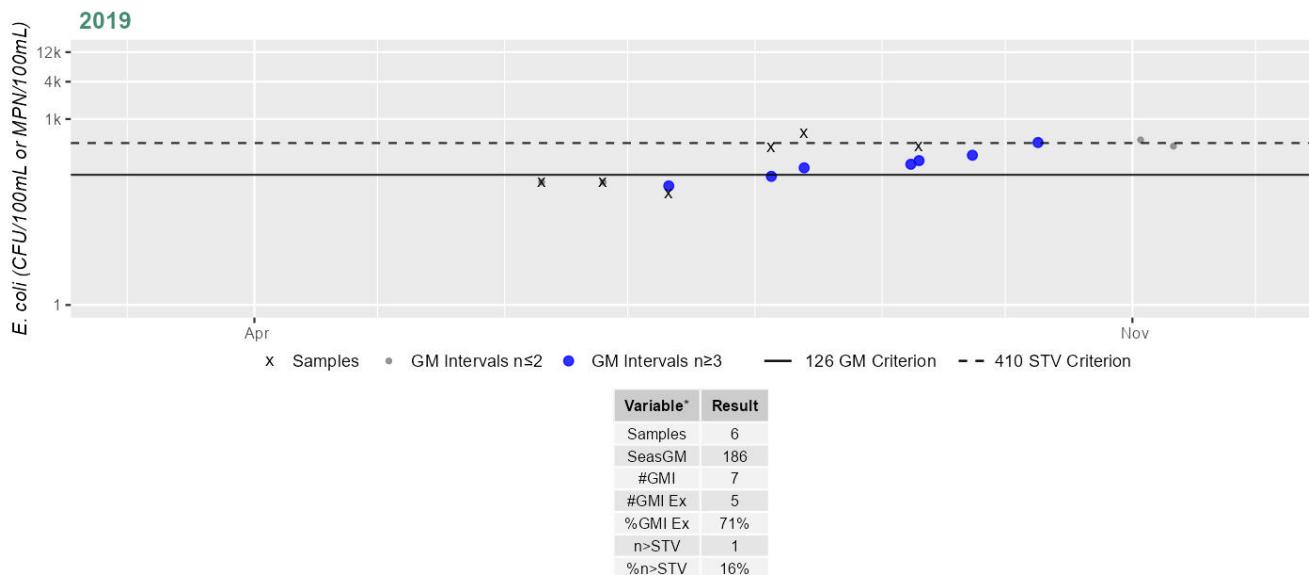
### Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_ANB 01.1	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	63	579	186
HVA_ANB01.2	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	5	920	22
HVA_ANB01.2	Housatonic Valley Association	E. coli	06/16/22	09/22/22	8	1	727	18

#### Station HVA\_ANB 01.1 - *Escherichia coli*

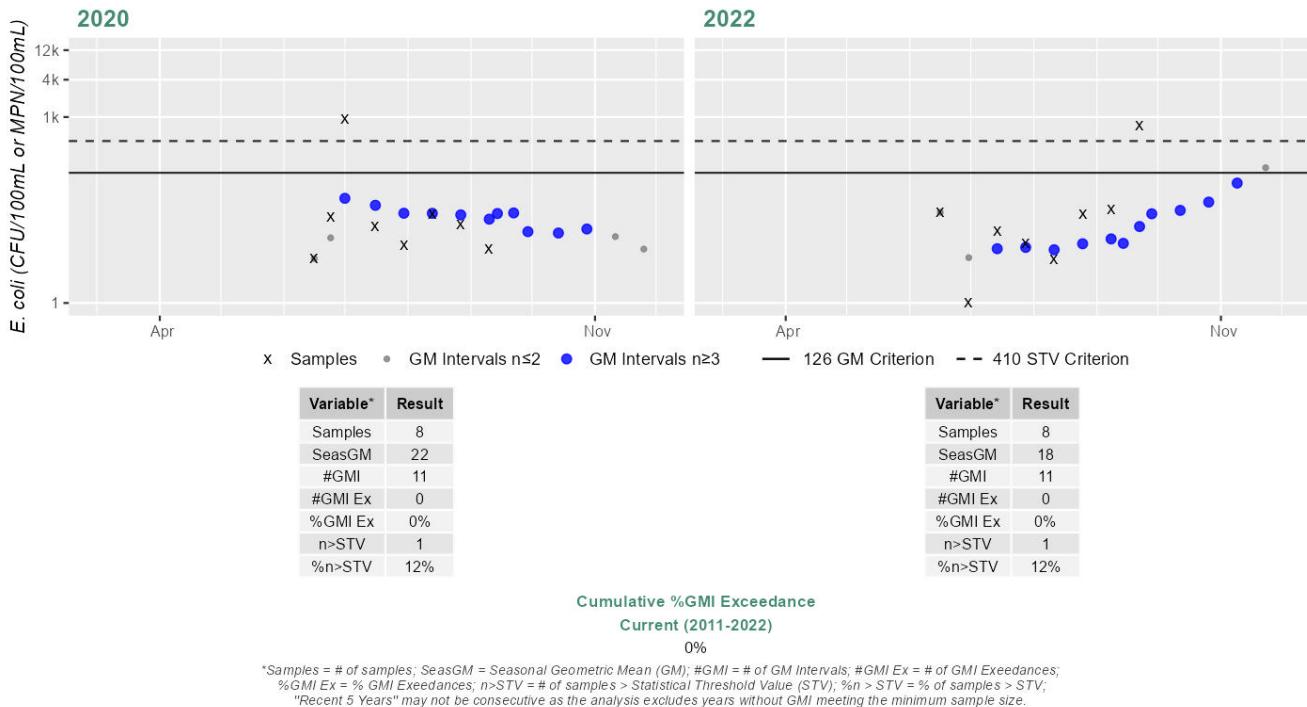
Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV;  
"Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

### Station HVA\_ANB01.2 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Anthony Brook (MA21-10) is assessed as Fully Supporting. HVA staff/volunteers collected *E. coli* bacteria samples in Anthony Brook (MA21-10) from 2019-2022 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_ANB01.2 [upstream of N Mountain Rd] from 2020 and 2022 (n=8/yr), HVA\_ANB 01.1 [Just upstream of the Rte. 9 bridge] from Jun-Sep 2019 (n=6). *E. coli* data from HVA\_ANB01.2 and HVA\_ANB 01.1 meet 2024 CALM guidance.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_ANB 01.1	Housatonic Valley Association	Water Quality	Anthony Brook	Just upstream of the Rte. 9 bridge	42.482560	-73.153440

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_ANB01.2	Housatonic Valley Association	Water Quality	Anthony Brook	Upstream of North Mountain Road	42.488550	-73.148730

## Bacteria Data

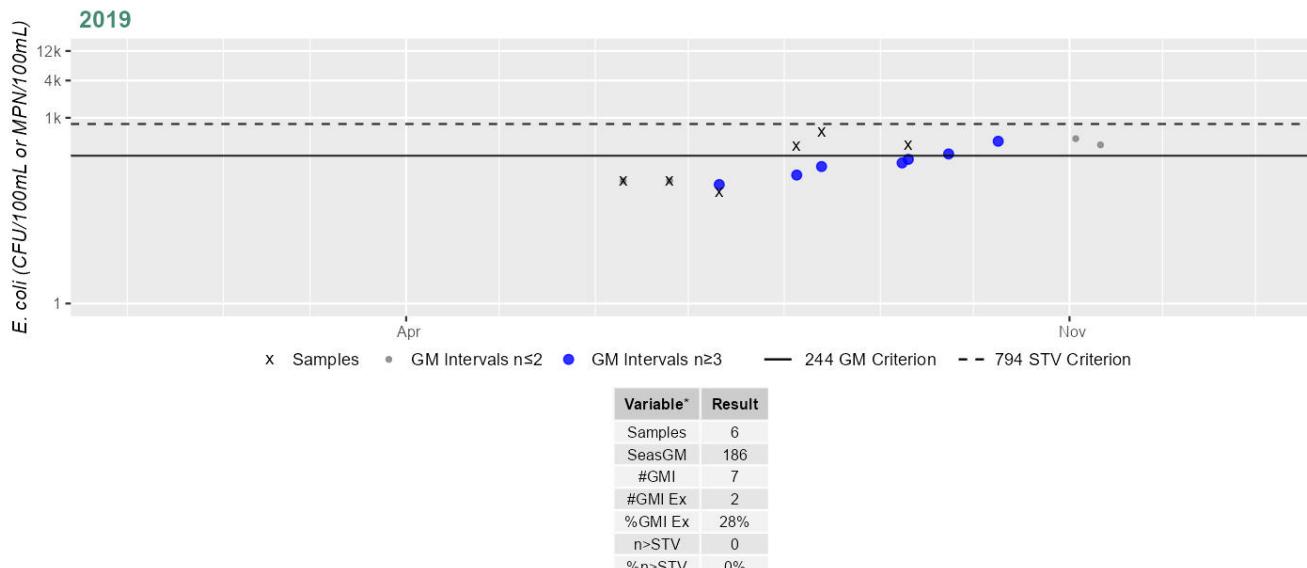
**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1)**

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_ANB 01.1	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	63	579	186
HVA_ANB01.2	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	5	920	22
HVA_ANB01.2	Housatonic Valley Association	E. coli	06/16/22	09/22/22	8	1	727	18

### Station HVA\_ANB 01.1 - *Escherichia coli*

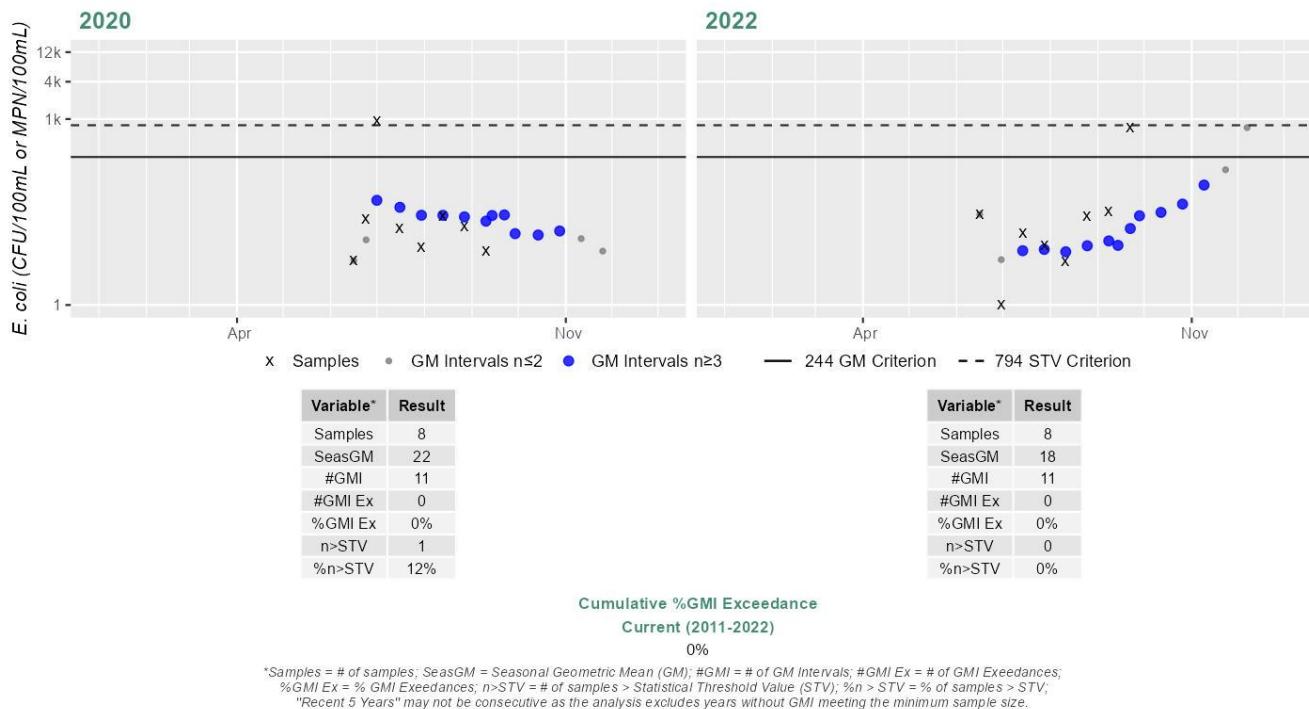
Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

### Station HVA\_ANB01.2 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Anthony Brook (MA21-83)

<b>Location:</b>	Headwaters, outlet Anthony Pond, Dalton to the Anthony Pond Reservoir intake, Dalton.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1 MILES
<b>Classification/Qualifier:</b>	A: PWS, ORW, CWF (Tributary)

No usable data were available for Anthony Brook (MA21-83) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
--	3	None	--	Unchanged

## Ashley Lake (MA21003)

<b>Location:</b>	Washington.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	94 ACRES
<b>Classification/Qualifier:</b>	A: PWS, ORW

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	Mercury in Fish Tissue	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Mercury in Fish Tissue	Atmospheric Deposition (N)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

2024/26 Use Attainment Summary
The Fish Consumption Use for Ashley Lake (MA21003) continues to be assessed as Not Supporting and the prior Mercury in Fish Tissue impairment is being carried forward. MDPH included a site-specific advisory for Ashley Lake in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

## Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
<p>The Aesthetics Use for Ashley Lake (MA21003) is assessed as Fully Supporting. MassDEP staff recorded aesthetics observations as part of the MAP2 lake monitoring project in summer 2016 at three stations in Washington, for this Ashley Lake AU; at the south western end of lake, west of Washington Mountain Rd (W2616/MAP2L-042S, n=5), at the index site (W2638/MAP2L-042, n=2) and ~2200 feet southeast from dam, west of Washington Mountain Road (W2727 n=1). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded at any of the stations or littoral zone duckweed recorded in ten shoreline plots (n=1). During the macrophyte mapping survey at W2638 in August (n=1), less than 25% (6.2%) of the waterbody was determined to have an aquatic macrophyte biovolume &gt;50%.</p>

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2616	MassDEP	Water Quality	Ashley Lake	[south western end of lake, west of Washington Mountain Road, Washington]	42.376746	-73.162360
W2638	MassDEP	Water Quality	Ashley Lake	[index site, Washington]	42.381367	-73.160733
W2727	MassDEP	Water Quality	Ashley Lake	[approximately 2200 feet southeast from dam, west of Washington Mountain Road, Washington]	42.382546	-73.161682

## Aesthetic Observations

### Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 4)

[Note: scums of natural origins (e.g. pollen blankets or natural foams) are excluded.]

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2616	2016	5	Aesthetic observations were made by MassDEP field sampling crews at Station W2616 (MAP2L-042S) on Ashley Lake (MA21003) during 5 site visits between May 2016 and Sep 2016. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. During the MAP2 littoral survey (n=1), duckweed was not noted in any of the 10 shoreline plots.

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2638	2016	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2638 (MAP2L-042) on Ashley Lake (MA21003) during 2 site visits between Aug 2016 and Sep 2016. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3). During the MAP2 macrophyte mapping survey (n=1) in Aug 2016, less than 25% (6.2%) of the waterbody was determined to have an aquatic macrophyte biovolume >50%.
W2727	2016	1	Aesthetic observations were made by MassDEP field sampling crews at Station W2727 on Ashley Lake (MA21003) during 1 site visit on Jun 28, 2016. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).

#### MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 6)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2616	Ashley Lake	2016	Aesthetics Impaired?	No	5	5
W2616	Ashley Lake	2016	Color	None	5	5
W2616	Ashley Lake	2016	Objectionable Deposits	No	5	5
W2616	Ashley Lake	2016	Odor	None	5	5
W2616	Ashley Lake	2016	Scum	No	5	5
W2616	Ashley Lake	2016	Turbidity	None	5	5
W2638	Ashley Lake	2016	Aesthetics Impaired?	No	2	2
W2638	Ashley Lake	2016	Aquatic Plant Density, Overall	NR	1	2
W2638	Ashley Lake	2016	Aquatic Plant Density, Overall	Sparse	1	2
W2638	Ashley Lake	2016	Color	None	2	2
W2638	Ashley Lake	2016	Objectionable Deposits	No	2	2
W2638	Ashley Lake	2016	Odor	None	2	2
W2638	Ashley Lake	2016	Scum	No	1	2
W2638	Ashley Lake	2016	Scum	Yes	1	2
W2638	Ashley Lake	2016	Turbidity	None	1	2
W2638	Ashley Lake	2016	Turbidity	Slightly Turbid	1	2
W2727	Ashley Lake	2016	Aesthetics Impaired?	No	1	1
W2727	Ashley Lake	2016	Aquatic Plant Density, Overall	None	1	1
W2727	Ashley Lake	2016	Color	None	1	1
W2727	Ashley Lake	2016	Objectionable Deposits	No	1	1
W2727	Ashley Lake	2016	Odor	None	1	1
W2727	Ashley Lake	2016	Scum	No	1	1
W2727	Ashley Lake	2016	Turbidity	None	1	1

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Ashley Lake (MA21003) is assessed as Fully Supporting. In Ashley Lake (MA21003), MassDEP collected Secchi data at W2727 [42.382546, -73.161682, approximately 2200 feet southeast from dam, west of Washington Mountain Road, Washington] (2016), Secchi and cyanobacteria cell count data at W2638 [MAP2L-042, Index-deep hole] (2016), and cyanobacteria cell count and cyanotoxin data at W2616 [MAP2L-042S, Shoreline] (2016). Secchi depth data indicated water clarity meeting the 1.2m (4ft) threshold at W2638 in 2016 (n=2, 4.5-5.5m). Secchi depth data were too limited (n <3 or missing station depth) to evaluate water clarity using data from W2727 in 2016 (n=1, 6m). The cyanobacteria cell count did not exceed 70,000 cells/ml in any of the water samples in 2016 (n=6). Analysis of microcystins samples from W2616 in 2016 (n=3) indicated that the concentrations did not exceed the threshold of 8 µg/L. MassDEP staff collected *E. coli* bacteria samples in Ashley Lake (MA21003) at W2616 [S western end of lake, W of Washington Mountain Rd, Washington] from May-Sep 2016 (n=5). Analysis of the single year limited frequency *E. coli* dataset from W2616 indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 1 CFU/100ml. *E. coli* data from W2616 meet 2024 CALM guidance.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2616	MassDEP	Water Quality	Ashley Lake	[south western end of lake, west of Washington Mountain Road, Washington]	42.376746	-73.162360
W2638	MassDEP	Water Quality	Ashley Lake	[index site, Washington]	42.381367	-73.160733

## Bacteria Data

### Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)

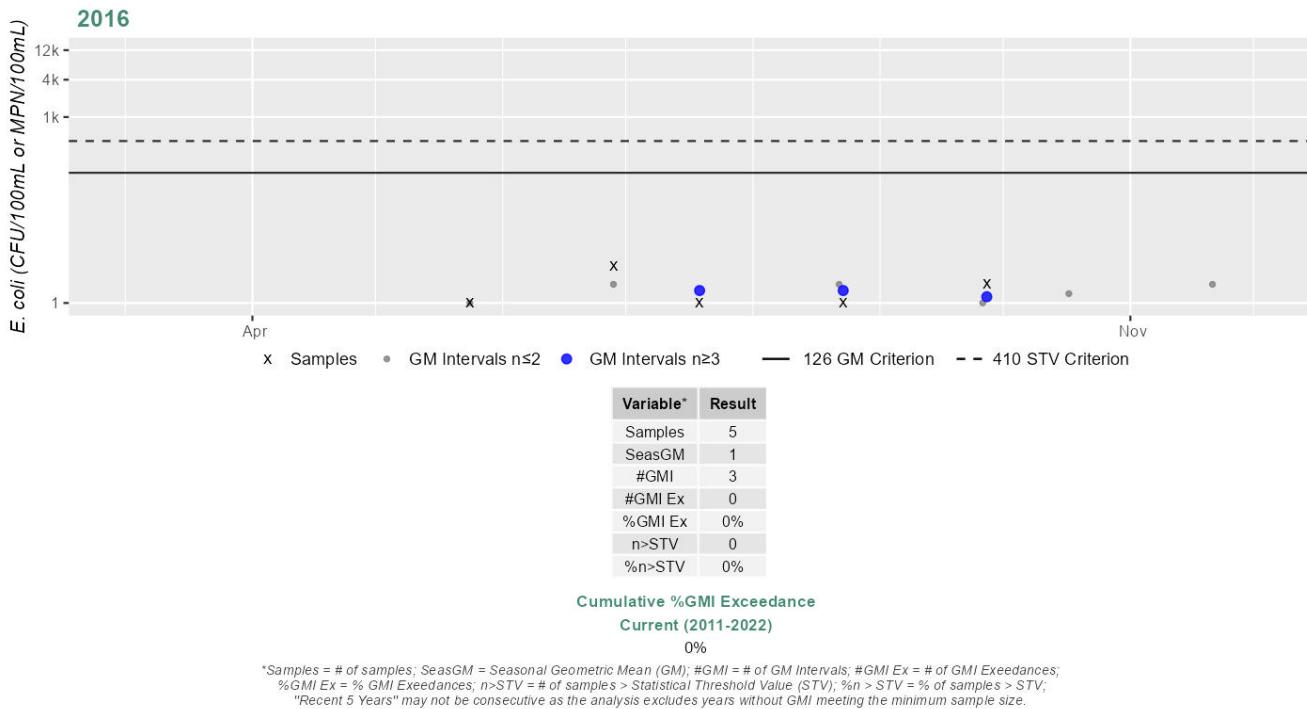
(MassDEP Undated 6) (MassDEP Undated 4)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W2616	MassDEP	<i>E. coli</i>	05/23/16	09/26/16	5	1	4	1

### Station MASSDEP\_W2616 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Other Indicators

#### Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 6) (MassDEP Undated 4)

Data Year(s)	Summary
2016	In Ashley Lake (MA21003) in 2016, MassDEP collected Secchi data at W2727 [42.382546, -73.161682, approximately 2200 feet southeast from dam, west of Washington Mountain Road, Washington], Secchi and cyanobacteria cell count data at W2638 [MAP2L-042, Index-deep hole], and cyanobacteria cell count and cyanotoxin data at W2616 [MAP2L-042S, Shoreline]. At the index station W2638 (station depth=14.6 m) the Secchi depth measurements ranged from 4.5-5.5 m (n=2) and at station W2727 southeast of the dam (station depth=6.9 m) the Secchi depth (n=1) was measured to be 6 m on Jun 28, indicating water clarity meeting the 1.2 m (4 ft) threshold at both stations. The cyanobacteria cell count did not exceed 70,000 cells/mL in any of the water samples from W2638 or W2616 (n=6). Analysis of microcystins samples from the shoreline station W2616 (n=3) indicated that the concentrations did not exceed the threshold of 8 µg/L.

#### MassDEP Cyanobacteria Cell Count Data Collected at Lakes and Impoundments (2016-2018) (MassDEP Undated 6) (MassDEP Undated 4)

Station Code	Waterbody	Station Type	Data Year	Sample Count	Count >70,000 cells/mL	Exceedance Date(s)
W2616	Ashley Lake	Shoreline	2016	3	0	NA
W2638	Ashley Lake	Index	2016	3	0	NA

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
<p>The Secondary Contact Recreation Use for Ashley Lake (MA21003) is assessed as Fully Supporting. In Ashley Lake (MA21003), MassDEP collected cyanobacteria cell count data at W2638 [MAP2L-042, Index-deep hole] (2016) and cyanobacteria cell count and cyanotoxin data at W2616 [MAP2L-042S, Shoreline] (2016). The cyanobacteria cell count did not exceed 70,000 cells/ml in any of the water samples in 2016 (n=6). Analysis of microcystins samples from W2616 in 2016 (n=3) indicated that the concentrations did not exceed the threshold of 8 µg/L. MassDEP staff collected <i>E. coli</i> bacteria samples in Ashley Lake (MA21003) at W2616 [S western end of lake, W of Washington Mountain Rd, Washington] from May-Sep 2016 (n=5). Analysis of the single year limited frequency <i>E. coli</i> dataset from W2616 indicated 0% of intervals had GMs &gt;244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV, and the overall GM was 1 CFU/100ml. <i>E. coli</i> data from W2616 meet 2024 CALM guidance.</p>

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2616	MassDEP	Water Quality	Ashley Lake	[south western end of lake, west of Washington Mountain Road, Washington]	42.376746	-73.162360

## Bacteria Data

### Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)

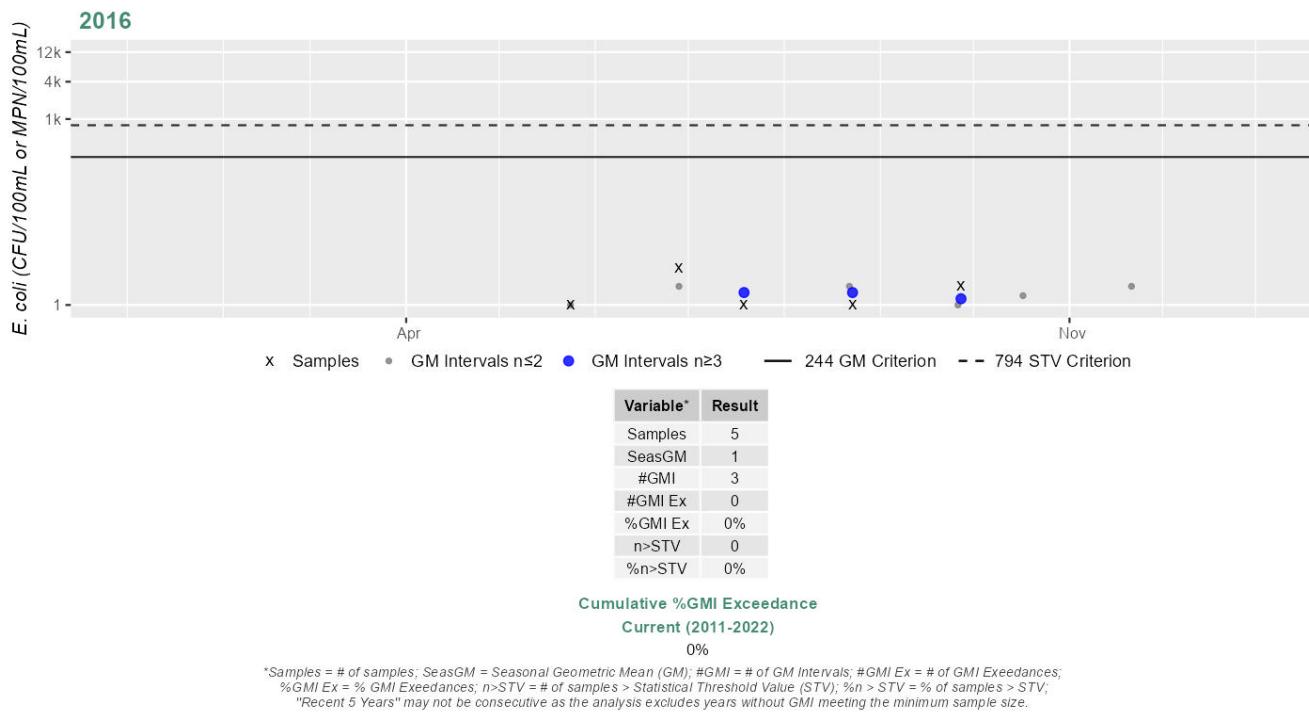
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W2616	MassDEP	<i>E. coli</i>	05/23/16	09/26/16	5	1	4	1

**Station MASSDEP\_W2616 - *Escherichia coli***

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Ashmere Lake (MA21005)

<b>Location:</b>	Hinsdale/Peru.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	294 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
4c	5	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--		Unchanged
4c	5	Mercury in Fish Tissue	--		Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Mercury in Fish Tissue	Atmospheric Deposition (N)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

2024/26 Use Attainment Summary
--------------------------------

The Fish Consumption Use for Ashmere Lake (MA21005) is assessed as Not Supporting with a new impairment being added for Mercury in Fish Tissue. Fish toxics sampling for metals (mercury, arsenic, cadmium and selenium) was performed by MassDEP WPP biologists in Ashmere Lake (MA21005) at station F0350 in 2020 at the recommendation of the Interagency Committee on Freshwater Fish Toxics Monitoring and Assessment in response to a public request for monitoring. MDPH issued a site-specific advisory for Mercury in Ashmere Lake in their June 2021 Freshwater Fish Consumption Advisory List and retained it in the January 2025 list. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations. The likely source of Mercury, although not confirmed, is atmospheric deposition.

### ***Fish Consumption Advisories***

**Summary of Fish Toxics Sampling and Resulting Fish Consumption Advisories (MA DPH 2025) (MassDEP Undated 5)**

<b>Summary Statement</b>
Fish toxics sampling for metals (mercury, arsenic, cadmium and selenium) was performed by MassDEP WPP biologists in Ashmere Lake (MA21005) at station F0350 in 2020 at the recommendation of the Interagency Committee on Freshwater Fish Toxics Monitoring and Assessment in response to a public request for monitoring. Because of elevated Mercury measured in fish filets, MDPH issued site-specific fish consumption advisories for Ashmere Lake in their June 2021 Freshwater Fish Consumption Advisory List and retained them in the January 2025 list. The site-specific DPH advisories are indicative of a Fish Consumption Use impairment for Mercury in Fish Tissue for Ashmere Lake (MA21005).

### **Aesthetic**

<b>2024/26 Use Attainment</b>	<b>Alert</b>
Not Assessed	NO

<b>2024/26 Use Attainment Summary</b>
No data are available, so the Aesthetics Use for Ashmere Lake (MA21005) is Not Assessed.

### **Primary Contact Recreation**

<b>2024/26 Use Attainment</b>	<b>Alert</b>
Not Assessed	NO

<b>2024/26 Use Attainment Summary</b>
No bacteria or other indicator data for Ashmere Lake (MA21005) are available, so the Primary Contact Recreation Use is Not Assessed.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Ashmere Lake (MA21005) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

## Baldwin Brook (MA21-48)

<b>Location:</b>	From the NY/MA border in West Stockbridge to mouth at confluence with Flat Brook, West Stockbridge.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.9 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Baldwin Brook (MA21-48) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

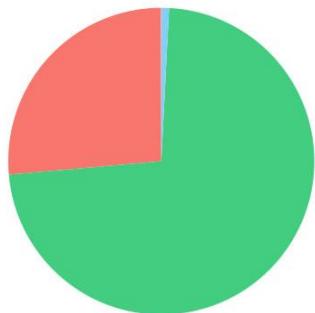
AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Barton Brook (MA21-60)

<b>Location:</b>	Headwaters, south of Grange Hall Road, Dalton to mouth at confluence with East Branch Housatonic River, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3.2 MILES
<b>Classification/Qualifier:</b>	B: CWF

### Barton Brook (MA21-60)

Watershed Area: 1.96 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	1.96	1.96	0.51	0.51
Agriculture	0%	0%	0%	0%
Developed	26.4%	26.4%	25.4%	25.4%
Natural	72.8%	72.8%	73.9%	73.9%
Wetland	0.8%	0.8%	0.7%	0.7%
Impervious	11.2%	11.2%	10.6%	10.6%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Recommendations

2024/26 Recommendations
2024/2026 IR [Bacteria, Medium] Conduct follow-up monitoring for <i>E. coli</i> in Anthony Brook (MA21-10) at Station HVA_BBK400 to confirm elevated bacteria levels measured upstream of the Hubbard Avenue bridge in 2021. {HVA_BBK400}

## Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Barton Brook (MA21-60) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No data are available, so the Aesthetics Use for Barton Brook (MA21-60) is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	YES

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Barton Brook (MA21-60) is assessed as Fully Supporting. HVA staff/volunteers collected *E. coli* bacteria samples in Barton Brook (MA21-60) from 2021-2022 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_OF\_BaB260-OT [Opposite 222 Grange Hall Rd, Dalton] from Jul-Aug 2022 (n=2), HVA\_BBK200 [Barton Brook (downstream of Sleepy Hollow Drive Bridge), Dalton] from Jun-Sep 2021 (n=6), HVA\_BBK400 [Barton Brook (upstream of the Hubbard Avenue Bridge), Dalton] from Jun-Sep 2021 (n=5). Analysis of the single year limited frequency *E. coli* dataset from HVA\_BBK200 indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 31 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from HVA\_BBK400 indicated 75% of intervals had GMs >126 CFU/100ml, 1 sample exceeded the 410 CFU/100ml STV, and the seasonal GM was 130 CFU/100ml. *E. coli* data from HVA\_OF\_BaB260-OT are too limited according to the 2024 CALM to assess the Primary Contact Recreation Use. *E. coli* data from HVA\_BBK200 and HVA\_BBK400 meet 2024 CALM guidance. An Alert is being identified for *Escherichia coli* at HVA\_BBK400.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_BBK200	Housatonic Valley Association	Water Quality	Barton Brook	Barton Brook (Downstream of Sleepy Hollow Drive Bridge), Dalton	42.460460	-73.176781

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_BBK400	Housatonic Valley Association	Water Quality	Barton Brook	Barton Brook (Upstream of the Hubbard Avenue Bridge), Dalton	42.462041	-73.188668
HVA_OF_BaB260-OT	Housatonic Valley Association	Water Quality	Barton Brook	Opposite 222 Grange Hall Road, Dalton	42.460817	-73.174736

## Bacteria Data

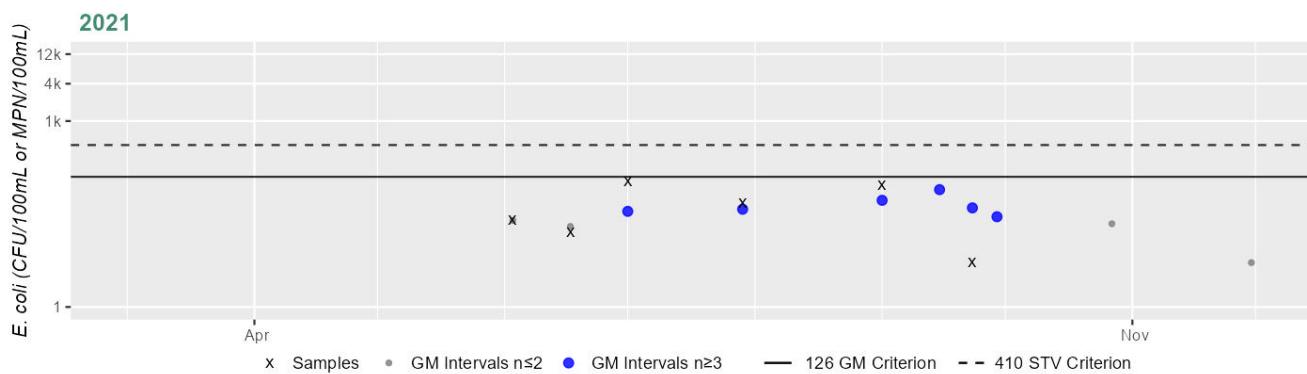
Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_BBK200	Housatonic Valley Association	E. coli	06/03/21	09/23/21	6	5	106	31
HVA_BBK400	Housatonic Valley Association	E. coli	06/03/21	09/23/21	5	29	866	130
HVA_OF_BaB260-OT	Housatonic Valley Association	E. coli	07/28/22	08/11/22	2	22	38	29

### Station HVA\_BBK200 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



Variable*	Result
Samples	6
SeasGM	31
#GMI	6
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

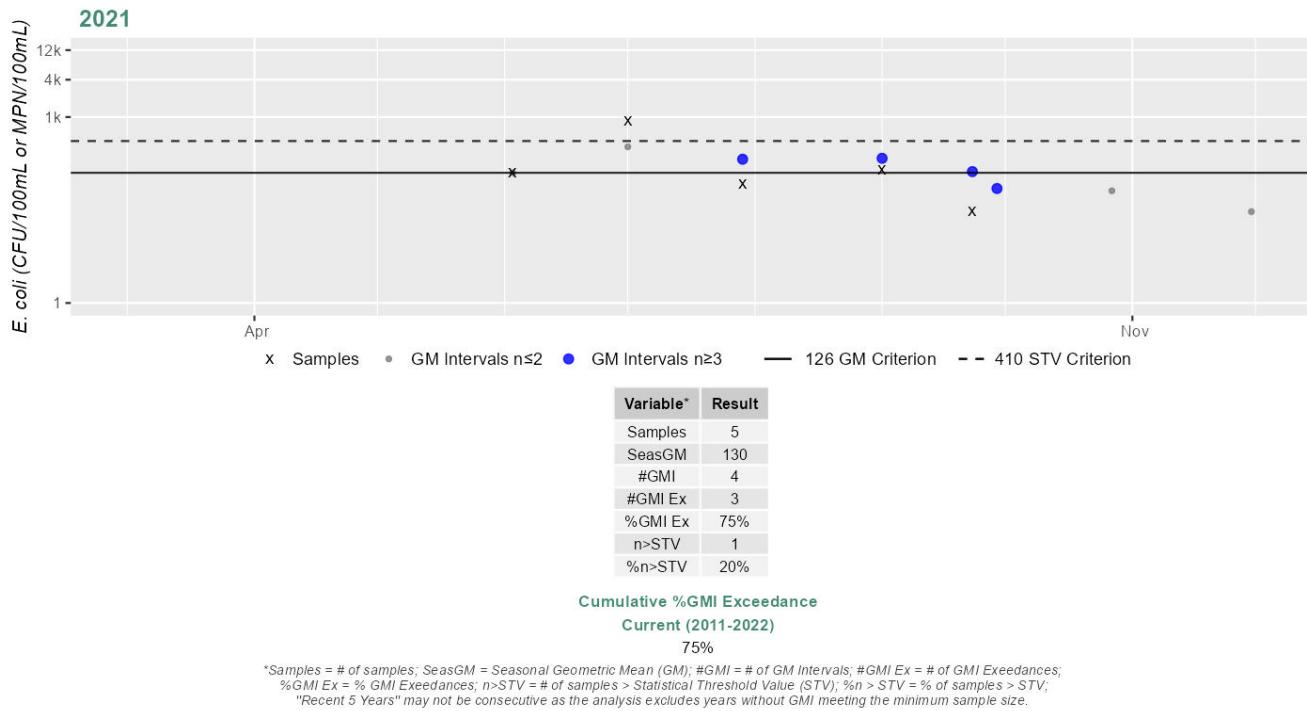
### Cumulative %GMI Exceedance Current (2011-2022)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

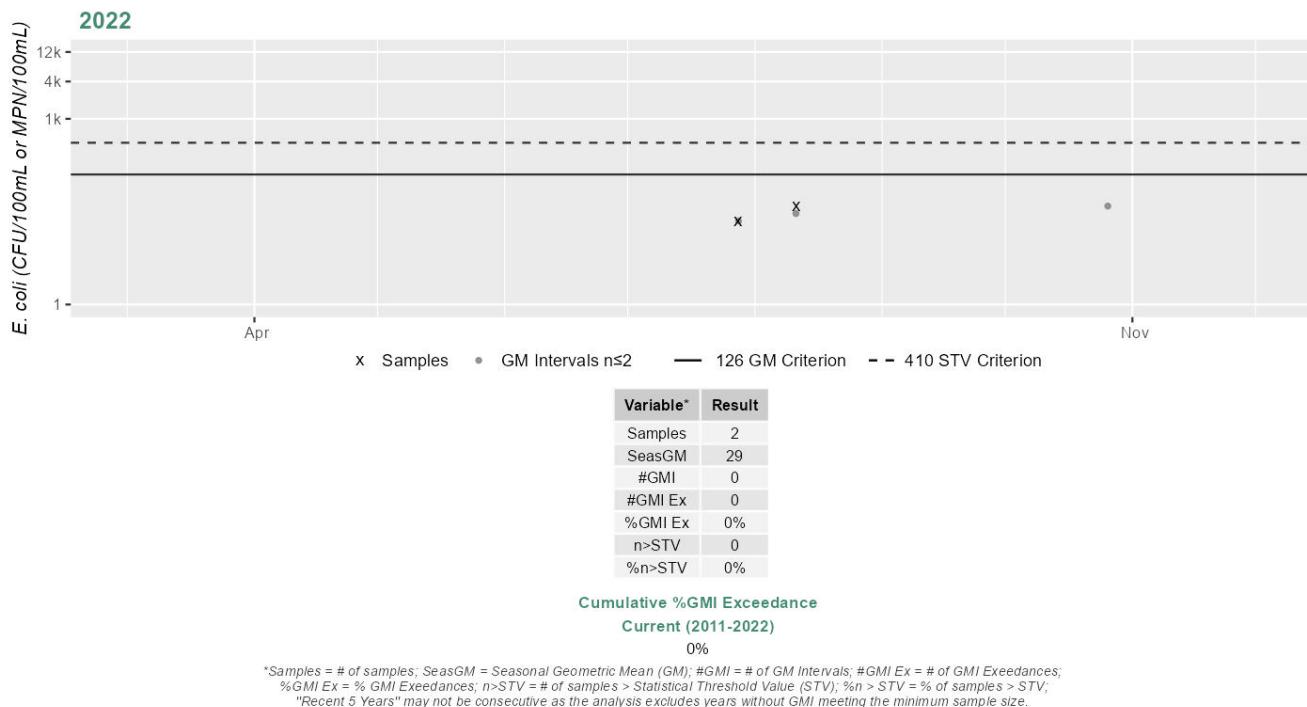
### Station HVA\_BBK400 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Station HVA\_OF\_BaB260-OT - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Barton Brook (MA21-60) is assessed as Fully Supporting. HVA staff/volunteers collected *E. coli* bacteria samples in Barton Brook (MA21-60) from 2021-2022 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_OF\_BaB260-OT [Opposite 222 Grange Hall Rd, Dalton] from Jul-Aug 2022 (n=2), HVA\_BBK200 [Barton Brook (downstream of Sleepy Hollow Drive Bridge), Dalton] from Jun-Sep 2021 (n=6), HVA\_BBK400 [Barton Brook (upstream of the Hubbard Avenue Bridge), Dalton] from Jun-Sep 2021 (n=5). The available *E. coli* data at HVA\_OF\_BaB260-OT are too limited to assess according to the 2024 CALM. Analysis of the single year limited frequency *E. coli* dataset from HVA\_BBK200 indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV, and the overall GM was 31 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from HVA\_BBK400 indicated 0% of intervals had GMs >244 CFU/100ml, 1 sample exceeded the 794 CFU/100ml STV, and the overall GM was 130 CFU/100ml. *E. coli* data from HVA\_OF\_BaB260-OT are too limited according to the 2024 CALM to assess the Secondary Contact Recreation Use. *E. coli* data from HVA\_BBK400 are inconclusive according to the 2024 CALM to assess the Secondary Contact Recreation Use because this single year, limited frequency dataset included both GMs below the threshold and STV exceedance of the threshold. *E. coli* data from HVA\_BBK200 meet 2024 CALM guidance.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_BBK200	Housatonic Valley Association	Water Quality	Barton Brook	Barton Brook (Downstream of Sleepy Hollow Drive Bridge), Dalton	42.460460	-73.176781
HVA_BBK400	Housatonic Valley Association	Water Quality	Barton Brook	Barton Brook (Upstream of the Hubbard Avenue Bridge), Dalton	42.462041	-73.188668
HVA_OF_BaB260-OT	Housatonic Valley Association	Water Quality	Barton Brook	Opposite 222 Grange Hall Road, Dalton	42.460817	-73.174736

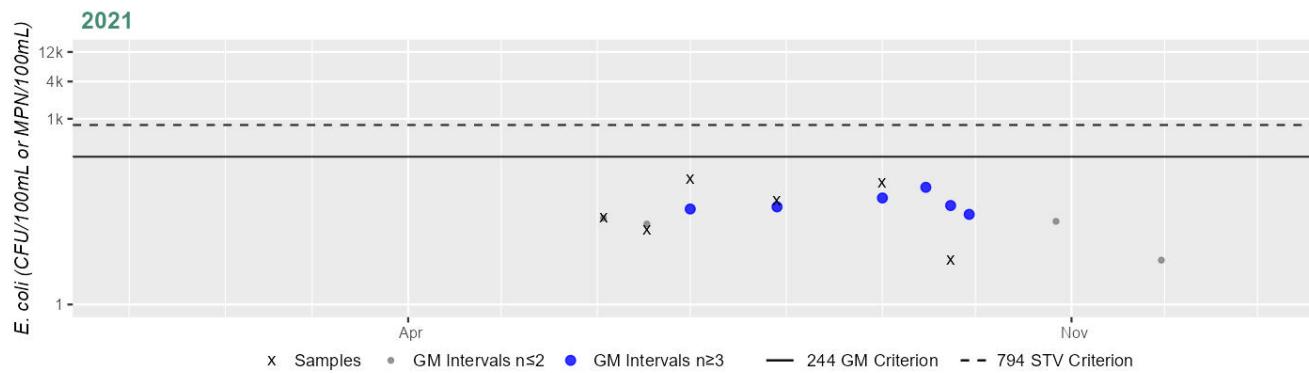
### Bacteria Data

**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1)**  
 [Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_BBK200	Housatonic Valley Association	E. coli	06/03/21	09/23/21	6	5	106	31
HVA_BBK400	Housatonic Valley Association	E. coli	06/03/21	09/23/21	5	29	866	130
HVA_OF_BaB260-OT	Housatonic Valley Association	E. coli	07/28/22	08/11/22	2	22	38	29

### Station HVA\_BBK200 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	6
SeasGM	31
#GMI	6
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

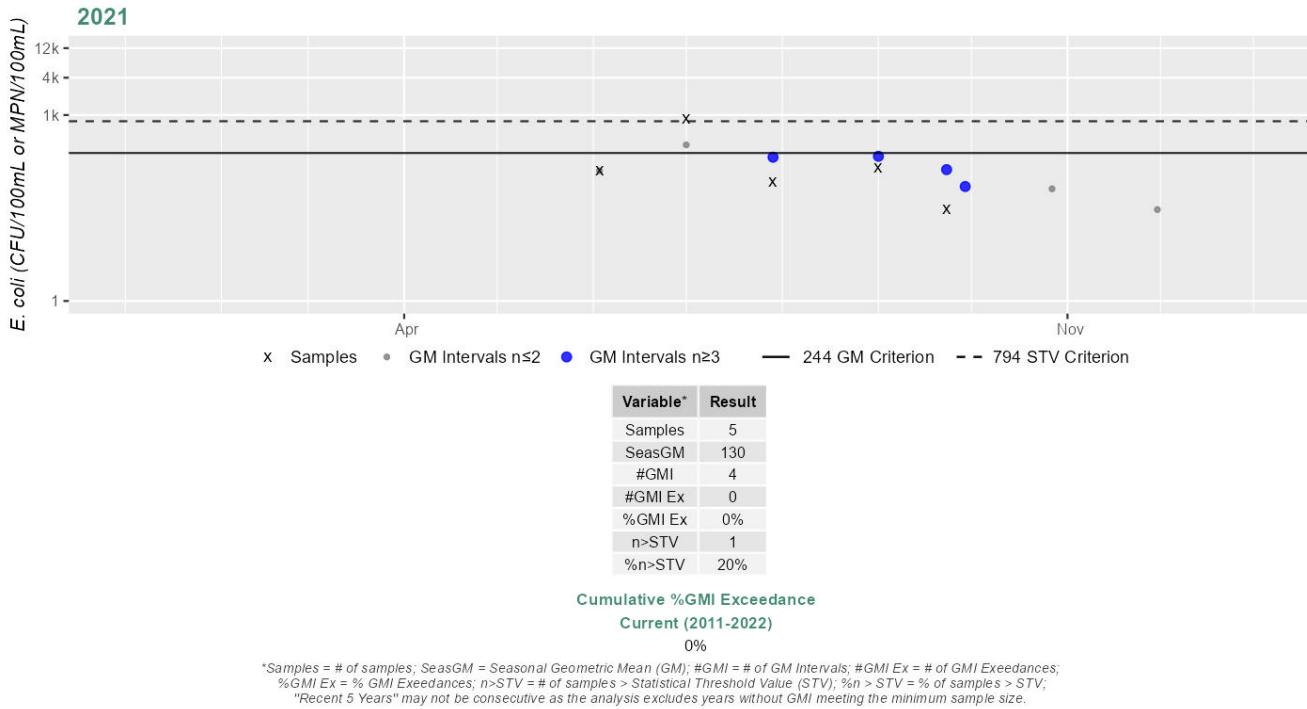
### Cumulative %GMI Exceedance Current (2011-2022)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

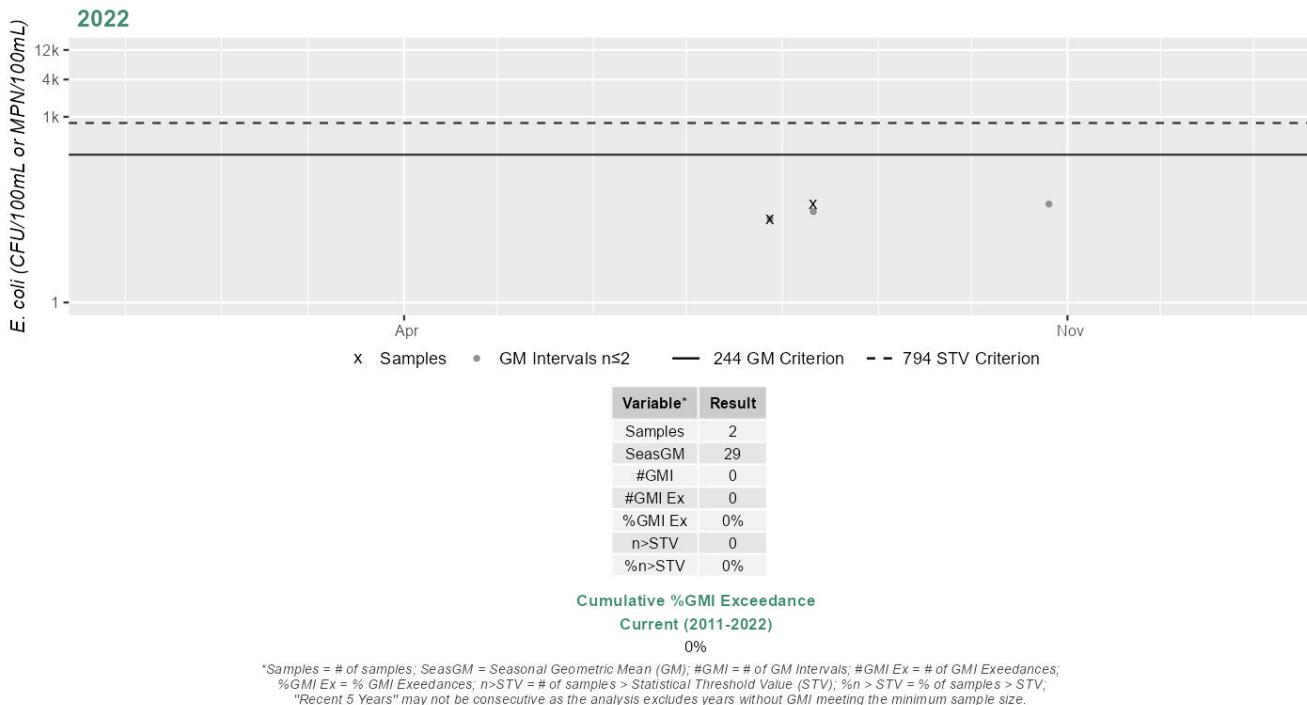
### Station HVA\_BBK400 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Station HVA\_OF\_BaB260-OT - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Bear Rock Stream (MA21-43)

<b>Location:</b>	Headwaters, outlet Plantain Pond, Mount Washington to mouth at confluence with Schenob Brook, Sheffield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2 MILES
<b>Classification/Qualifier:</b>	B: CWF

No usable data were available for Bear Rock Stream (MA21-43) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

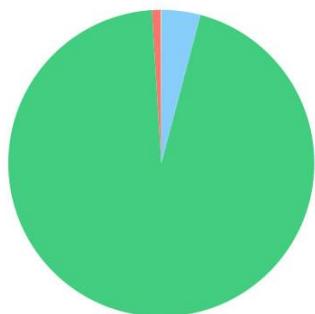
AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Beartown Brook (MA21-74)

<b>Location:</b>	Headwaters, confluence of West and East brooks (east of Beartown Mountain Road), Lee to mouth at confluence with Housatonic River, Lee.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	0.8 MILES
<b>Classification/Qualifier:</b>	B

### Beartown Brook (MA21-74)

Watershed Area: 8.83 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	8.83	5.60	1.80	1.17
Agriculture	0.1%	0.1%	0.3%	0.5%
Developed	0.9%	1%	2.2%	2.8%
Natural	94.9%	95.4%	87.8%	90.5%
Wetland	4.1%	3.5%	9.7%	6.2%
Impervious	0.6%	0.7%	1.6%	2%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Beartown Brook (MA21-74) is Not Assessed.

## Aesthetic

2024/26 Use Attainment		Alert
Fully Supporting		NO

### 2024/26 Use Attainment Summary

The Aesthetics Use for Beartown Brook (MA21-74) is being assessed as Fully Supporting. MassDEP staff recorded aesthetics observations at one station, a third of the way down this Beartown Brook AU ~1500 feet upstream of Meadow Street, Lee (W2266), in summer 2012 (n=6). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded by MassDEP field sampling crews during the surveys.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2266	MassDEP	Water Quality	Beartown Brook	[approximately 1500 feet upstream of Meadow Street, Lee]	42.272112	-73.273980

## Aesthetic Observations

### Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 4)

[Note: scums of natural origins (e.g. pollen blankets or natural foams) are excluded.]

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2266	2012	6	Aesthetic observations were made by MassDEP field sampling crews at Station W2266 on Beartown Brook (MA21-74) during 6 site visits between May 2012 and Sep 2012. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

### Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 6) (MassDEP Undated 4)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2266	2012	6	6	0

### MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 6)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2266	Beartown Brook	2012	Aquatic Plant Density, Overall	None	6	6

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2266	Beartown Brook	2012	Color	None	6	6
W2266	Beartown Brook	2012	Objectionable Deposits	No	6	6
W2266	Beartown Brook	2012	Odor	Fishy	1	6
W2266	Beartown Brook	2012	Odor	None	5	6
W2266	Beartown Brook	2012	Periphyton Density, Filamentous	Moderate	1	6
W2266	Beartown Brook	2012	Periphyton Density, Filamentous	None	4	6
W2266	Beartown Brook	2012	Periphyton Density, Filamentous	Sparse	1	6
W2266	Beartown Brook	2012	Periphyton Density, Film	None	4	6
W2266	Beartown Brook	2012	Periphyton Density, Film	Sparse	2	6
W2266	Beartown Brook	2012	Scum	No	6	6
W2266	Beartown Brook	2012	Turbidity	None	6	6

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for Beartown Brook (MA21-74) is assessed as Fully Supporting. MassDEP staff collected <i>E. coli</i> bacteria samples in Beartown Brook (MA21-74) at W2266 [~1500 ft upstream of Meadow St, Lee] from May-Sep 2012 (n=6). <i>E. coli</i> data from W2266 meet 2024 CALM guidance.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2266	MassDEP	Water Quality	Beartown Brook	[approximately 1500 feet upstream of Meadow Street, Lee]	42.272112	-73.273980

## Bacteria Data

### Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)

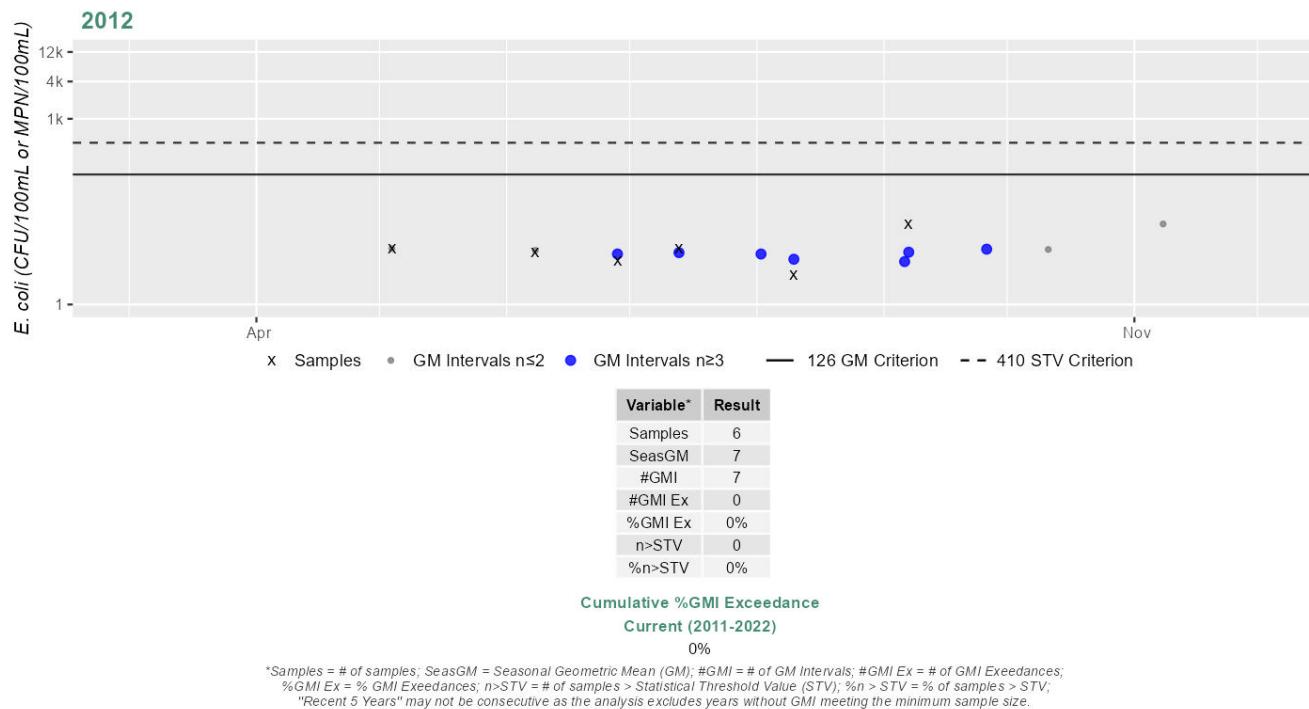
(MassDEP Undated 6) (MassDEP Undated 4)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W2266	MassDEP	E. coli	05/03/12	09/06/12	6	3	20	7

### Station MASSDEP\_W2266 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary	
The Secondary Contact Recreation Use for Beartown Brook (MA21-74) is assessed as Fully Supporting. MassDEP staff collected <i>E. coli</i> bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in Beartown Brook (MA21-74) from 2007-2012 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: W2266 [~1500 ft upstream of Meadow St, Lee] from May-Sep 2012 (n=6), W1567 [Meadow St, Lee] from May-Sep 2007 (n=5). <i>E. coli</i> data from W2266 meet 2024 CALM guidance.	

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1567	MassDEP	Water Quality	Beartown Brook	[Meadow Street, Lee]	42.273260	-73.269433
W2266	MassDEP	Water Quality	Beartown Brook	[approximately 1500 feet upstream of Meadow Street, Lee]	42.272112	-73.273980

## Bacteria Data

### Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)

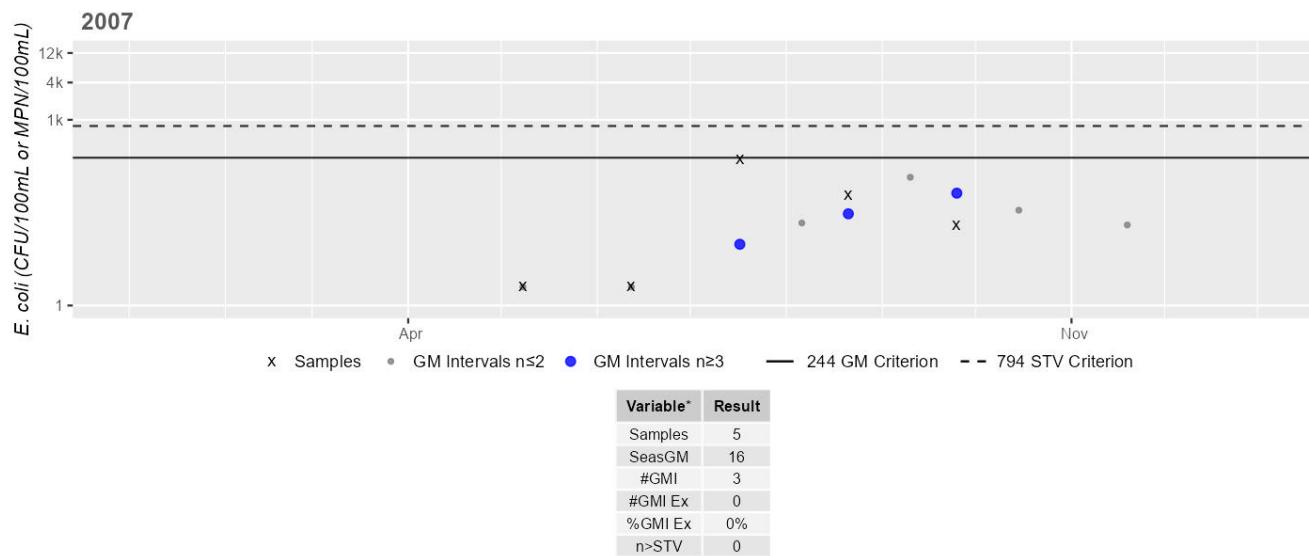
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W1567	MassDEP	E. coli	05/08/07	09/25/07	5	2	232	16
W2266	MassDEP	E. coli	05/03/12	09/06/12	6	3	20	7

#### Station MASSDEP\_W1567 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



#### Cumulative %GMI Exceedance

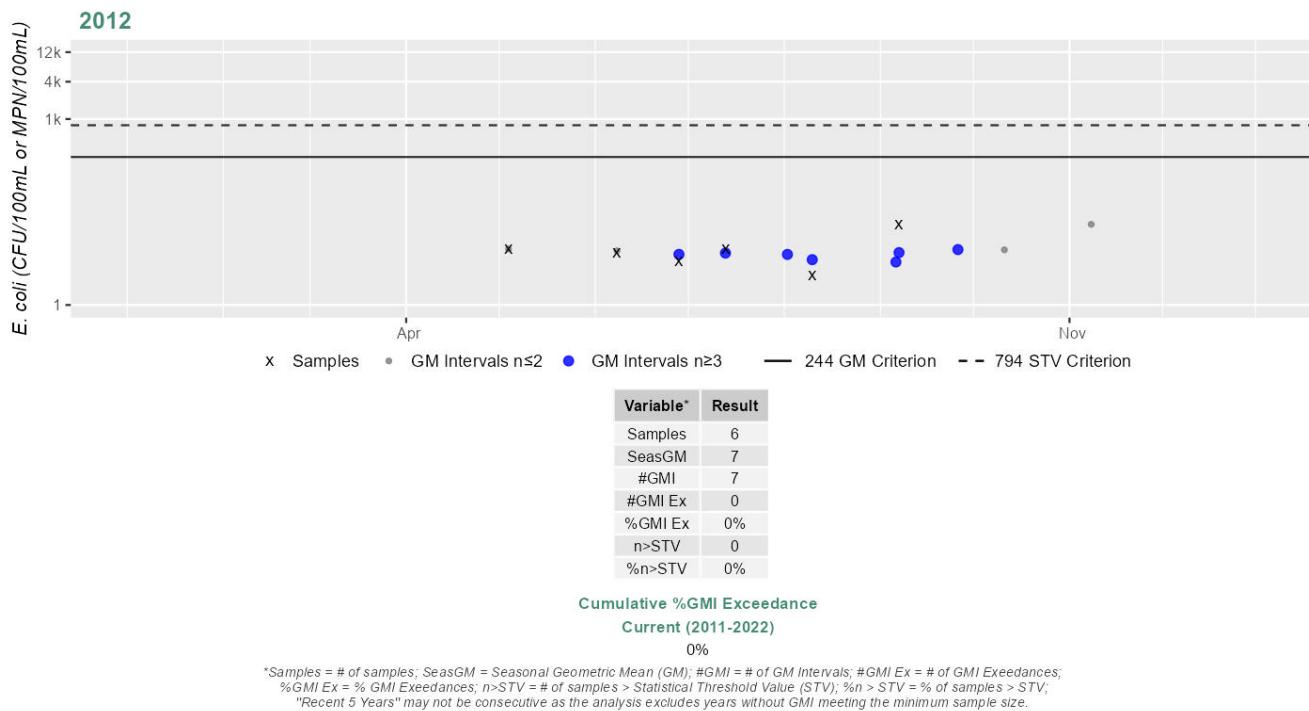
Historic (1997-2010)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

**Station MASSDEP\_W2266 - *Escherichia coli***

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Benedict Pond (MA21011)

<b>Location:</b>	Great Barrington/Monterey.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	37 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
2	5	Enterococcus	--		Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Enterococcus	Source Unknown (N)	--	--	--	X	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment		Alert
Not Assessed		No
2024/26 Use Attainment Summary		
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Benedict Pond (MA21011) is Not Assessed.		

### Aesthetic

2024/26 Use Attainment		Alert
Not Assessed		NO
2024/26 Use Attainment Summary		

No data are available, so the Aesthetics Use for Benedict Pond (MA21011) is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Benedict Pond (MA21011) is assessed as Not Supporting. An *Enterococcus* impairment is being added due to DPH Beach Closures data not meeting the threshold at Benedict Pond Beach (DCR) [Beach ID: 4733]. Benedict Pond (MA21011) has a beach with DPH Beach Closure data: Benedict Pond (DCR) [Beach ID: 4733] beach in Monterey. Beaches were posted for >10% of the swimming season at Benedict Pond Beach (DCR) in 2021 (29%) and 2022 (30%) indicating an *Enterococcus* impairment.

## Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 2)

Beach ID	Beach Name/Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
4733	Benedict Pond Beach (DCR)/ Monterey	42.20392, -	42.20375, -73.28960 73.29000	0%	0%	0%	11%	0%	0%	0%	29%	30%	3

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	NO

### 2024/26 Use Attainment Summary

No bacteria data are available to assess the Secondary Contact Recreation Use for Benedict Pond (MA21011) so it is assessed as having Insufficient Information. Benedict Pond (MA21011) has a beach with DPH Beach Closure data: Benedict Pond (DCR) [Beach ID: 4733] beach in Monterey. Available DPH Beach Closure data cannot be used to positively assess the Secondary Contact Recreation Use since beaches were posted for >10% of the swimming season: Benedict Pond Beach (DCR) in 2021 and 2022.

## Brattle Brook (MA21-59)

<b>Location:</b>	Headwaters, northwest of Tully Mountain, Dalton to mouth at confluence with East Branch Housatonic River, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.9 MILES
<b>Classification/Qualifier:</b>	B: CWF

No usable data were available for Brattle Brook (MA21-59) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Cady Brook (MA21-12)

<b>Location:</b>	Headwaters, northwest corner Peru, to mouth at inlet of Windsor Reservoir, Hinsdale.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3.5 MILES
<b>Classification/Qualifier:</b>	A: PWS, ORW (Tributary)

No usable data were available for Cady Brook (MA21-12) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

## Card Pond (MA21015)

<b>Location:</b>	West Stockbridge.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	11 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
3	4c	(Aquatic Plants (Macrophytes)*)	--		Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Aquatic Plants (Macrophytes)*)	Source Unknown (N)	--	--	X	X	X

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Card Pond (MA21015) is Not Assessed.

### Aesthetic

2024/26 Use Attainment		Alert
Not Supporting		NO

### 2024/26 Use Attainment Summary

The Aesthetics Use for Card Pond (MA21015) is assessed as Not Supporting based on the observations from the 2016 MassDEP MAP2 macrophyte mapping survey, with an Aquatic Plants (Macrophytes) impairment being added. MassDEP staff recorded aesthetics observations as part of the MAP2 lake monitoring project in summer 2016 at two stations in West Stockbridge, for this Card Pond AU; at the beach at the northern end of pond, west of Rt. 41 (Great Barrington Rd) (W2617/MAP2L-026S, n=5) and at the index site at the northern end of pond, (W2630/MAP2L-026, n=3). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, or littoral zone duckweed recorded in ten shoreline plots (n=1). However, during the MAP2 macrophyte mapping survey in Jul 2016 (n=1), greater than 25% (94.1%) of the waterbody was determined to have an aquatic macrophyte biovolume >50%.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2617	MassDEP	Water Quality	Card Pond	[beach at northern end of pond, west of Route 41 (Great Barrington Road), West Stockbridge]	42.327931	-73.366615
W2630	MassDEP	Water Quality	Card Pond	[index site, northern end of pond, West Stockbridge]	42.327917	-73.366957

### Aesthetic Observations

#### Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 4)

[Note: scums of natural origins (e.g. pollen blankets or natural foams) are excluded.]

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2617	2016	5	Aesthetic observations were made by MassDEP field sampling crews at Station W2617 (MAP2L-026S) on Card Pond (MA21015) during 5 site visits between May 2016 and Sep 2016. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. During the MAP2 littoral survey (n=1), duckweed was not noted in any of the 10 shoreline plots.

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2630	2016	3	Aesthetic observations were made by MassDEP field sampling crews at Station W2630 (MAP2L-026) on Card Pond (MA21015) during 3 site visits between Jun 2016 and Sep 2016. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted dense/very dense plant cover on the waterbody surface (n=1). During the MAP2 macrophyte mapping survey (n=1) in Jul 2016, greater than 25% (94.1%) of the waterbody was determined to have an aquatic macrophyte biovolume >50%. The observations from the MAP2 survey are indicative of an Aesthetics Use impairment.

#### MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 6)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2617	Card Pond	2016	Aesthetics Impaired?	No	5	5
W2617	Card Pond	2016	Color	Dark Tan	1	5
W2617	Card Pond	2016	Color	Light Yellow/Tan	3	5
W2617	Card Pond	2016	Color	None	1	5
W2617	Card Pond	2016	Objectionable Deposits	No	5	5
W2617	Card Pond	2016	Odor	None	5	5
W2617	Card Pond	2016	Scum	No	5	5
W2617	Card Pond	2016	Turbidity	None	5	5
W2630	Card Pond	2016	Aesthetics Impaired?	No	3	3
W2630	Card Pond	2016	Aquatic Plant Density, Overall	None	2	3
W2630	Card Pond	2016	Aquatic Plant Density, Overall	NR	1	3
W2630	Card Pond	2016	Aquatic Plant Density, Whole Lake	Very Dense	1	1
W2630	Card Pond	2016	Color	Light Yellow/Tan	1	3
W2630	Card Pond	2016	Color	None	2	3
W2630	Card Pond	2016	Duckweed Density, Whole Lake	NR	1	1
W2630	Card Pond	2016	Objectionable Deposits	No	2	3
W2630	Card Pond	2016	Objectionable Deposits	Yes	1	3
W2630	Card Pond	2016	Odor	None	3	3
W2630	Card Pond	2016	Scum	No	3	3
W2630	Card Pond	2016	Turbidity	None	3	3

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Card Pond (MA21015) is assessed as Not Supporting. An Aquatic Plants (Macrophytes) impairment is being added (from the Aesthetics Use). In Card Pond (MA21015), MassDEP collected Secchi and cyanobacteria cell count data at W2630 [MAP2L-026, Index-deep hole] (2016) and cyanobacteria cell count and cyanotoxin data at W2617 [MAP2L-026S, Shoreline] (2016). Secchi depth data indicated water clarity meeting the 1.2m (4ft) threshold at W2630 in 2016 (n=3, 2.3-2.5m). The cyanobacteria cell count did not exceed 70,000 cells/ml in any of the water samples in 2016 (n=6). Analysis of microcystins and cylindrospermopsin samples from W2617 in 2016 (n=4) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. MassDEP staff collected *E. coli* bacteria samples in Card Pond (MA21015) at W2617 [beach at northern end of pond, W of Rt. 41 (Great Barrington Rd), W Stockbridge] from May-Sep 2016 (n=5). Analysis of the single year limited frequency *E. coli* dataset from W2617 indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 7 CFU/100ml. *E. coli* data from W2617 meet 2024 CALM guidance.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2617	MassDEP	Water Quality	Card Pond	[beach at northern end of pond, west of Route 41 (Great Barrington Road), West Stockbridge]	42.327931	-73.366615
W2630	MassDEP	Water Quality	Card Pond	[index site, northern end of pond, West Stockbridge]	42.327917	-73.366957

### Bacteria Data

#### Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)

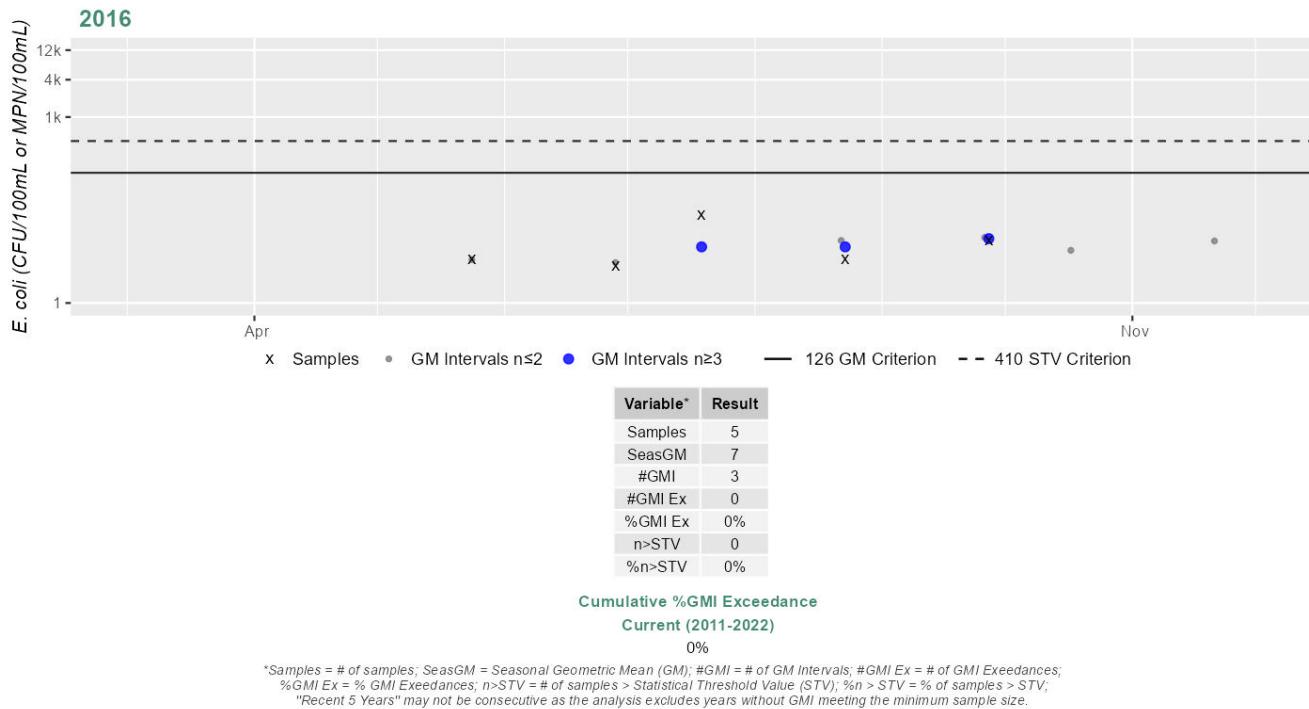
(MassDEP Undated 6) (MassDEP Undated 4)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W2617	MassDEP	<i>E. coli</i>	05/23/16	09/26/16	5	4	26	7

### Station MASSDEP\_W2617 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Other Indicators

#### Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data

(MassDEP Undated 6) (MassDEP Undated 4)

Data Year(s)	Summary
2016	In Card Pond (MA21015) in 2016, MassDEP collected Secchi and cyanobacteria cell count data at W2630 [MAP2L-026, Index-deep hole], and cyanobacteria cell count and cyanotoxin data at W2617 [MAP2L-026S, Shoreline]. At station W2630 (station depth=2.5 m) the Secchi depth measurements ranged from 2.3-2.5 m (n=3) indicating water clarity meeting the 1.2 m (4 ft) threshold. The cyanobacteria cell count did not exceed 70,000 cells/mL in any of the water samples (n=6). Analysis of microcystins and cylindrospermopsin samples from the shoreline station W2617 (n=4) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L.

#### MassDEP Cyanobacteria Cell Count Data Collected at Lakes and Impoundments (2016-2018) (MassDEP Undated 6) (MassDEP Undated 4)

Station Code	Waterbody	Station Type	Data Year	Sample Count	Count >70,000 cells/mL	Exceedance Date(s)
W2617	Card Pond	Shoreline	2016	3	0	NA
W2630	Card Pond	Index	2016	3	0	NA

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
<p>The Secondary Contact Recreation Use for Card Pond (MA21015) is assessed as Not Supporting. An Aquatic Plants (Macrophytes) impairment is being added (from the Aesthetics Use). In Card Pond (MA21015), MassDEP collected cyanobacteria cell count data at W2630 [MAP2L-026, Index-deep hole] (2016) and cyanobacteria cell count and cyanotoxin data at W2617 [MAP2L-026S, Shoreline] (2016). The cyanobacteria cell count did not exceed 70,000 cells/ml in any of the water samples in 2016 (n=6). Analysis of microcystins and cylindrospermopsin samples from W2617 in 2016 (n=4) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. MassDEP staff collected <i>E. coli</i> bacteria samples in Card Pond (MA21015) at W2617 [beach at northern end of pond, W of Rt. 41 (Great Barrington Rd), W Stockbridge] from May-Sep 2016 (n=5). Analysis of the single year limited frequency <i>E. coli</i> dataset from W2617 indicated 0% of intervals had GMs &gt;244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV, and the overall GM was 7 CFU/100ml. <i>E. coli</i> data from W2617 meet 2024 CALM guidance.</p>

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2617	MassDEP	Water Quality	Card Pond	[beach at northern end of pond, west of Route 41 (Great Barrington Road), West Stockbridge]	42.327931	-73.366615

### Bacteria Data

#### Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)

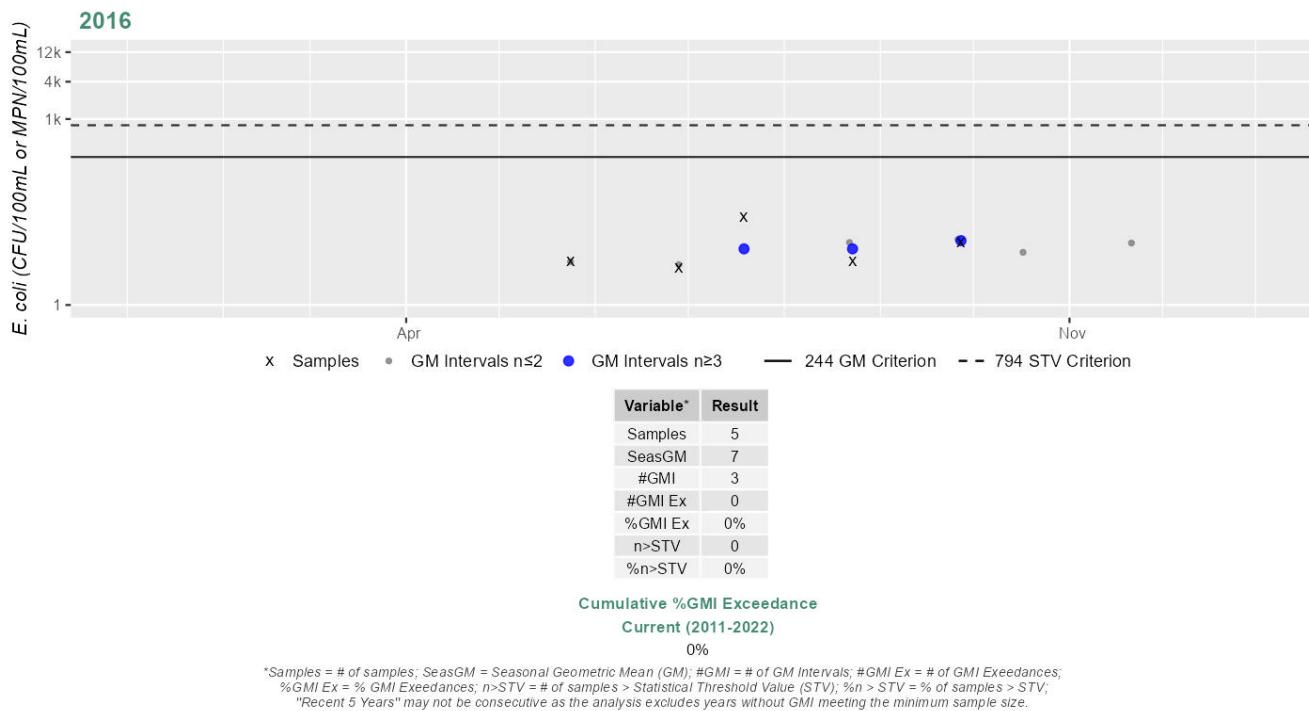
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W2617	MassDEP	<i>E. coli</i>	05/23/16	09/26/16	5	4	26	7

**Station MASSDEP\_W2617 - *Escherichia coli***

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

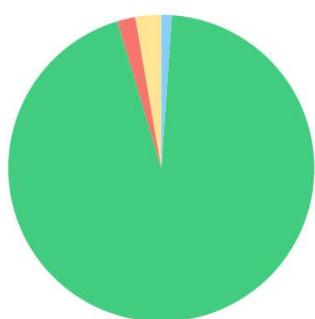


# Churchill Brook (MA21-34)

<b>Location:</b>	Headwaters, perennial portion in the Pittsfield State Forest, Hancock (north of Honwee Mountain, Lanesborough) to mouth at inlet Onota Lake, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.8 MILES
<b>Classification/Qualifier:</b>	B: CWF

## Churchill Brook (MA21-34)

Watershed Area: 1.26 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	1.26	1.26	0.37	0.37
Agriculture	2.7%	2.7%	2.9%	2.9%
Developed	1.9%	1.9%	2.2%	2.2%
Natural	94.2%	94.2%	91.8%	91.8%
Wetland	1.1%	1.1%	3.1%	3.1%
Impervious	0.6%	0.6%	0.8%	0.8%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Churchill Brook (MA21-34) is Not Assessed.

## Aesthetic

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No data are available, so the Aesthetics Use for Churchill Brook (MA21-34) is Not Assessed.	

## Primary Contact Recreation

2024/26 Use Attainment		Alert
Fully Supporting		NO

2024/26 Use Attainment Summary	
The Primary Contact Recreation Use for Churchill Brook (MA21-34) is assessed as Fully Supporting. HVA staff/volunteers collected <i>E. coli</i> bacteria samples in Churchill Brook (MA21-34) at HVA_CHB 200 [Just downstream of the Hancock Rd culvert recently replaced] from Jun-Sep 2019 (n=6). Analysis of the single year limited frequency <i>E. coli</i> dataset from HVA_CHB 200 indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 36 CFU/100ml. <i>E. coli</i> data from HVA_CHB 200 meet 2024 CALM guidance.	

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_CHB 200	Housatonic Valley Association	Water Quality	Churchill Brook	Just downstream of the Hancock Road culvert - recently replaced	42.490528	-73.279754

## Bacteria Data

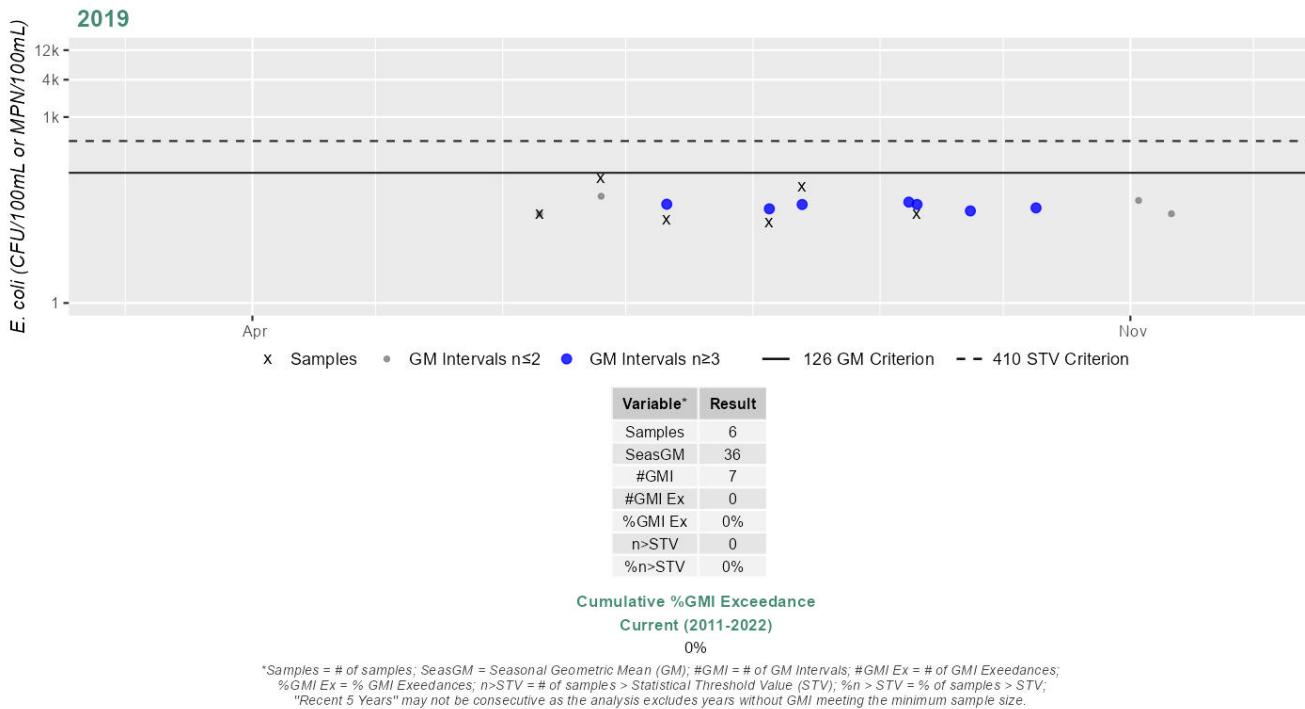
Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_CHB 200	Housatonic Valley Association	<i>E. coli</i>	06/10/19	09/10/19	6	19	101	36

### Station HVA\_CHB 200 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Churchill Brook (MA21-34) is assessed as Fully Supporting. HVA staff/volunteers collected *E. coli* bacteria samples in Churchill Brook (MA21-34) at HVA\_CHB 200 [Just downstream of the Hancock Rd culvert recently replaced] from Jun-Sep 2019 (n=6). Analysis of the single year limited frequency *E. coli* dataset from HVA\_CHB 200 indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV, and the overall GM was 36 CFU/100ml. *E. coli* data from HVA\_CHB 200 meet 2024 CALM guidance.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_CHB 200	Housatonic Valley Association	Water Quality	Churchill Brook	Just downstream of the Hancock Road culvert - recently replaced	42.490528	-73.279754

## Bacteria Data

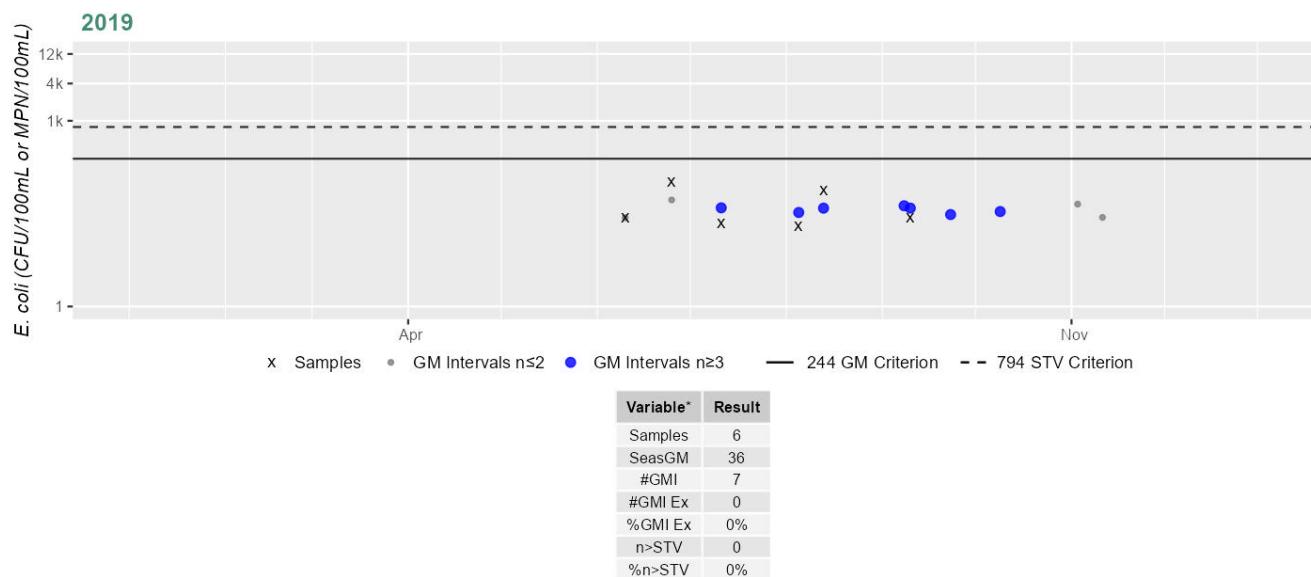
**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1)**

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_CHB 200	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	19	101	36

### Station HVA\_CHB 200 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

# Cleveland Brook (MA21-08)

<b>Location:</b>	Headwaters, outlet Cleveland Brook Reservoir, Hinsdale to mouth at confluence with East Branch Housatonic River, Dalton.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.9 MILES
<b>Classification/Qualifier:</b>	B: CWF

## Cleveland Brook (MA21-08)

Watershed Area: 2.97 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	2.97	2.97	1.66	1.66
Agriculture	0.6%	0.6%	0.1%	0.1%
Developed	8.5%	8.5%	9.2%	9.2%
Natural	81.9%	81.9%	76.5%	76.5%
Wetland	9%	9%	14.2%	14.2%
Impervious	2.3%	2.3%	2.4%	2.4%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Cleveland Brook (MA21-08) is Not Assessed.

## Aesthetic

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No data are available, so the Aesthetics Use for Cleveland Brook (MA21-08) is Not Assessed.	

## Primary Contact Recreation

2024/26 Use Attainment		Alert
Fully Supporting		NO

2024/26 Use Attainment Summary	
The Primary Contact Recreation Use for Cleveland Brook (MA21-08) is assessed as Fully Supporting. HVA staff/volunteers collected <i>E. coli</i> bacteria samples in Cleveland Brook (MA21-08) at HVA_WND400 [upstream of Old Windsor Rd Bridge, Dalton] from Jun-Sep 2020 (n=8). <i>E. coli</i> data from HVA_WND400 meet 2024 CALM guidance.	

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_WND400	Housatonic Valley Association	Water Quality	Windsor Brook	Upstream of Old Windsor Road Bridge, Dalton	42.476367	-73.129139

## Bacteria Data

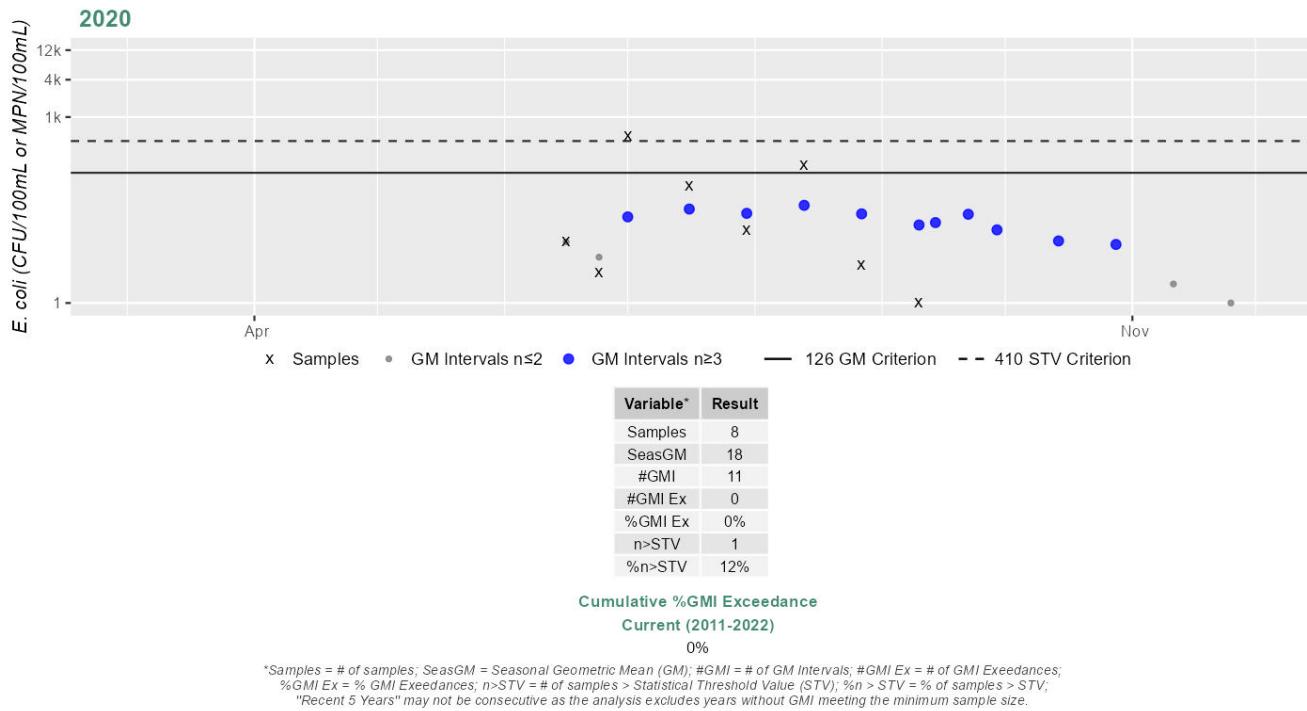
**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)**

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_WND400	Housatonic Valley Association	<i>E. coli</i>	06/15/20	09/09/20	8	1	488	18

### Station HVA\_WND400 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment		Alert
Fully Supporting		NO
2024/26 Use Attainment Summary		
The Secondary Contact Recreation Use for Cleveland Brook (MA21-08) is assessed as Fully Supporting. HVA staff/volunteers collected <i>E. coli</i> bacteria samples in Cleveland Brook (MA21-08) at HVA_WND400 [upstream of Old Windsor Rd Bridge, Dalton] from Jun-Sep 2020 (n=8). <i>E. coli</i> data from HVA_WND400 meet 2024 CALM guidance.		

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_WND400	Housatonic Valley Association	Water Quality	Windsor Brook	Upstream of Old Windsor Road Bridge, Dalton	42.476367	-73.129139

## Bacteria Data

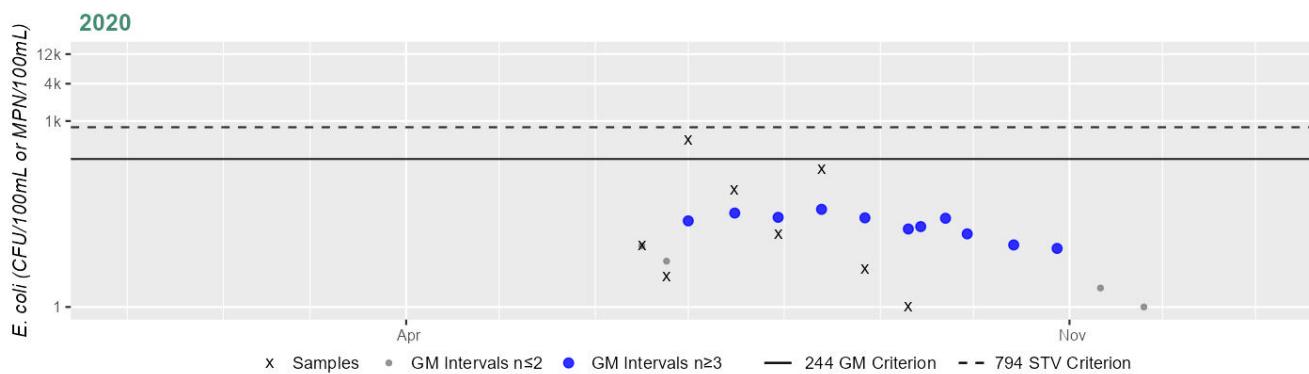
**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022)** (MassDEP Undated 1)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_WND400	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	1	488	18

### Station HVA\_WND400 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	8
SeasGM	18
#GMI	11
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

#### Cumulative %GMI Exceedance

Current (2011-2022)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Cleveland Brook Reservoir (MA21019)

<b>Location:</b>	Hinsdale.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	155 ACRES
<b>Classification/Qualifier:</b>	A: PWS, ORW

No usable data were available for Cleveland Brook Reservoir (MA21019) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

## Commons Brook (MA21-52)

<b>Location:</b>	Headwaters, south of Upper Reservoir, Lee to mouth at confluence with Codding Brook, Lee.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	0.9 MILES
<b>Classification/Qualifier:</b>	A: PWS, ORW, CWF (Tributary)

No usable data were available for Commons Brook (MA21-52) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Cone Brook (MA21-76)

<b>Location:</b>	Headwaters, confluence of Sleepy Hollow and Fairfield brooks, Richmond to mouth at inlet Shaker Mill Pond, West Stockbridge.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	4.6 MILES
<b>Classification/Qualifier:</b>	B

### Cone Brook (MA21-76)

Watershed Area: 9.57 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	9.57	4.87	2.97	1.24
Agriculture	14%	14.9%	8.3%	11.3%
Developed	7.9%	9.6%	6.9%	9%
Natural	68.6%	66.3%	67.3%	59.3%
Wetland	9.5%	9.2%	17.5%	20.4%
Impervious	2.7%	3.2%	2.2%	3%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
2	5	Escherichia Coli (E. Coli)	--		Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X

## Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Cone Brook (MA21-76) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Aesthetics Use for Cone Brook (MA21-76) is being assessed as Fully Supporting. MassDEP staff recorded aesthetics observations at one station, two-thirds of the way down this Cone Brook AU east of Swamp Road, ~475 feet downstream from the Swamp Road crossing nearest Steven Glen Road, Richmond (W2272), in summer 2012 (n=6). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded by MassDEP field sampling crews during the surveys.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2272	MassDEP	Water Quality	Cone Brook	[east of Swamp Road, approximately 475 feet downstream from the Swamp Road crossing nearest Steven Glen Road, Richmond]	42.357209	-73.354143

## Aesthetic Observations

### Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 4)

[Note: scums of natural origins (e.g. pollen blankets or natural foams) are excluded.]

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2272	2012	6	Aesthetic observations were made by MassDEP field sampling crews at Station W2272 on Cone Brook (MA21-76) during 6 site visits between May 2012 and Sep 2012. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

### Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 6) (MassDEP Undated 4)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2272	2012	6	6	0

**MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 6)**

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2272	Cone Brook	2012	Aquatic Plant Density, Overall	None	6	6
W2272	Cone Brook	2012	Color	None	6	6
W2272	Cone Brook	2012	Objectionable Deposits	No	6	6
W2272	Cone Brook	2012	Odor	None	6	6
W2272	Cone Brook	2012	Periphyton Density, Filamentous	None	6	6
W2272	Cone Brook	2012	Periphyton Density, Film	None	5	6
W2272	Cone Brook	2012	Periphyton Density, Film	Sparse	1	6
W2272	Cone Brook	2012	Scum	No	6	6
W2272	Cone Brook	2012	Turbidity	None	5	6
W2272	Cone Brook	2012	Turbidity	Slightly Turbid	1	6

**Primary Contact Recreation**

2024/26 Use Attainment	Alert
Not Supporting	NO

**2024/26 Use Attainment Summary**

The Primary Contact Recreation Use for Cone Brook (MA21-76) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_CNB400. HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in Cone Brook (MA21-76) from 2012-2022 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_CNB300 [downstream of the Swamp Rd Bridge, Richmond] from 2021-2022 (n=7-8/yr), W2272 [E of Swamp Rd, ~475 ft downstream from the Swamp Rd crossing nearest Steven Glen Rd, Richmond] from May-Sep 2012 (n=6), HVA\_CNB400 [upstream of the Cone Hill Rd Bridge] from 2021-2022 (n=7-8/yr). Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_CNB300 indicated 1 out of 2 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2022, 27%), 0 yrs had ≥2 samples exceed the 410 CFU/100ml STV, and cumulatively across years 15% of intervals had GMs >126 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from W2272 indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 27 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_CNB400 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2021 and 2022, 100 & 100%), 2 yrs had ≥2 samples exceed the 410 CFU/100ml STV (2021 and 2022, n=2 & 5), and cumulatively across years 100% of intervals had GMs >126 CFU/100ml. While *E. coli* data from HVA\_CNB300 and W2272 meet 2024 CALM guidance, *E. coli* data from HVA\_CNB400 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_CNB300	Housatonic Valley Association	Water Quality	Cone Brook	Downstream of the Swamp Road Bridge, Richmond	42.358540	-73.354009
HVA_CNB400	Housatonic Valley Association	Water Quality	Cone Brook	Upstream of the Cone Hill Road Bridge	42.348145	-73.365291
W2272	MassDEP	Water Quality	Cone Brook	[east of Swamp Road, approximately 475 feet downstream from the Swamp Road crossing nearest Steven Glen Road, Richmond]	42.357209	-73.354143

## Bacteria Data

**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2) (MassDEP Undated 6) (MassDEP Undated 4)**

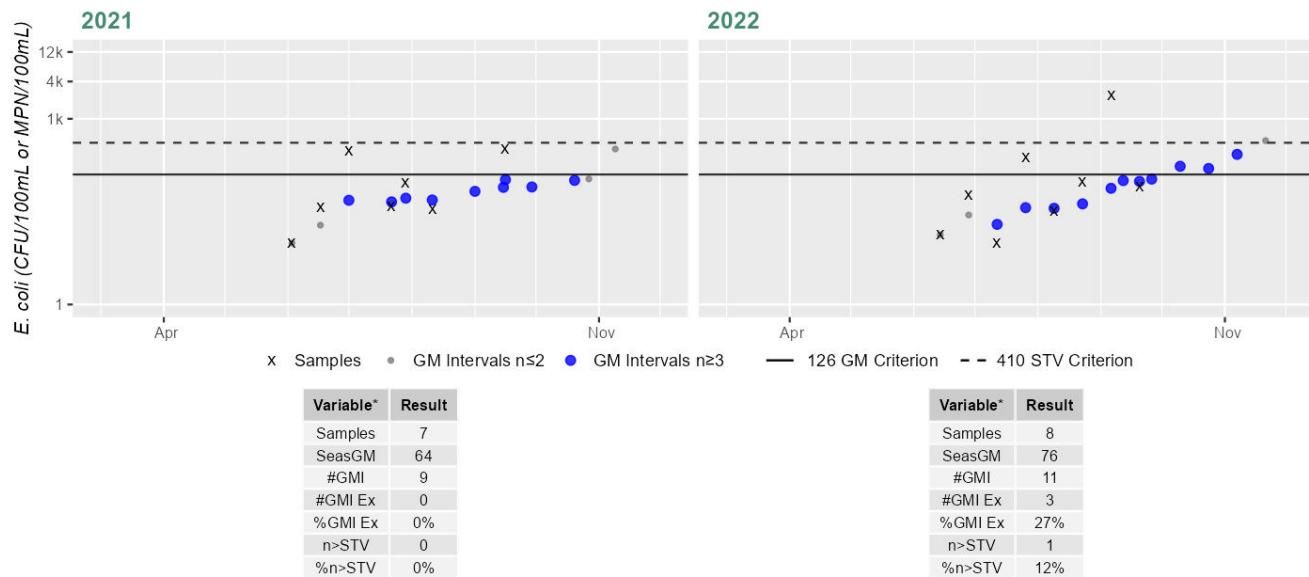
[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_CNB300	Housatonic Valley Association	<i>E. coli</i>	06/03/21	09/16/21	7	9	325	64
HVA_CNB300	Housatonic Valley Association	<i>E. coli</i>	06/14/22	09/20/22	8	9	2419	76

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_CNB400	Housatonic Valley Association	E. coli	06/03/21	09/16/21	7	69	488	231
HVA_CNB400	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	116	1986	594
W2272	MassDEP	E. coli	05/03/12	09/06/12	6	14	178	27

### Station HVA\_CNB300 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



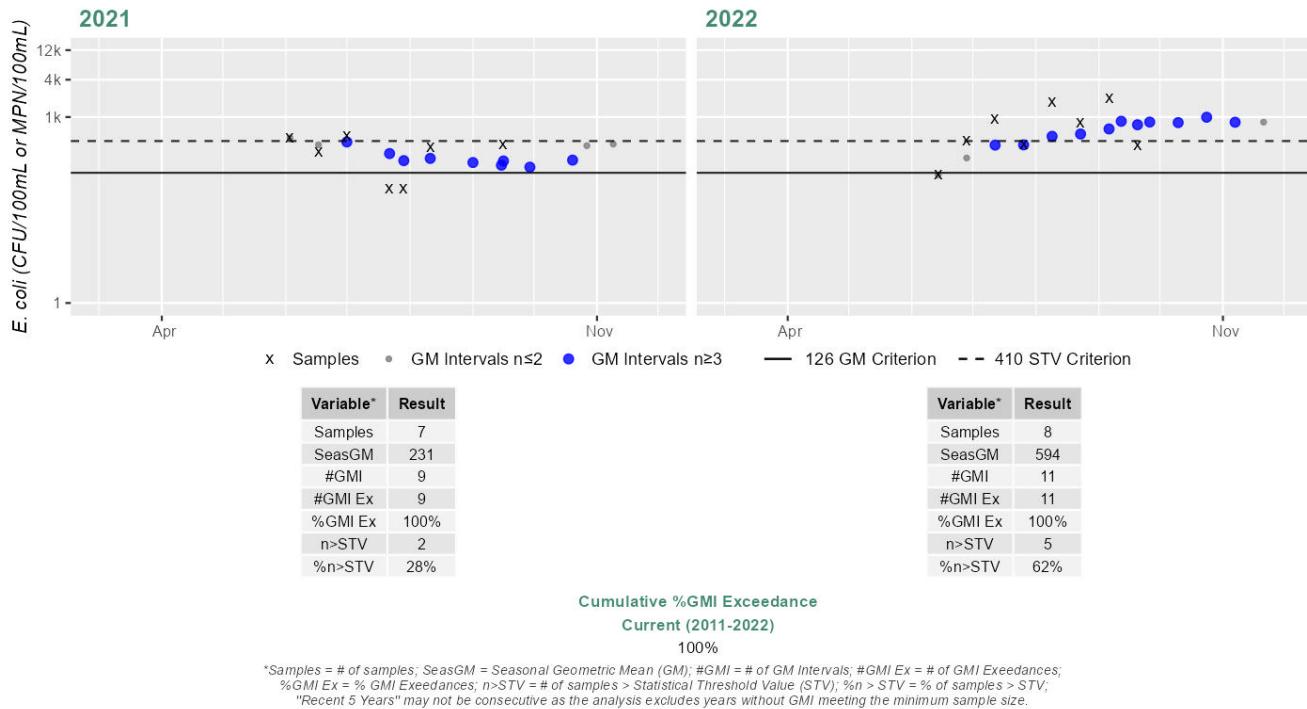
### Cumulative %GMI Exceedance Current (2011-2022)

15%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

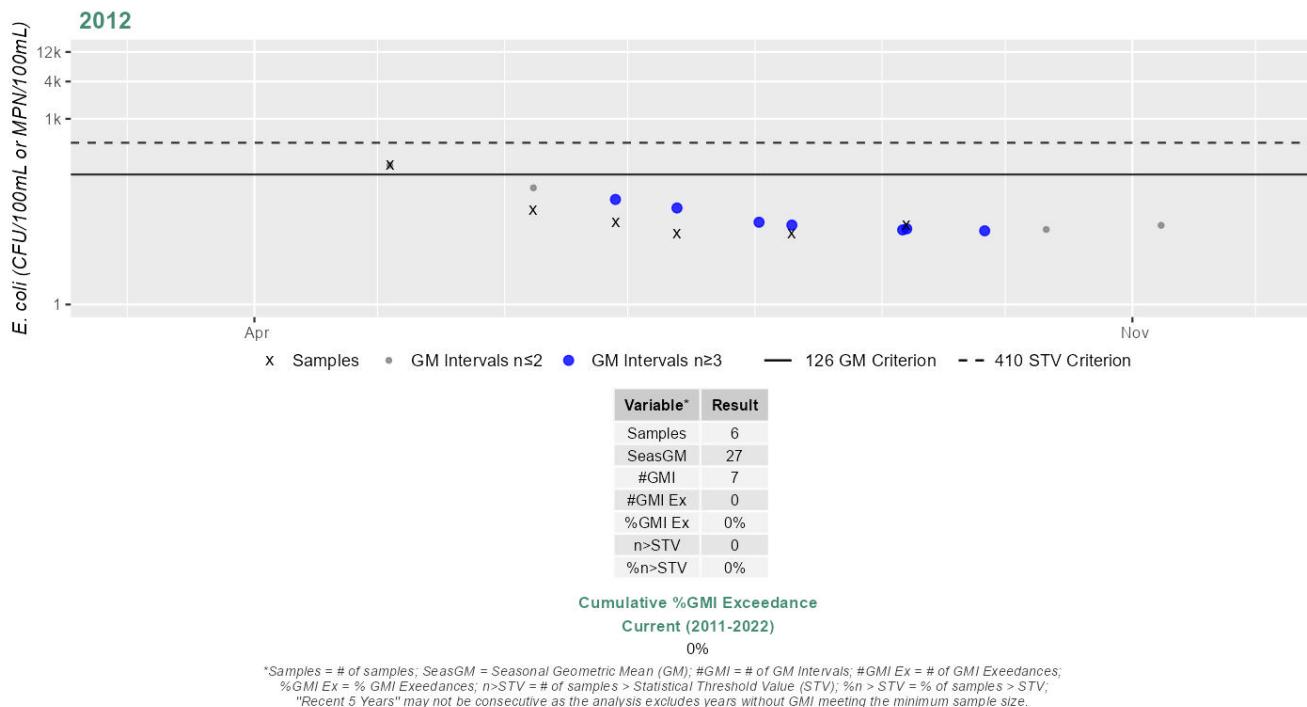
### Station HVA\_CNB400 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Station MASSDEP\_W2272 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Cone Brook (MA21-76) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_CNB400. HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in Cone Brook (MA21-76) from 2012-2022 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream:

HVA\_CNB300 [downstream of the Swamp Rd Bridge, Richmond] from 2021-2022 (n=7-8/yr), W2272 [E of Swamp Rd, ~475 ft downstream from the Swamp Rd crossing nearest Steven Glen Rd, Richmond] from May-Sep 2012 (n=6), HVA\_CNB400 [upstream of the Cone Hill Rd Bridge] from 2021-2022 (n=7-8/yr). Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_CNB300 indicated 0 out of 2 sufficient data yrs had intervals where >20% of the GMs were >244 CFU/100ml, 0 yrs had ≥2 samples exceed the 794 CFU/100ml STV, and cumulatively across years 5% of intervals had GMs >244 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from W2272 indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV, and the overall GM was 27 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_CNB400 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >244 CFU/100ml (2021 and 2022, 22 & 100%), 1 yr had ≥2 samples exceed the 794 CFU/100ml STV (2022, n=4), and cumulatively across years 65% of intervals had GMs >244 CFU/100ml. While *E. coli* data from HVA\_CNB300 and W2272 meet 2024 CALM guidance, *E. coli* data from HVA\_CNB400 are indicative of an *E. coli* impairment.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_CNB300	Housatonic Valley Association	Water Quality	Cone Brook	Downstream of the Swamp Road Bridge, Richmond	42.358540	-73.354009
HVA_CNB400	Housatonic Valley Association	Water Quality	Cone Brook	Upstream of the Cone Hill Road Bridge	42.348145	-73.365291
W2272	MassDEP	Water Quality	Cone Brook	[east of Swamp Road, approximately 475 feet downstream from the Swamp Road crossing nearest Steven Glen Road, Richmond]	42.357209	-73.354143

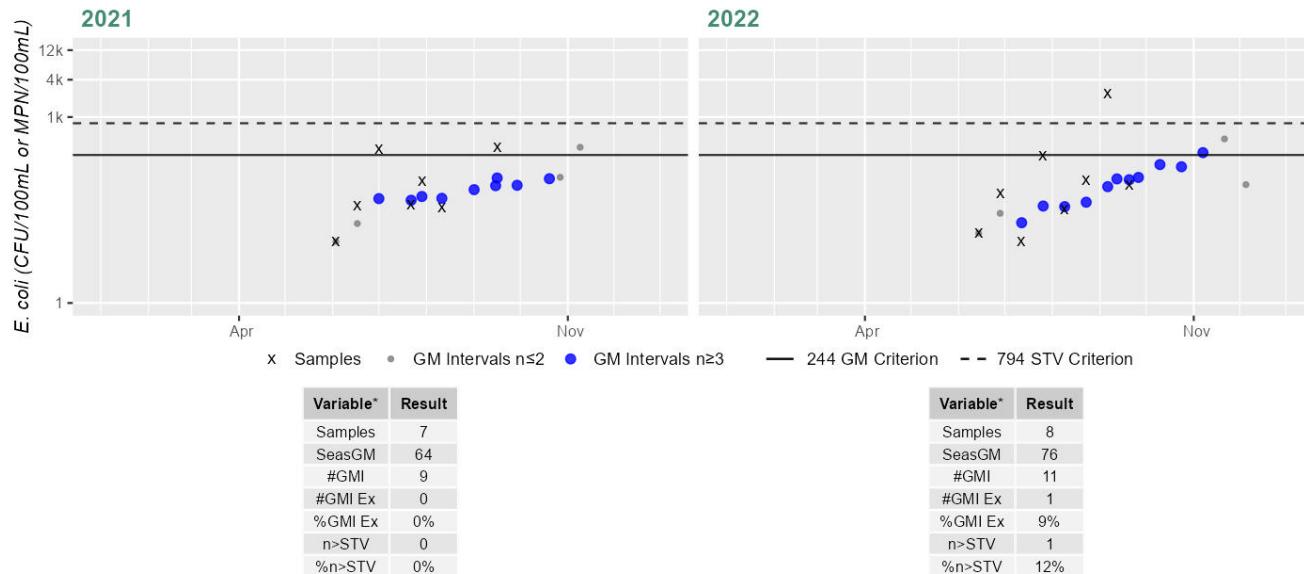
## Bacteria Data

**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)**  
 [Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_CNB300	Housatonic Valley Association	E. coli	06/03/21	09/16/21	7	9	325	64
HVA_CNB300	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	9	2419	76
HVA_CNB400	Housatonic Valley Association	E. coli	06/03/21	09/16/21	7	69	488	231
HVA_CNB400	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	116	1986	594
W2272	MassDEP	E. coli	05/03/12	09/06/12	6	14	178	27

### Station HVA\_CNB300 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



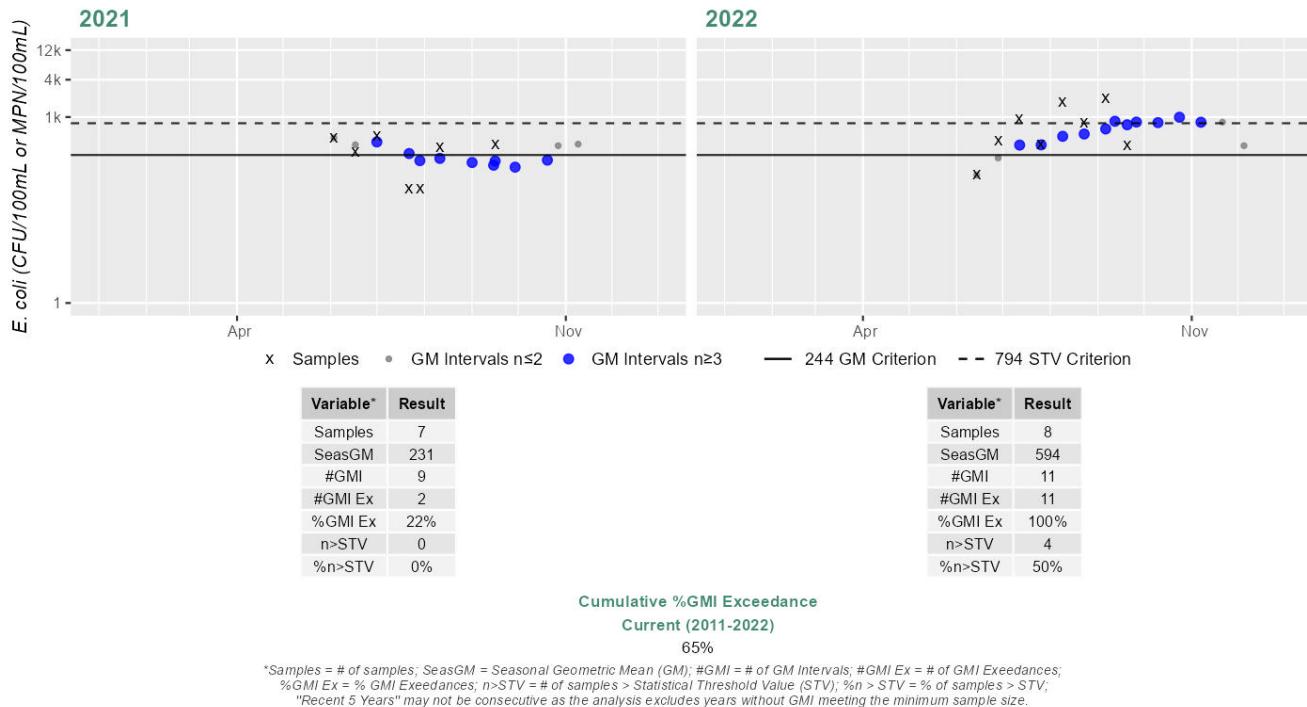
### Cumulative %GMI Exceedance Current (2011-2022)

5%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
 %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV;  
 "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

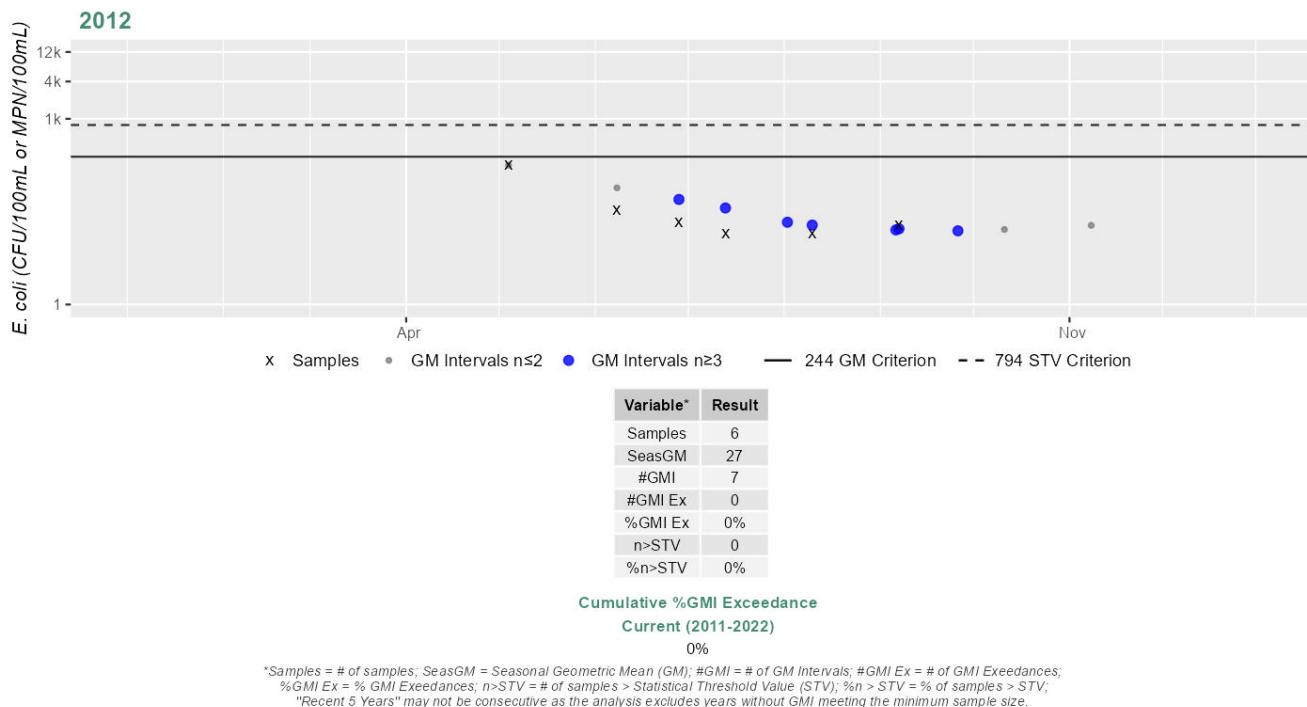
### Station HVA\_CNB400 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Station MASSDEP\_W2272 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Cookson Pond (MA21021)

<b>Location:</b>	New Marlborough.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	67 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Cookson Pond (MA21021) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

## Crane Lake (MA21025)

<b>Location:</b>	West Stockbridge.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	27 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Crane Lake (MA21025) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

## Crystal Brook (MA21-51)

<b>Location:</b>	Headwaters, east of Main Road, Tyringham to mouth at confluence with Hop Brook, Tyringham.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	0.6 MILES
<b>Classification/Qualifier:</b>	B: CWF

No usable data were available for Crystal Brook (MA21-51) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Daniels Brook (MA21-65)

<b>Location:</b>	Headwaters, perennial portion, west of Potter Mountain Road, Lanesborough to mouth at inlet Onota Lake, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3.1 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Daniels Brook (MA21-65) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Dry Brook (MA21-41)

<b>Location:</b>	Headwaters, perennial portion, west of Route 41 (South Undermountain Road), Sheffield to mouth at confluence with Schenob Brook, Sheffield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.7 MILES
<b>Classification/Qualifier:</b>	B: CWF

No usable data were available for Dry Brook (MA21-41) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

# East Branch Housatonic River (MA21-01)

<b>Location:</b>	Headwaters, outlet Muddy Pond, Washington to the outlet of Center Pond, Dalton (through former 2006 segment: Center Pond MA21016).
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	11.2 MILES
<b>Classification/Qualifier:</b>	B: CWF, HQW

## East Branch Housatonic River (MA21-01)

Watershed Area: 53.14 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	53.14	15.26	21.93	7.19
Agriculture	3.1%	4.1%	2.1%	3%
Developed	6.7%	10.7%	6.2%	9.1%
Natural	80%	80.3%	77.1%	80.6%
Wetland	10.2%	4.9%	14.6%	7.3%
Impervious	2.4%	3.4%	2.3%	3%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	5	Escherichia Coli (E. Coli)	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	X
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X

## Recommendations

<b>2024/26 Recommendations</b>	
2016 IR [Algae, Low] Additional monitoring should be performed on the East Branch Housatonic River (MA21-01) to confirm the presence of dense filamentous algae that was observed at Old Windsor Road by MassDEP in 2006. {W1572}	

## Designated Use Attainment Decisions

### Fish Consumption

<b>2024/26 Use Attainment</b>		<b>Alert</b>
Not Assessed		No

<b>2024/26 Use Attainment Summary</b>	
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for East Branch Housatonic River (MA21-01) is Not Assessed.	

### Aesthetic

<b>2024/26 Use Attainment</b>		<b>Alert</b>
Fully Supporting		YES

<b>2024/26 Use Attainment Summary</b>	
The Aesthetics Use for this East Branch Housatonic River AU (MA21-01) continues to be assessed as Fully Supporting. The Alert identified for dense Filamentous Algae observed twice directly at Old Windsor Road (W1572) in 2007, is being carried forward. MassDEP staff recorded aesthetics observations at one station towards the downstream end of this East Branch Housatonic AU, ~65 feet upstream of Old Windsor Road, Dalton (W2258) during summer 2012 (n=6). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded by MassDEP field sampling crews during the surveys.	

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2258	MassDEP	Water Quality	East Branch Housatonic River	[approximately 65 feet upstream of Old Windsor Road, Dalton]	42.473920	-73.141208

### Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 4)

[Note: scums of natural origins (e.g. pollen blankets or natural foams) are excluded.]

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2258	2012	6	Aesthetic observations were made by MassDEP field sampling crews at Station W2258 on East Branch Housatonic River (MA21-01) during 6 site visits between May 2012 and Sep 2012. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

**Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 6) (MassDEP Undated 4)**

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2258	2012	6	6	2

**MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 6)**

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2258	East Branch Housatonic River	2012	Aquatic Plant Density, Overall	None	5	6
W2258	East Branch Housatonic River	2012	Aquatic Plant Density, Overall	NR	1	6
W2258	East Branch Housatonic River	2012	Color	Light Yellow/Tan	2	6
W2258	East Branch Housatonic River	2012	Color	None	4	6
W2258	East Branch Housatonic River	2012	Objectionable Deposits	No	6	6
W2258	East Branch Housatonic River	2012	Odor	None	6	6
W2258	East Branch Housatonic River	2012	Periphyton Density, Filamentous	None	5	6
W2258	East Branch Housatonic River	2012	Periphyton Density, Filamentous	Sparse	1	6
W2258	East Branch Housatonic River	2012	Periphyton Density, Film	Dense	2	6
W2258	East Branch Housatonic River	2012	Periphyton Density, Film	None	3	6
W2258	East Branch Housatonic River	2012	Periphyton Density, Film	Sparse	1	6
W2258	East Branch Housatonic River	2012	Scum	No	6	6

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2258	East Branch Housatonic River	2012	Turbidity	None	5	6
W2258	East Branch Housatonic River	2012	Turbidity	Slightly Turbid	1	6

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO
<b>2024/26 Use Attainment Summary</b>	

The Primary Contact Recreation Use for the East Branch Housatonic River (MA21-01) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_EAB200, HVA\_EAB210, and HVA\_EAB220. The prior Algae alert is being removed and will be maintained under the Aesthetics Use.

HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in the East Branch Housatonic River (MA21-01) from 2012-2022 at 5 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_EAB 100 [downstream of the Old Dalton Rd Bridge. Access from the Old Mill Trail] from Jun-Sep 2019 (n=6), HVA\_EAB200 [Old Windsor Rd bridge] from 2019-2021 (n=6-8/yr), W2258 [~65 ft upstream of Old Windsor Rd, Dalton] from May-Sep 2012 (n=6), HVA\_EAB210 [Just before the confluence with Center Pond, end of Riverview Drive, access the river by the stormwater swale] from 2021-2022 (n=7-8/yr), HVA\_EAB220 [Center Pond Outlet (Rte 8 Bridge)] from 2020-2021 (n=8/yr).

Analysis of the single year limited frequency *E. coli* dataset from HVA\_EAB 100 indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 64 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_EAB200 indicated 2 out of 3 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2020 and 2021, 90 & 100%), 2 yrs had  $\geq 2$  samples exceed the 410 CFU/100ml STV (2020 and 2021, n=3 & 2), and cumulatively across years 75% of intervals had GMs >126 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from W2258 indicated 71% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 145 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_EAB210 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2021 and 2022, 100 & 100%), 2 yrs had  $\geq 2$  samples exceed the 410 CFU/100ml STV (2021 and 2022, n=2 & 6), and cumulatively across years 100% of intervals had GMs >126 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_EAB220 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2020 and 2021, 100 & 100%), 2 yrs had  $\geq 2$  samples exceed the 410 CFU/100ml STV (2020 and 2021, n=6 & 2), and cumulatively across years 100% of intervals had GMs >126 CFU/100ml. While *E. coli* data from HVA\_EAB 100 and W2258 meet 2024 CALM guidance, *E. coli* data from HVA\_EAB200, HVA\_EAB210, and HVA\_EAB220 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_EAB 100	Housatonic Valley Association	Water Quality	East Branch of Housatonic River	Downstream of the Old Dalton Road Bridge. Access from the Old Mill Trail	42.448330	-73.131010
HVA_EAB200	Housatonic Valley Association	Water Quality	East Branch of Housatonic River	Old Windsor Road bridge	42.473696	-73.141210

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_EAB210	Housatonic Valley Association	Water Quality	East Branch of the Housatonic River	Just before the confluence with Center Pond, end of Riverview Drive - access the river by the stormwater swale	42.476391	-73.154868
HVA_EAB220	Housatonic Valley Association	Water Quality	East Branch Housatonic River	Center Pond Outlet (Rte 8 Bridge)	42.474297	-73.156659
W2258	MassDEP	Water Quality	East Branch Housatonic River	[approximately 65 feet upstream of Old Windsor Road, Dalton]	42.473920	-73.141208

### Bacteria Data

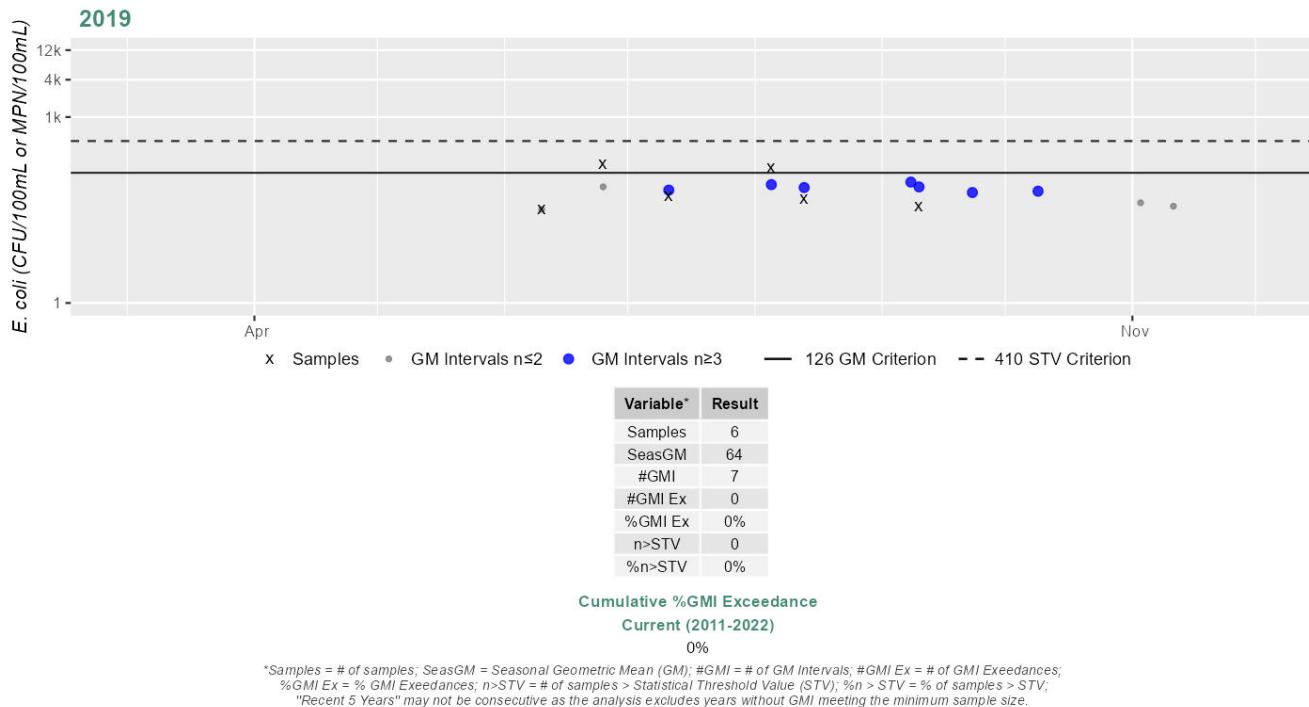
**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022)** (MassDEP Undated 2) (MassDEP Undated 6) (MassDEP Undated 4)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_EAB 100	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	32	172	64
HVA_EAB200	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	35	365	79
HVA_EAB200	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	49	613	154
HVA_EAB200	Housatonic Valley Association	E. coli	06/03/21	09/23/21	8	48	2419	190
HVA_EAB210	Housatonic Valley Association	E. coli	06/03/21	09/23/21	7	95	1986	300
HVA_EAB210	Housatonic Valley Association	E. coli	06/16/22	09/22/22	8	307	2419	604
HVA_EAB220	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	272	1986	532
HVA_EAB220	Housatonic Valley Association	E. coli	06/03/21	09/23/21	8	98	2419	290
W2258	MassDEP	E. coli	05/02/12	09/06/12	6	25	291	145

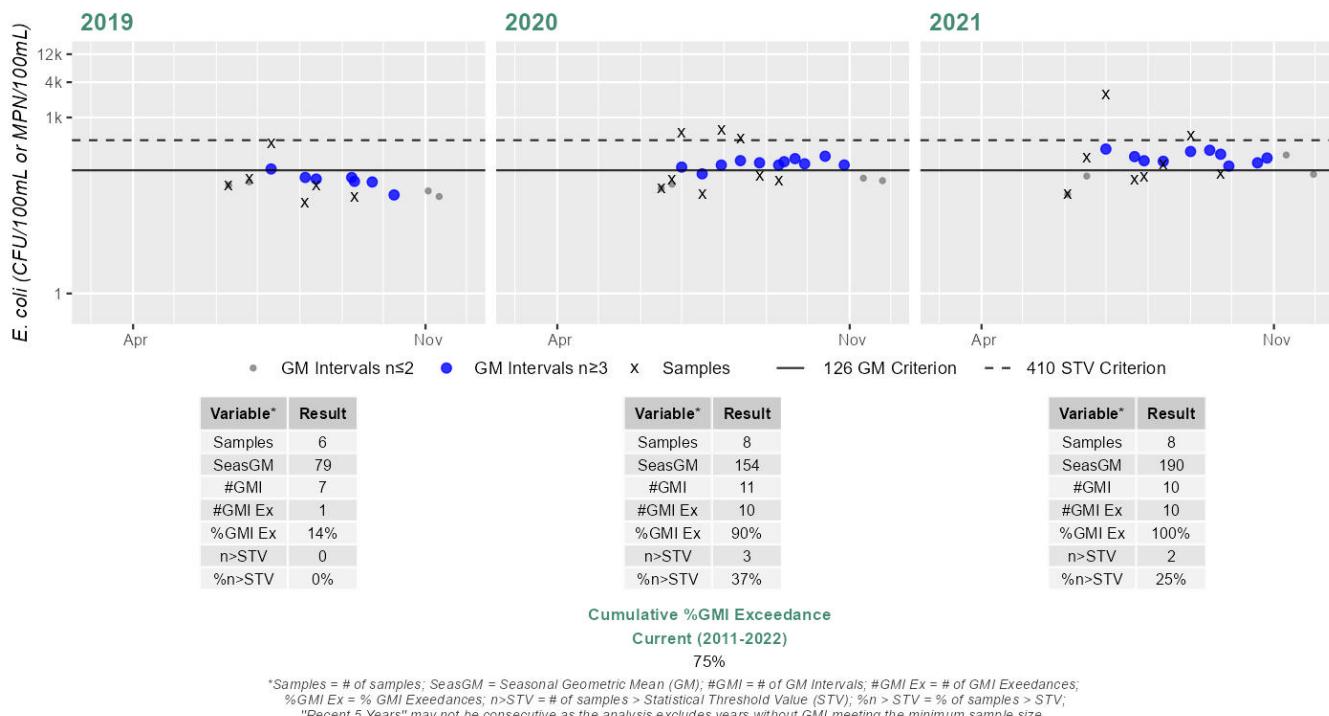
### Station HVA\_EAB 100 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



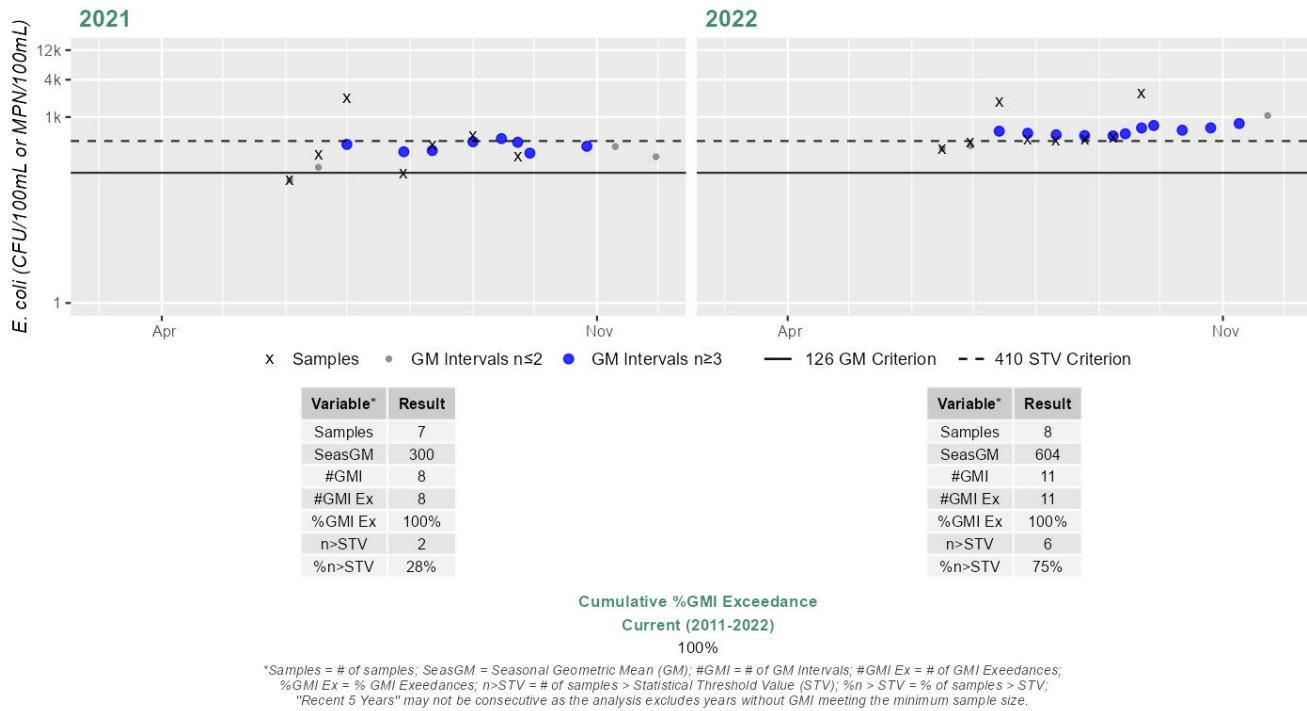
### Station HVA\_EAB200 & MASSDEP\_W1572 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



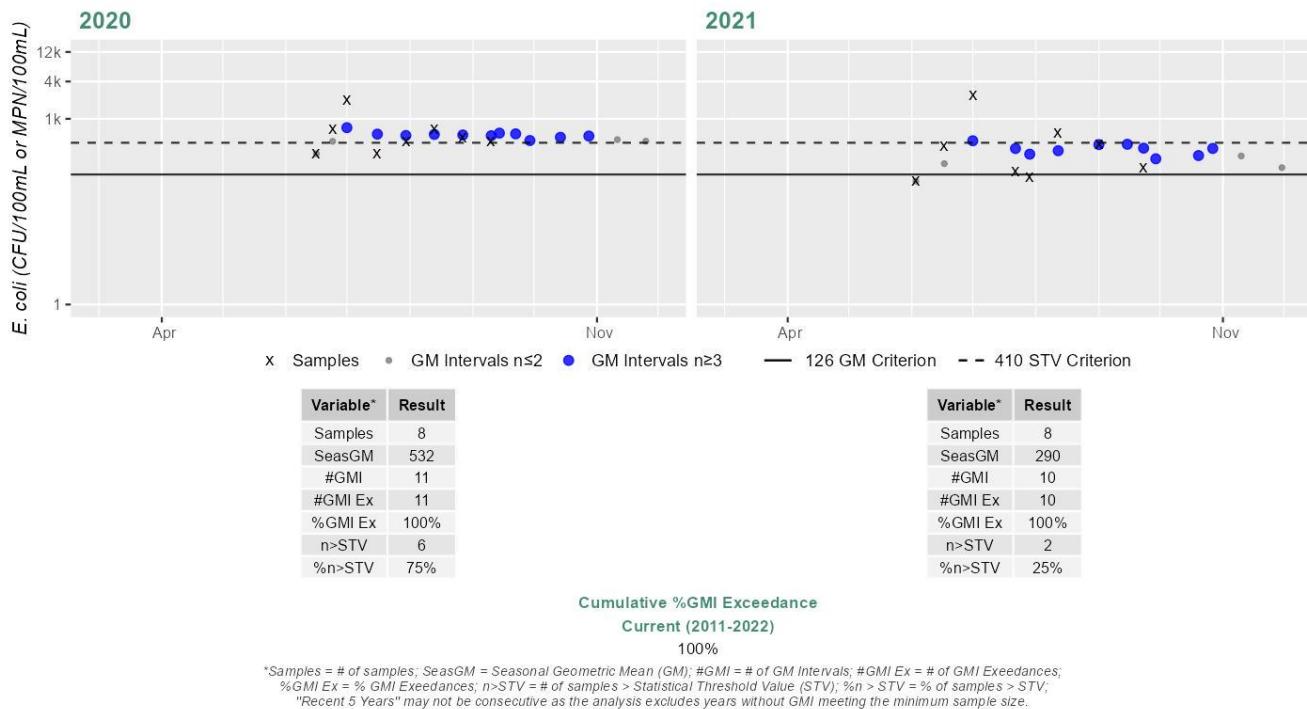
### Station HVA\_EAB210 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



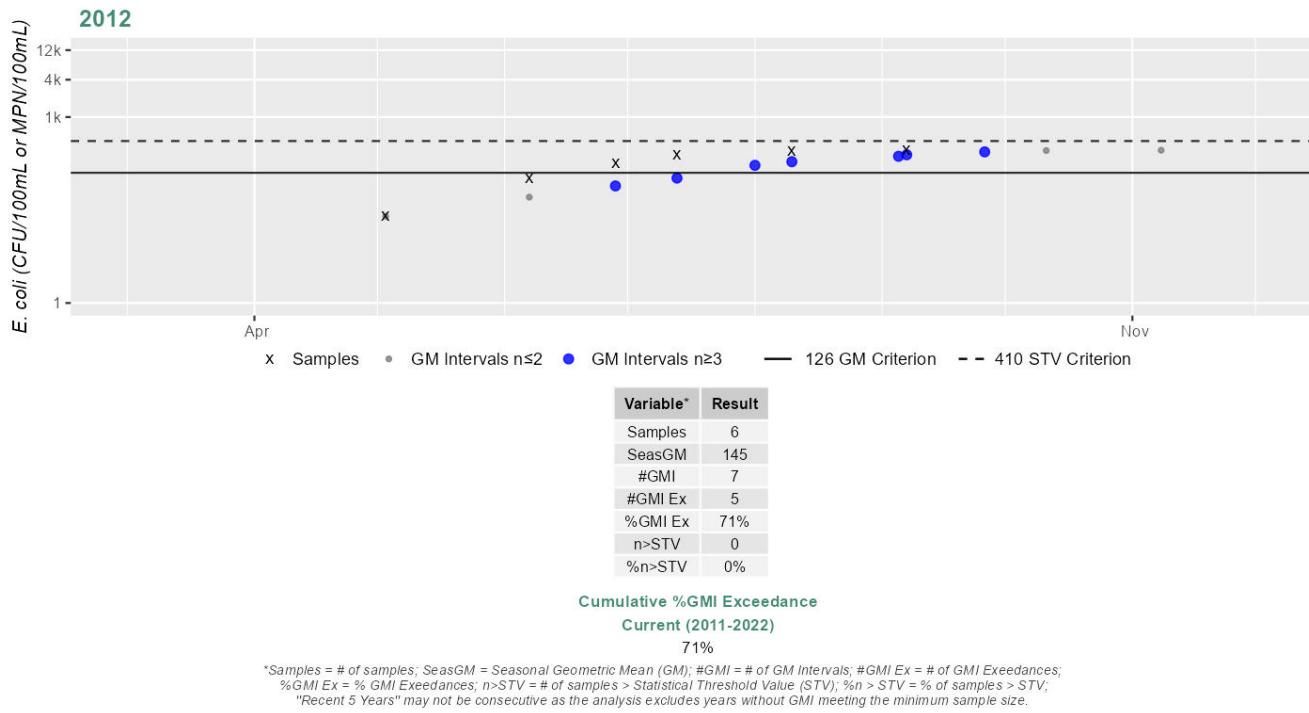
### Station HVA\_EAB220 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Station MASSDEP\_W2258 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO
<b>2024/26 Use Attainment Summary</b>	

The Secondary Contact Recreation Use for the East Branch Housatonic River (MA21-01) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_EAB210 and HVA\_EAB220.

HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in the East Branch Housatonic River (MA21-01) from 2007-2022 at 5 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_EAB 100 [downstream of the Old Dalton Rd Bridge. Access from the Old Mill Trail] from Jun-Sep 2019 (n=6), HVA\_EAB200 & W1572 [Old Windsor Rd, Dalton & Old Windsor Rd bridge] from May-Sep 2007 (historic n=5) and 2019-2021 (current n=6-8/yr), W2258 [~65 ft upstream of Old Windsor Rd, Dalton] from May-Sep 2012 (n=6), HVA\_EAB210 [Just before the confluence with Center Pond, end of Riverview Drive access the river by the stormwater swale] from 2021-2022 (n=7-8/yr), HVA\_EAB220 [Center Pond Outlet (Rte 8 Bridge)] from 2020-2021 (n=8/yr).

Analysis of the single year limited frequency *E. coli* dataset from HVA\_EAB 100 indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV, and the overall GM was 64 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_EAB200 & W1572 indicated 1 out of 3 sufficient data yrs had intervals where >20% of the GMs were >244 CFU/100ml (2021, 30%), 0 yrs had  $\geq 2$  samples exceed the 794 CFU/100ml STV, and cumulatively across years 10% of intervals had GMs >244 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from W2258 indicated 28% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV, and the overall GM was 145 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_EAB210 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >244 CFU/100ml (2021 and 2022, 100 & 100%), 1 yr had  $\geq 2$  samples exceed the 794 CFU/100ml STV (2022, n=2), and cumulatively across years 100% of intervals had GMs >244 CFU/100ml.

Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_EAB220 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >244 CFU/100ml (2020 and 2021, 100 & 90%), 0 yrs had  $\geq 2$  samples exceed the 794 CFU/100ml STV, and cumulatively across years 95% of intervals had GMs >244 CFU/100ml. While *E. coli* data from HVA\_EAB 100, HVA\_EAB200 & W1572, and W2258 meet 2024 CALM guidance, *E. coli* data from HVA\_EAB210 and HVA\_EAB220 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_EAB 100	Housatonic Valley Association	Water Quality	East Branch of Housatonic River	Downstream of the Old Dalton Road Bridge. Access from the Old Mill Trail	42.448330	-73.131010
HVA_EAB200	Housatonic Valley Association	Water Quality	East Branch of Housatonic River	Old Windsor Road bridge	42.473696	-73.141210

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_EAB210	Housatonic Valley Association	Water Quality	East Branch of the Housatonic River	Just before the confluence with Center Pond, end of Riverview Drive - access the river by the stormwater swale	42.476391	-73.154868
HVA_EAB220	Housatonic Valley Association	Water Quality	East Branch Housatonic River	Center Pond Outlet (Rte 8 Bridge)	42.474297	-73.156659
W1572	MassDEP	Water Quality	East Branch Housatonic River	[Old Windsor Road, Dalton]	42.473696	-73.141210
W2258	MassDEP	Water Quality	East Branch Housatonic River	[approximately 65 feet upstream of Old Windsor Road, Dalton]	42.473920	-73.141208

## Bacteria Data

**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022)**

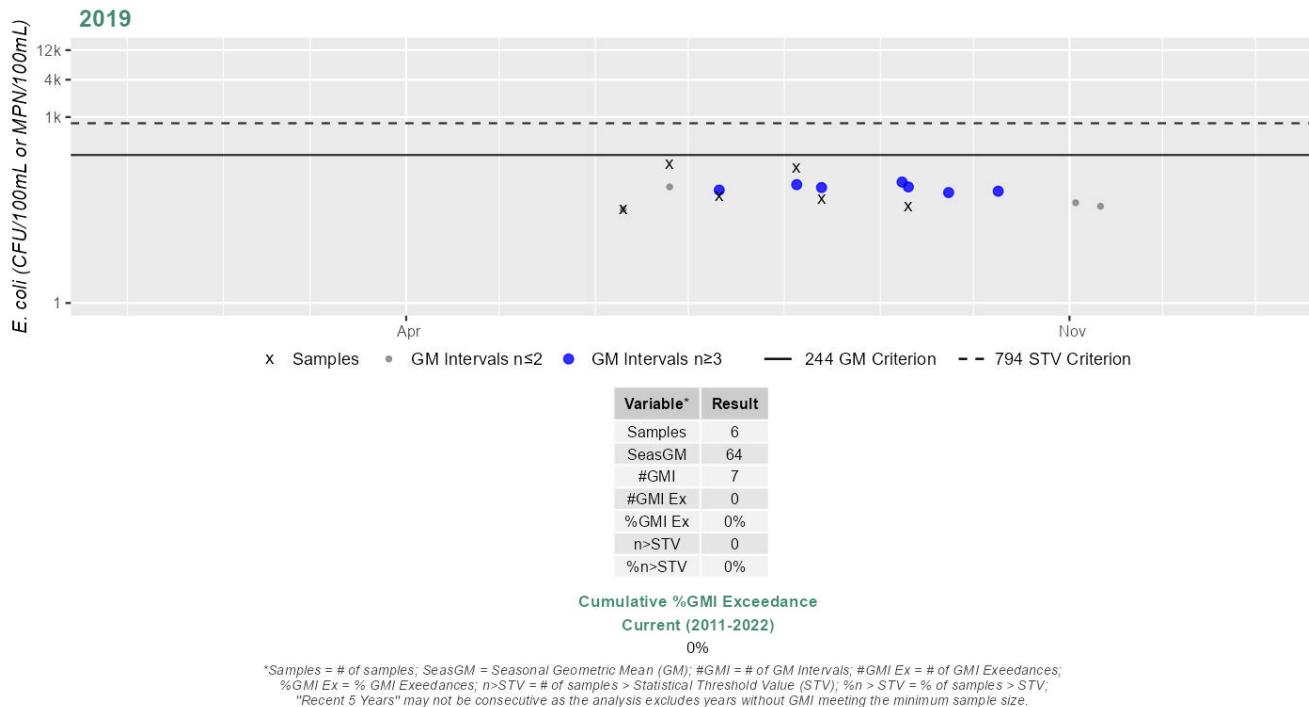
(MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_EAB 100	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	32	172	64
HVA_EAB200	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	35	365	79
HVA_EAB200	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	49	613	154
HVA_EAB200	Housatonic Valley Association	E. coli	06/03/21	09/23/21	8	48	2419	190
HVA_EAB210	Housatonic Valley Association	E. coli	06/03/21	09/23/21	7	95	1986	300
HVA_EAB210	Housatonic Valley Association	E. coli	06/16/22	09/22/22	8	307	2419	604
HVA_EAB220	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	272	1986	532
HVA_EAB220	Housatonic Valley Association	E. coli	06/03/21	09/23/21	8	98	2419	290
W1572	MassDEP	E. coli	05/08/07	09/25/07	5	20	208	56
W2258	MassDEP	E. coli	05/02/12	09/06/12	6	25	291	145

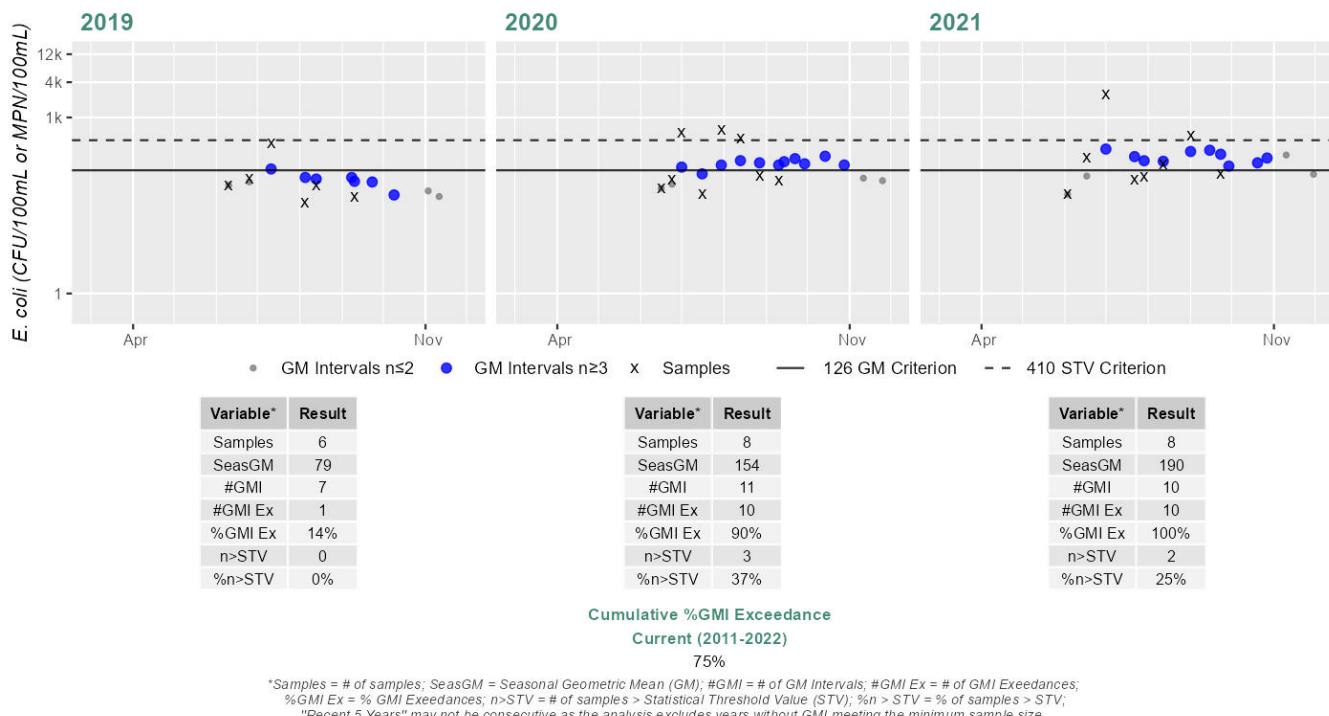
### Station HVA\_EAB 100 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



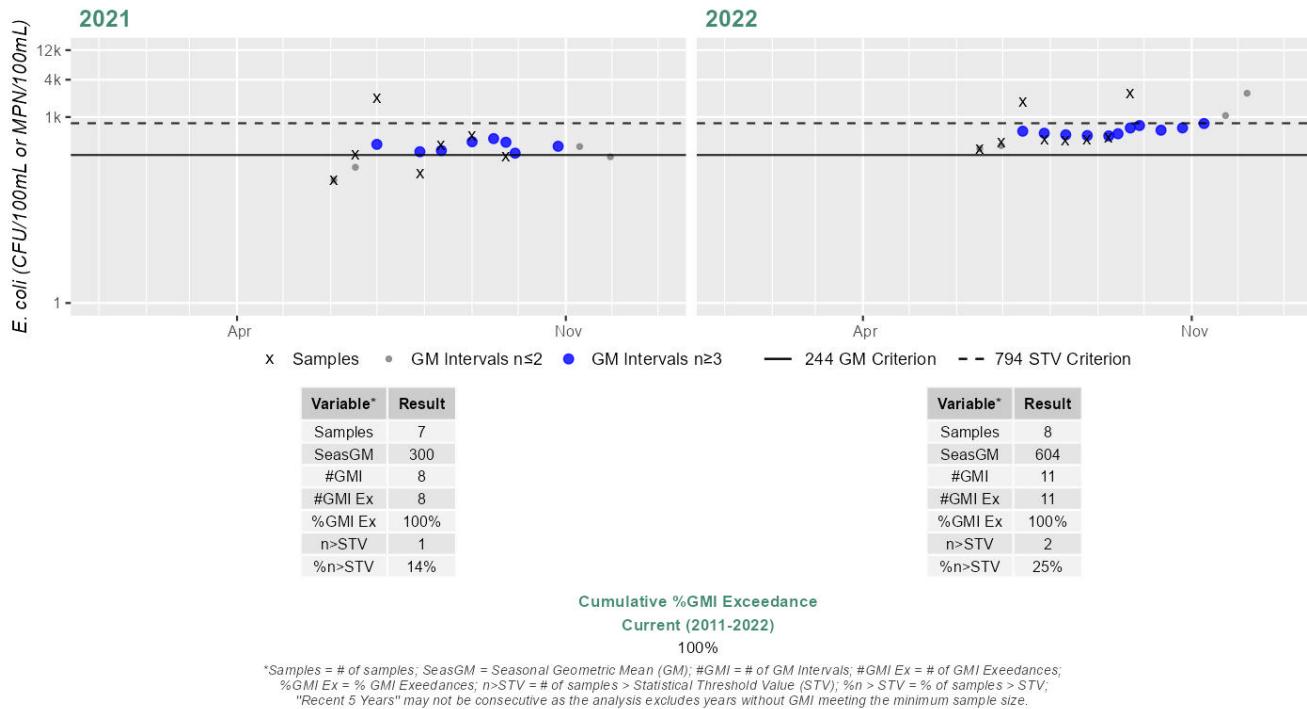
### Station HVA\_EAB200 & MASSDEP\_W1572 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



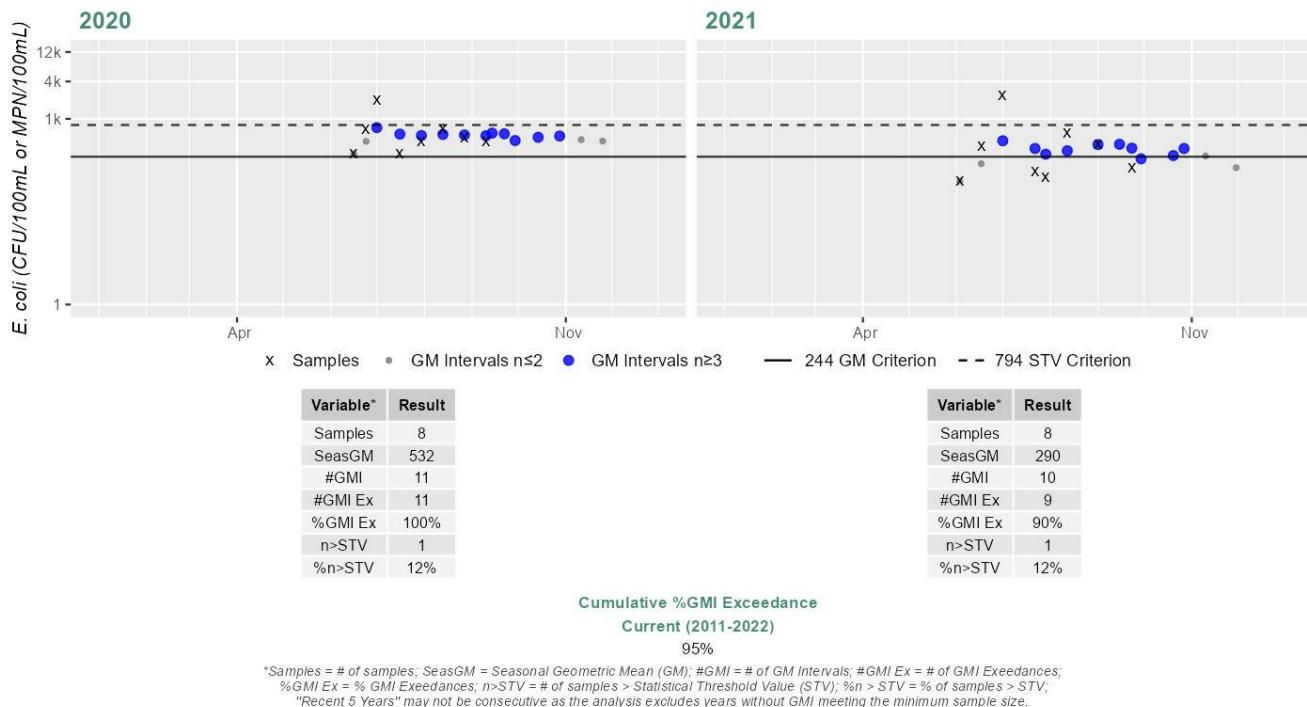
### Station HVA\_EAB210 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



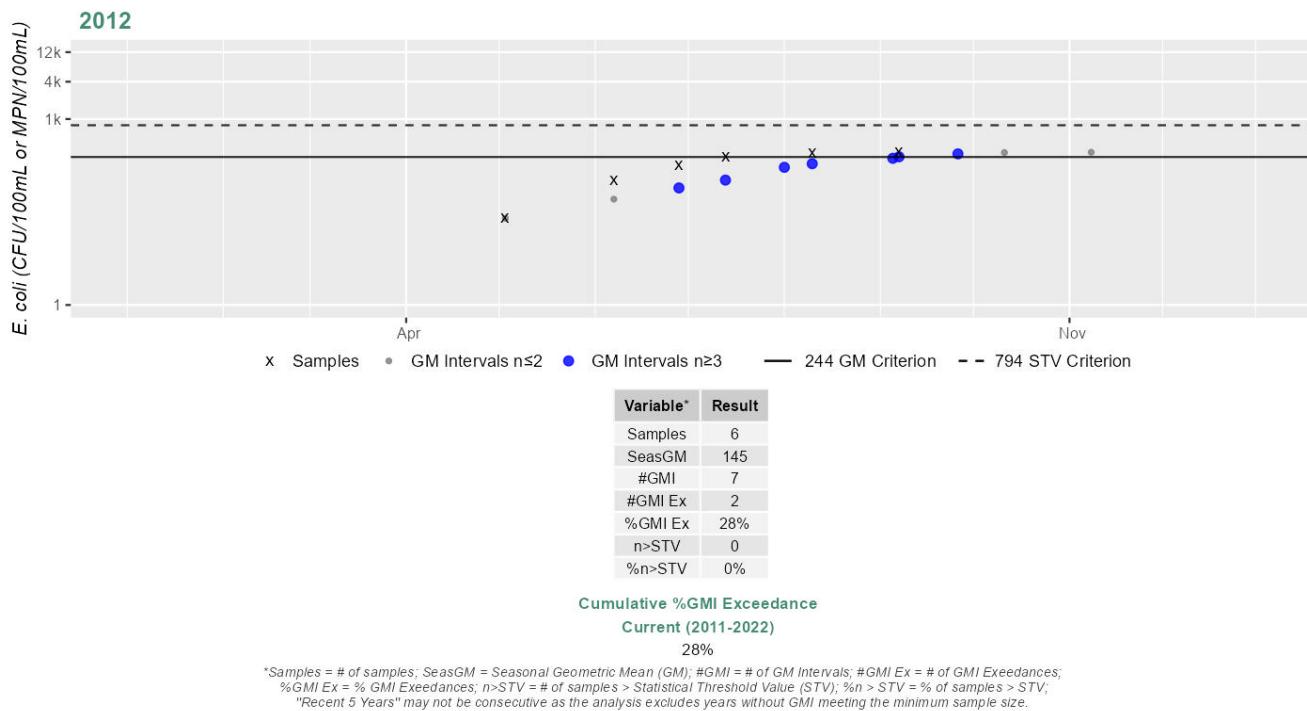
### Station HVA\_EAB220 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



**Station MASSDEP\_W2258 - *Escherichia coli***

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

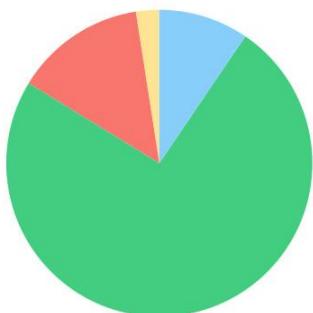


# East Branch Housatonic River (MA21-02)

<b>Location:</b>	Outlet of Center Pond, Dalton to mouth at confluence with the Housatonic River, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	8 MILES
<b>Classification/Qualifier:</b>	B: WWF

## East Branch Housatonic River (MA21-02)

Watershed Area: 70.86 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	70.86	7.08	26.09	1.57
Agriculture	2.5%	0.5%	1.9%	0%
Developed	13.8%	53.1%	9.4%	33.7%
Natural	74.2%	35%	73.8%	41.4%
Wetland	9.5%	11.4%	14.9%	24.9%
Impervious	5.9%	25.2%	3.9%	14.8%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04		Changed
5	5	Fecal Coliform	R1_MA_2024_04		Changed
5	5	PCBs in Fish Tissue	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	X
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Fecal Coliform	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	--
Fecal Coliform	Source Unknown (N)	--	--	--	X	--
PCBs in Fish Tissue	Illegal Dumps or Other Inappropriate Waste Disposal (Y)	--	X	--	--	--

## Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Escherichia Coli (E. Coli)	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Massachusetts Statewide TMDL for Pathogen-Impaired Waterbodies (Report CN 515.1, approved 2/13/2024, ATTAINS Action ID: R1_MA_2024_04)
Fecal Coliform	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Massachusetts Statewide TMDL for Pathogen-Impaired Waterbodies (Report CN 515.1, approved 2/13/2024, ATTAINS Action ID: R1_MA_2024_04)

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No
<b>2024/26 Use Attainment Summary</b>	

The Fish Consumption Use for East Branch Housatonic River (MA21-02) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue impairment is being carried forward. DPH included a site-specific advisory for East Branch Housatonic River (referred to by MDPH as "Housatonic River") in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for East Branch Housatonic River (MA21-02), so it is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the East Branch Housatonic River (MA21-02) continues to be assessed as Not Supporting. The prior *Escherichia coli* (*E. coli*) impairment is being carried forward based on bacteria data not meeting the threshold at HVA\_EAB280 and HVA\_EAB500. The prior Fecal Coliform impairment is being carried forward.

HVA staff/volunteers collected *E. coli* bacteria samples in the East Branch Housatonic River (MA21-02) from 2019-2022 at 4 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_OF\_DO330-OT [460 W Housatonic St, Dalton] from Jul-Aug 2022 (n=2), HVA\_EAB280 [upstream of W Housatonic St] from 2020-2021 (n=7-8/yr), HVA\_EAB300 [upstream of Hubbard Avenue Bridge, Pittsfield] from 2019-2020 (n=6-8/yr), HVA\_EAB500 [upstream of the Elm St Bridge, Pittsfield] from Jun-Sep 2021 (n=7). Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_EAB280 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2020 and 2021, 72 & 100%), 1 yr had ≥2 samples exceed the 410 CFU/100ml STV (2021, n=2), and cumulatively across years 84% of intervals had GMs >126 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_EAB300 indicated 1 out of 2 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2020, 100%), 1 yr had ≥2 samples exceed the 410 CFU/100ml STV (2020, n=2), and cumulatively across years 61% of intervals had GMs >126 CFU/100ml. Analysis of the single year moderate frequency *E. coli* dataset from HVA\_EAB500 indicated 100% of intervals had GMs >126 CFU/100ml and 2 samples exceeded the 410 CFU/100ml STV. *E. coli* data from HVA\_OF\_DO330-OT are too limited according to the 2024 CALM to assess the Primary Contact Recreation Use. While *E. coli* data from HVA\_EAB300 meet 2024 CALM guidance, *E. coli* data from HVA\_EAB280 and HVA\_EAB500 are indicative of an *E. coli* impairment.

## ***Monitoring Stations***

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_EAB280	Housatonic Valley Association	Water Quality	East Branch Housatonic River	Upstream of West Housatonic Street	42.471374	-73.168666
HVA_EAB300	Housatonic Valley Association	Water Quality	East Branch of Housatonic River	Upstream of Hubbard Avenue Bridge, Pittsfield	42.469428	-73.196148
HVA_EAB500	Housatonic Valley Association	Water Quality	East Branch of the Housatonic River	Upstream of the Elm Street Bridge, Pittsfield	42.445118	-73.244053
HVA_OF_DO330-OT	Housatonic Valley Association	Water Quality	East Branch of the Housatonic River	460 West Housatonic Street, Dalton	42.469685	-73.160783

## Bacteria Data

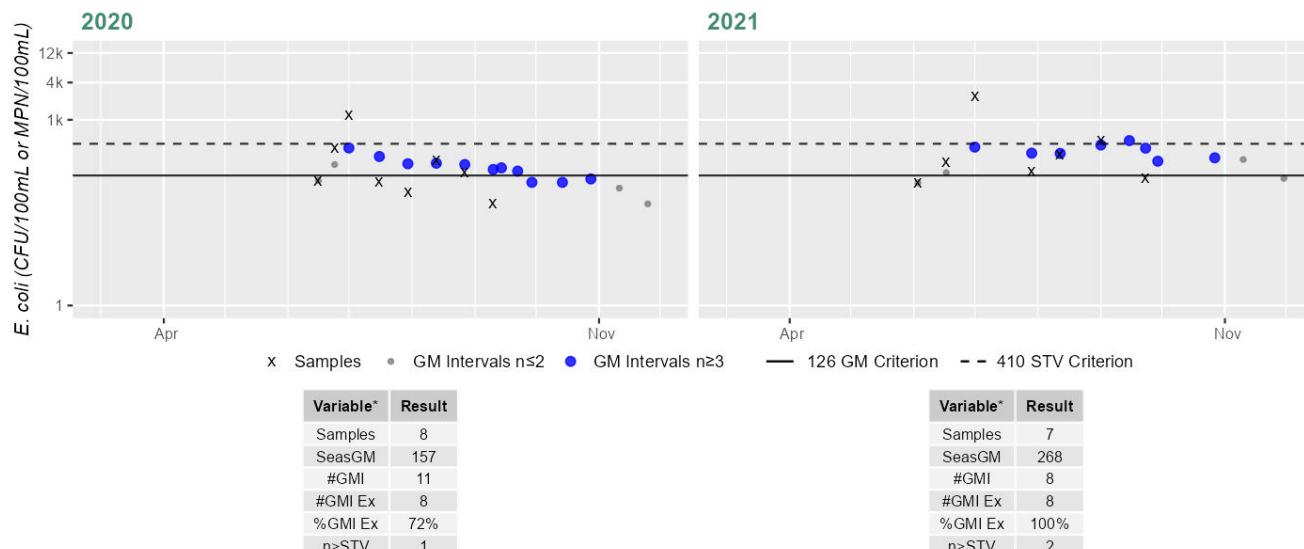
### Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_EAB280	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	43	1203	157
HVA_EAB280	Housatonic Valley Association	E. coli	06/03/21	09/23/21	7	95	2419	268
HVA_EAB300	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	74	191	123
HVA_EAB300	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	75	4106	192
HVA_EAB500	Housatonic Valley Association	E. coli	06/03/21	09/23/21	7	122	2419	386
HVA_OF_DO330-OT	Housatonic Valley Association	E. coli	07/28/22	08/11/22	2	7	23	13

#### Station HVA\_EAB280 - Escherichia coli

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



#### Cumulative %GMI Exceedance

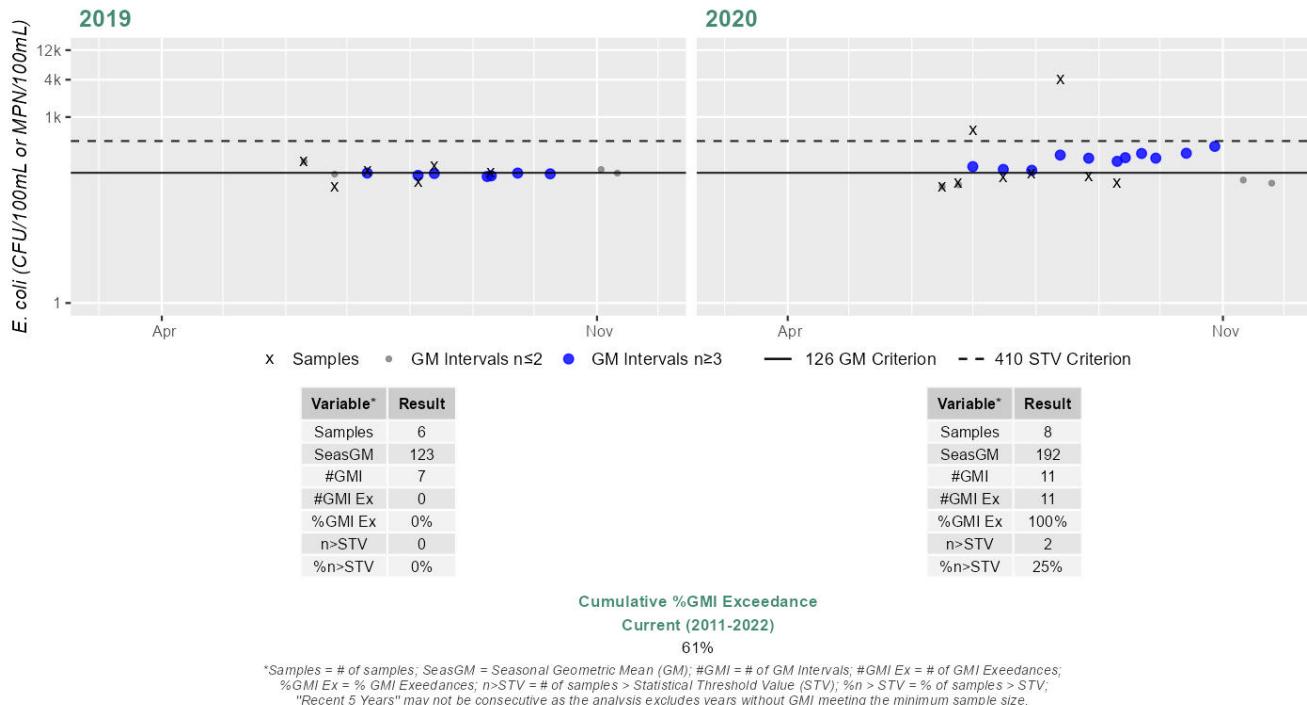
Current (2011-2022)

84%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances;  $n > STV$  = # of samples > Statistical Threshold Value (STV); % $n > STV$  = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

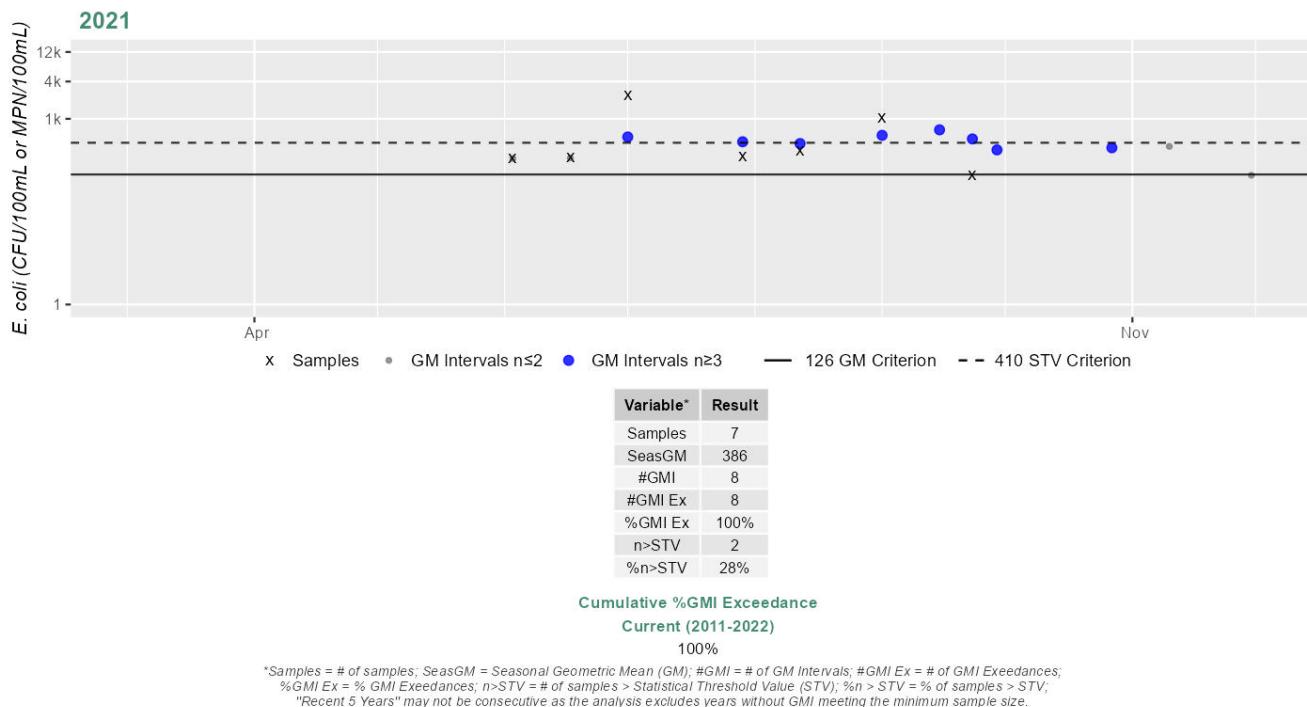
### Station HVA\_EAB300 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



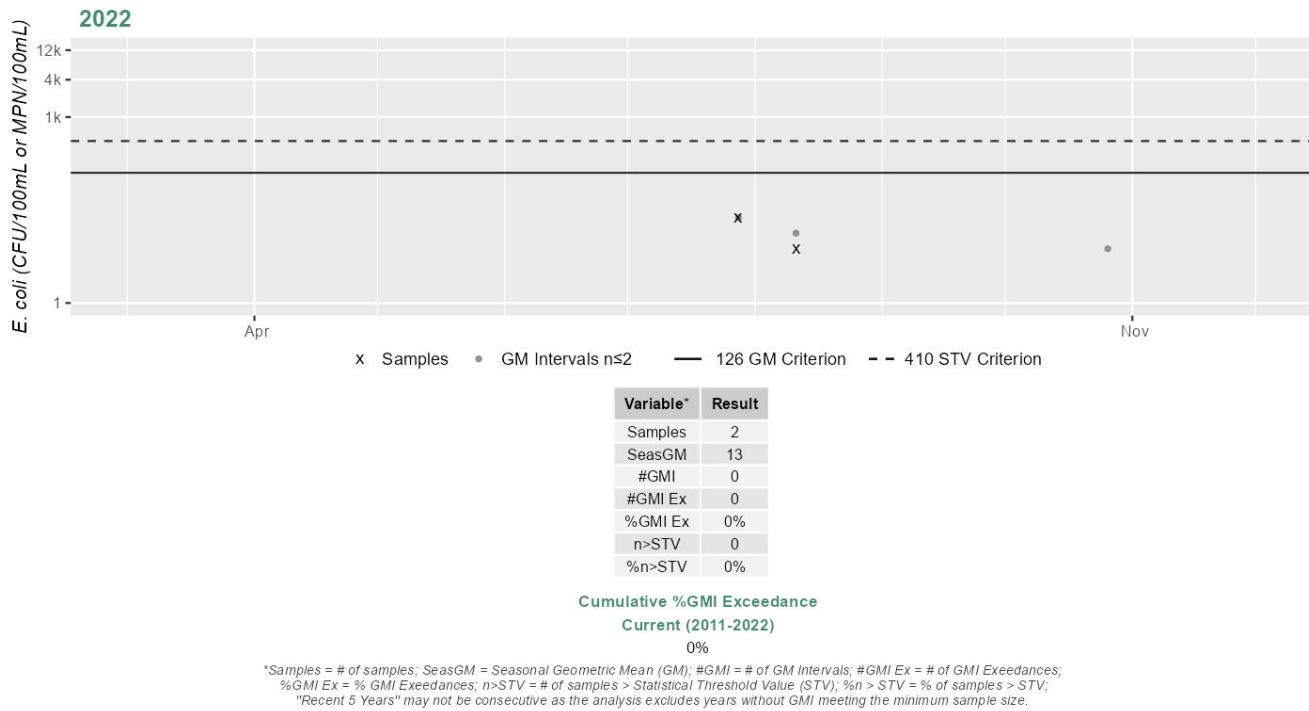
### Station HVA\_EAB500 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Station HVA\_OF\_DO330-OT - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO
<b>2024/26 Use Attainment Summary</b>	

The Secondary Contact Recreation Use for the East Branch Housatonic River (MA21-02) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_EAB500. HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in the East Branch Housatonic River (MA21-02) from 2002-2022 at 5 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_OF\_DO330-OT [460 W Housatonic St, Dalton] from Jul-Aug 2022 (n=2), HVA\_EAB280 [upstream of W Housatonic St] from 2020-2021 (n=7-8/yr), HVA\_EAB300 [upstream of Hubbard Avenue Bridge, Pittsfield] from 2019-2020 (n=6-8/yr), HVA\_EAB500 [upstream of the Elm St Bridge, Pittsfield] from Jun-Sep 2021 (n=7), W1107 [~600 ft downstream of Pomeroy Avenue, Pittsfield] from 2002 and 2007 (n=5/yr). Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_EAB280 indicated 1 out of 2 sufficient data yrs had intervals where >20% of the GMs were >244 CFU/100ml (2021, 75%), 0 yrs had ≥2 samples exceed the 794 CFU/100ml STV, and cumulatively across years 42% of intervals had GMs >244 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_EAB300 indicated 1 out of 2 sufficient data yrs had intervals where >20% of the GMs were >244 CFU/100ml (2020, 27%), 0 yrs had ≥2 samples exceed the 794 CFU/100ml STV, and cumulatively across years 16% of intervals had GMs >244 CFU/100ml. Analysis of the single year moderate frequency *E. coli* dataset from HVA\_EAB500 indicated 100% of intervals had GMs >244 CFU/100ml and 2 samples exceeded the 794 CFU/100ml STV. *E. coli* data from HVA\_OF\_DO330-OT are too limited according to the 2024 CALM to assess the Secondary Contact Recreation Use. While *E. coli* data from HVA\_EAB280 and HVA\_EAB300 meet 2024 CALM guidance, *E. coli* data from HVA\_EAB500 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_EAB280	Housatonic Valley Association	Water Quality	East Branch Housatonic River	Upstream of West Housatonic Street	42.471374	-73.168666
HVA_EAB300	Housatonic Valley Association	Water Quality	East Branch of Housatonic River	Upstream of Hubbard Avenue Bridge, Pittsfield	42.469428	-73.196148
HVA_EAB500	Housatonic Valley Association	Water Quality	East Branch of the Housatonic River	Upstream of the Elm Street Bridge, Pittsfield	42.445118	-73.244053
HVA_OF_DO330-OT	Housatonic Valley Association	Water Quality	East Branch of the Housatonic River	460 West Housatonic Street, Dalton	42.469685	-73.160783
W1107	MassDEP	Water Quality	East Branch Housatonic River	[approximately 600 feet downstream of Pomeroy Avenue, Pittsfield]	42.435430	-73.249514

## Bacteria Data

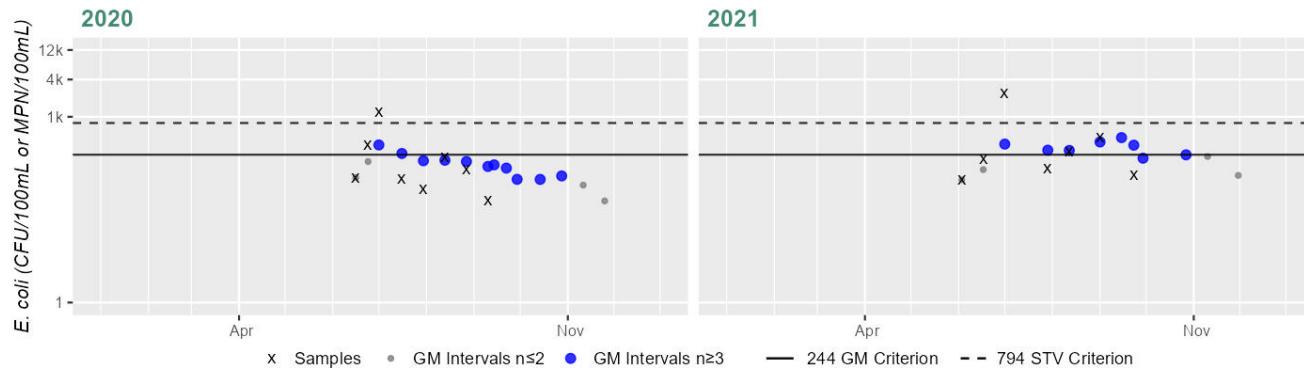
**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022)** (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_EAB280	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	43	1203	157
HVA_EAB280	Housatonic Valley Association	E. coli	06/03/21	09/23/21	7	95	2419	268
HVA_EAB300	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	74	191	123
HVA_EAB300	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	75	4106	192
HVA_EAB500	Housatonic Valley Association	E. coli	06/03/21	09/23/21	7	122	2419	386
HVA_OF_DO330-OT	Housatonic Valley Association	E. coli	07/28/22	08/11/22	2	7	23	13
W1107	MassDEP	E. coli	05/22/02	09/25/02	5	30	700	197
W1107	MassDEP	E. coli	05/08/07	09/25/07	5	22	480	165

### Station HVA\_EAB280 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	8
SeasGM	157
#GMI	11
#GMI Ex	2
%GMI Ex	18%
n>STV	1
%n>STV	12%

Variable*	Result
Samples	7
SeasGM	268
#GMI	8
#GMI Ex	6
%GMI Ex	75%
n>STV	1
%n>STV	14%

#### Cumulative %GMI Exceedance

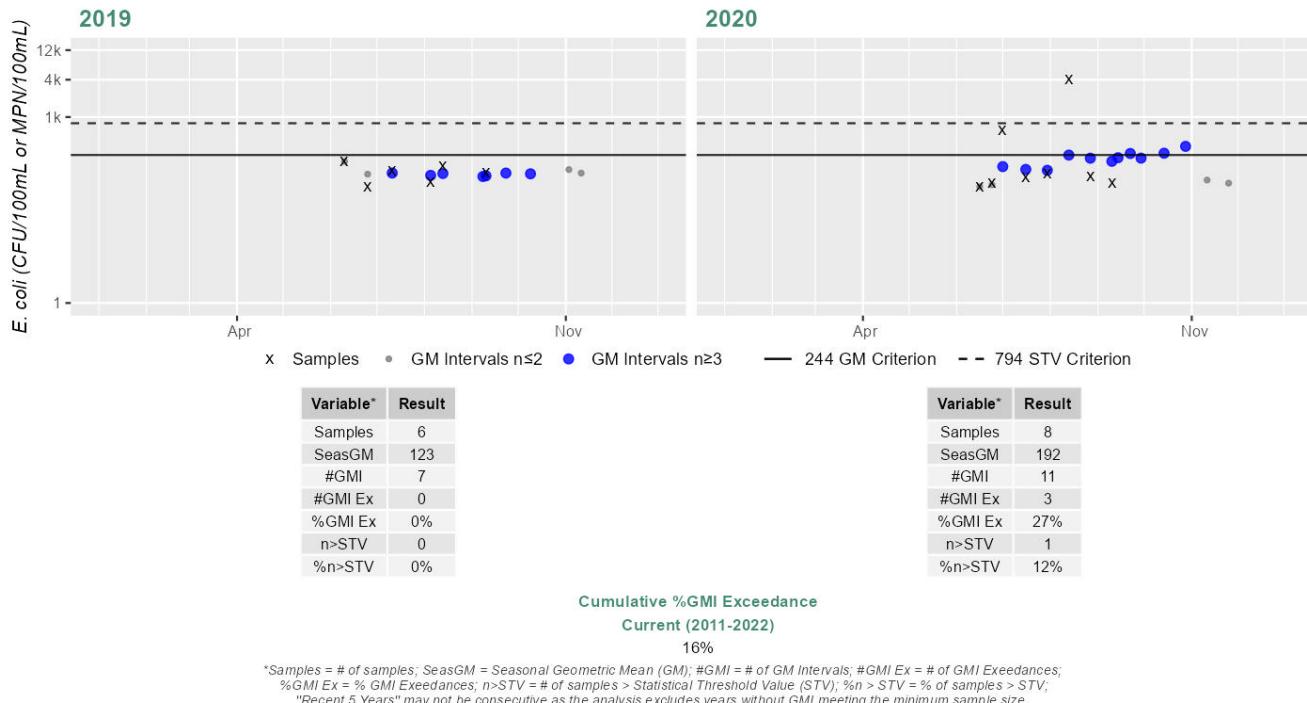
Current (2011-2022)

42%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

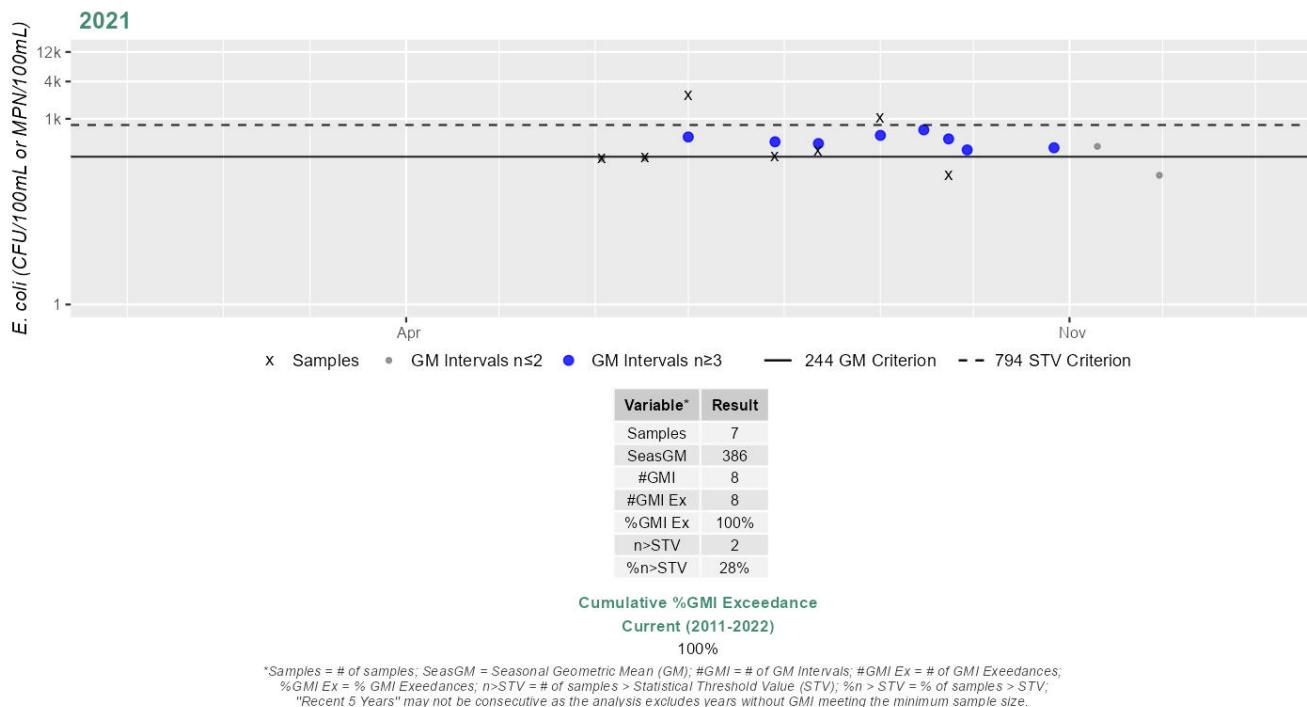
### Station HVA\_EAB300 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



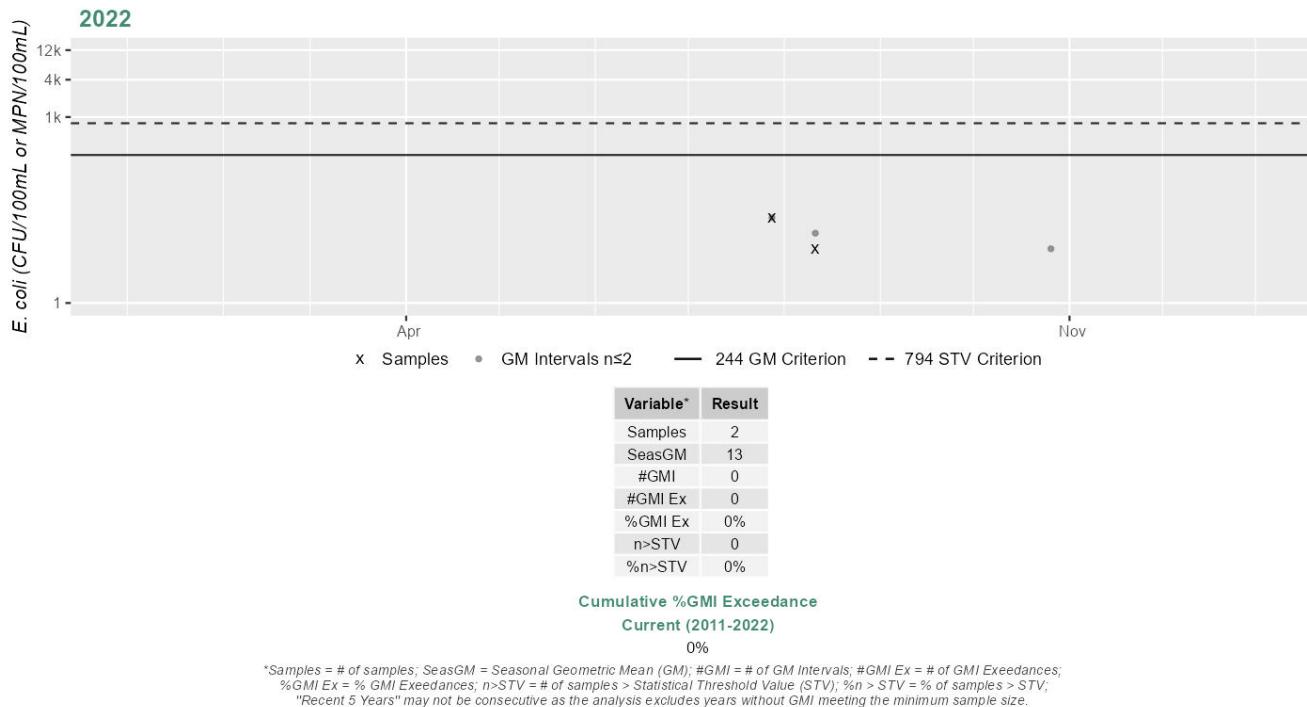
### Station HVA\_EAB500 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



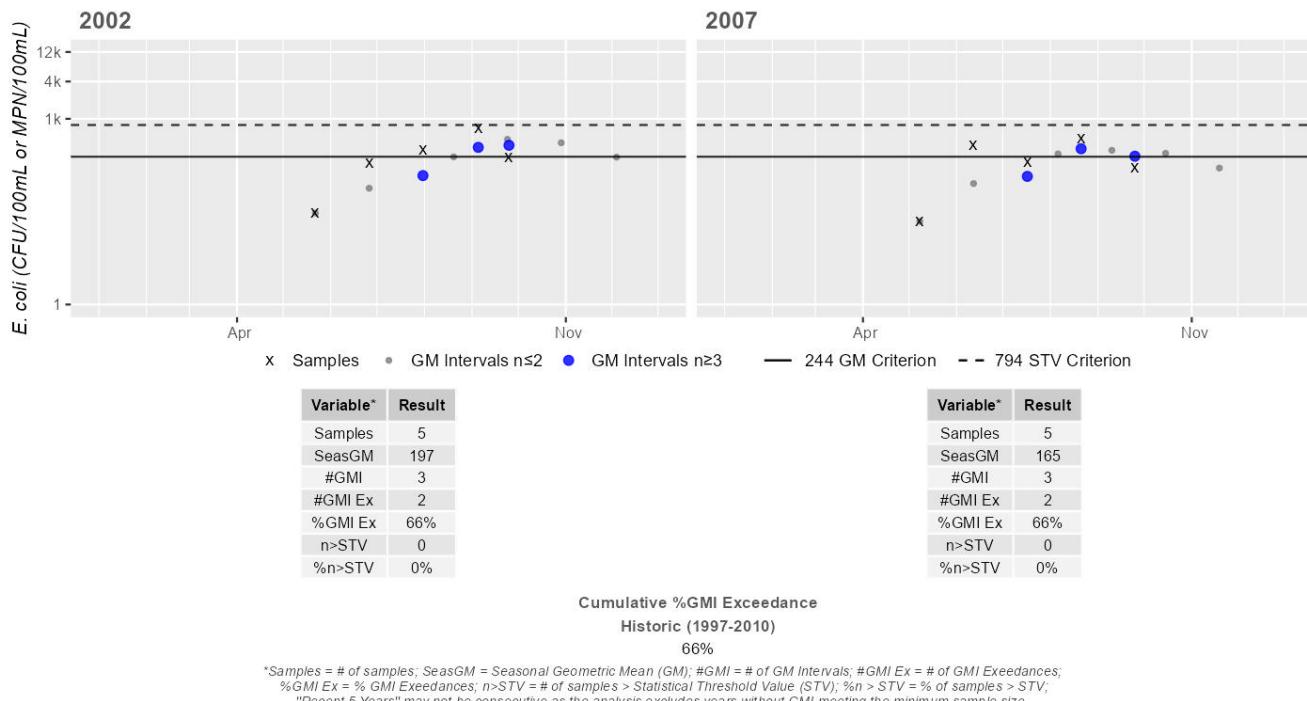
Station HVA\_OF\_DO330-OT - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Station MASSDEP W1107 - *Escherichia coli*

#### Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## East Indies Pond (MA21029)

<b>Location:</b>	New Marlborough.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	72 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for East Indies Pond (MA21029) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

## Farnham Reservoir (MA21033)

<b>Location:</b>	Washington.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	41 ACRES
<b>Classification/Qualifier:</b>	A: PWS, ORW

No usable data were available for Farnham Reservoir (MA21033) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

## Fenton Brook (MA21-35)

<b>Location:</b>	Headwaters south of Jug End Road, Egremont (west of Mt. Bushnell, Sheffield), to mouth at confluence with Karner Brook, Egremont.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.4 MILES
<b>Classification/Qualifier:</b>	B: CWF, HQW

No usable data were available for Fenton Brook (MA21-35) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Furnace Brook (MA21-21)

<b>Location:</b>	Headwaters, perennial portion, south of Route 295 (Canaan Road), Richmond to mouth at inlet Mud Ponds, West Stockbridge.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3.7 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Furnace Brook (MA21-21) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Goodrich Pond (MA21042)

<b>Location:</b>	Pittsfield.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	15 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	PCBs in Fish Tissue	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
PCBs in Fish Tissue	Illegal Dumps or Other Inappropriate Waste Disposal (Y)	--	X	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

2024/26 Use Attainment Summary
The Fish Consumption Use for Goodrich Pond (MA21042) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue impairment is being carried forward. DPH included a site-specific advisory for Goodrich Pond in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO
<b>2024/26 Use Attainment Summary</b>	
No data are available, so the Aesthetics Use for Goodrich Pond (MA21042) is Not Assessed.	

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO
<b>2024/26 Use Attainment Summary</b>	
No bacteria or other indicator data for Goodrich Pond (MA21042) are available, so the Primary Contact Recreation Use is Not Assessed.	

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO
<b>2024/26 Use Attainment Summary</b>	
No bacteria or other indicator data for Goodrich Pond (MA21042) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.	

## Goose Pond (MA21043)

<b>Location:</b>	Lee/Tyningham.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	238 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--		Unchanged
5	5	Dissolved Oxygen	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Insufficient Information	No
<b>2024/26 Use Attainment Summary</b>	

There is Insufficient Information to assess the Fish Consumption Use for Goose Pond (MA21043). Fish toxics sampling was conducted in Goose Pond (MA21043) at station F0360 in 2018 and 2022 as part of the MassDEP Office of Research and Standards Mercury Initiative. However, no site-specific fish consumption advisory was issued by MDPH.

### ***Fish Consumption Advisories***

#### **Summary of Fish Toxics Sampling and Resulting Fish Consumption Advisories (MassDEP Undated 5)**

Summary Statement
Fish toxics sampling was conducted in Goose Pond (MA21043) at station F0360 in 2018 and 2022 as part of the MassDEP Office of Research and Standards Mercury Initiative. No site-specific fish consumption advisory was issued by MDPH.

### **Aesthetic**

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
There are no data available to assess the status of the Aesthetics Use for Goose Pond (MA21043), so it is Not Assessed.

### **Primary Contact Recreation**

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Goose Pond (MA21043) are available, so the Primary Contact Recreation Use is Not Assessed.

### **Secondary Contact Recreation**

2024/26 Use Attainment	Alert
Not Assessed	NO

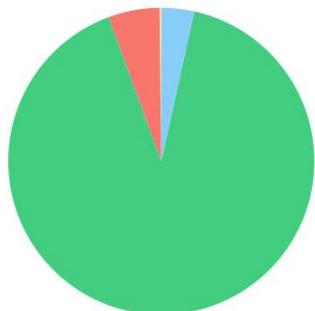
2024/26 Use Attainment Summary
No bacteria or other indicator data for Goose Pond (MA21043) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

# Goose Pond Brook (MA21-07)

<b>Location:</b>	Headwaters, wetland north of George Cannan Road, Tyringham to mouth at confluence with the Housatonic River, Lee.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3.2 MILES
<b>Classification/Qualifier:</b>	B: CWF, HQW

## Goose Pond Brook (MA21-07)

Watershed Area: 14.40 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	14.40	6.80	3.23	1.89
Agriculture	0.2%	0.2%	0.3%	0%
Developed	5.4%	8.3%	11.3%	12.8%
Natural	90.9%	89.8%	81.1%	84%
Wetland	3.5%	1.7%	7.3%	3.2%
Impervious	2.7%	4.1%	5.8%	6.3%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Goose Pond Brook (MA21-07) is Not Assessed.

## Aesthetic

2024/26 Use Attainment		Alert
Not Assessed		NO

### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Goose Pond Brook (MA21-07), so it is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment		Alert
Not Assessed		NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Goose Pond Brook (MA21-07) are available, so the Primary Contact Recreation Use is Not Assessed.

## Secondary Contact Recreation

2024/26 Use Attainment		Alert
Not Assessed		NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Goose Pond Brook (MA21-07) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. MassDEP staff collected *E. coli* bacteria samples in Goose Pond Brook (MA21-07) from 2002-2007 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: W1109 [~30 ft upstream of Greenwater Brook confluence, Lee] from May-Sep 2002 (n=5), W1110 [Tyringham Rd, Lee] from 2002 and 2007 (n=2-5/yr). Historic *E. coli* data from W1109 and W1110 meet 2024 CALM guidance. Since these data were collected prior to the current IR window (2011-2022) the Secondary Contact Recreation Use cannot be positively assessed using bacteria data.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1109	MassDEP	Water Quality	Goose Pond Brook	[approximately 30 feet upstream of Greenwater Brook confluence, Lee]	42.294173	-73.226149
W1110	MassDEP	Water Quality	Goose Pond Brook	[Tyringham Road, Lee]	42.294722	-73.238953

## Bacteria Data

### Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)

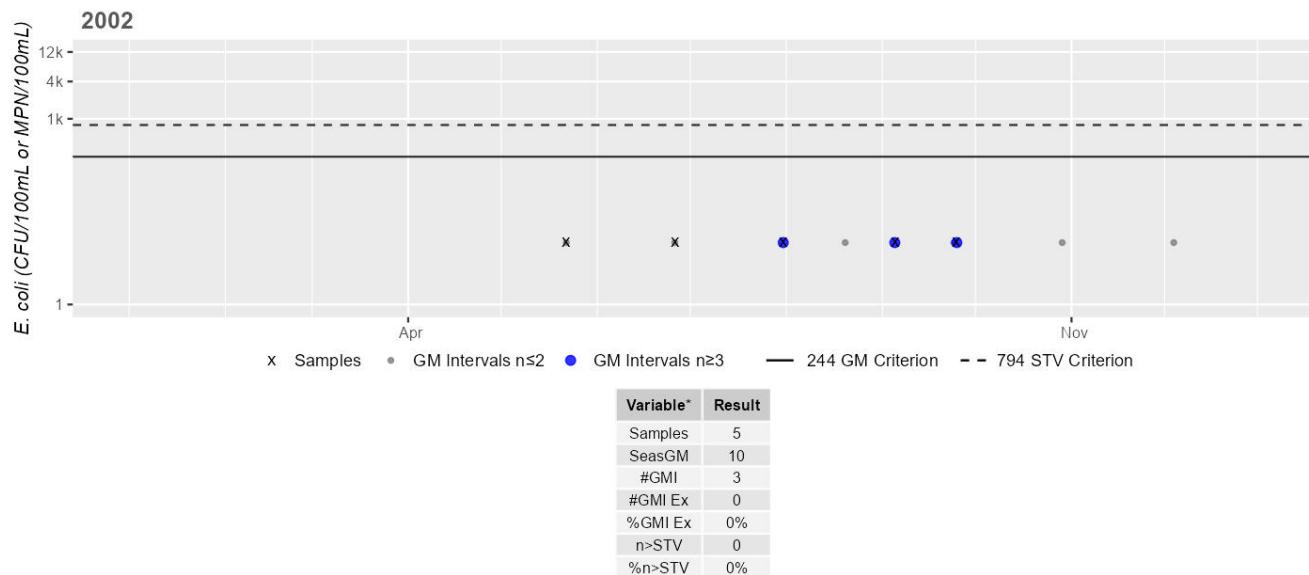
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W1109	MassDEP	E. coli	05/22/02	09/25/02	5	10	10	10
W1110	MassDEP	E. coli	09/05/02	09/25/02	2	30	60	42
W1110	MassDEP	E. coli	05/08/07	09/25/07	5	1	112	24

#### Station MASSDEP\_W1109 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

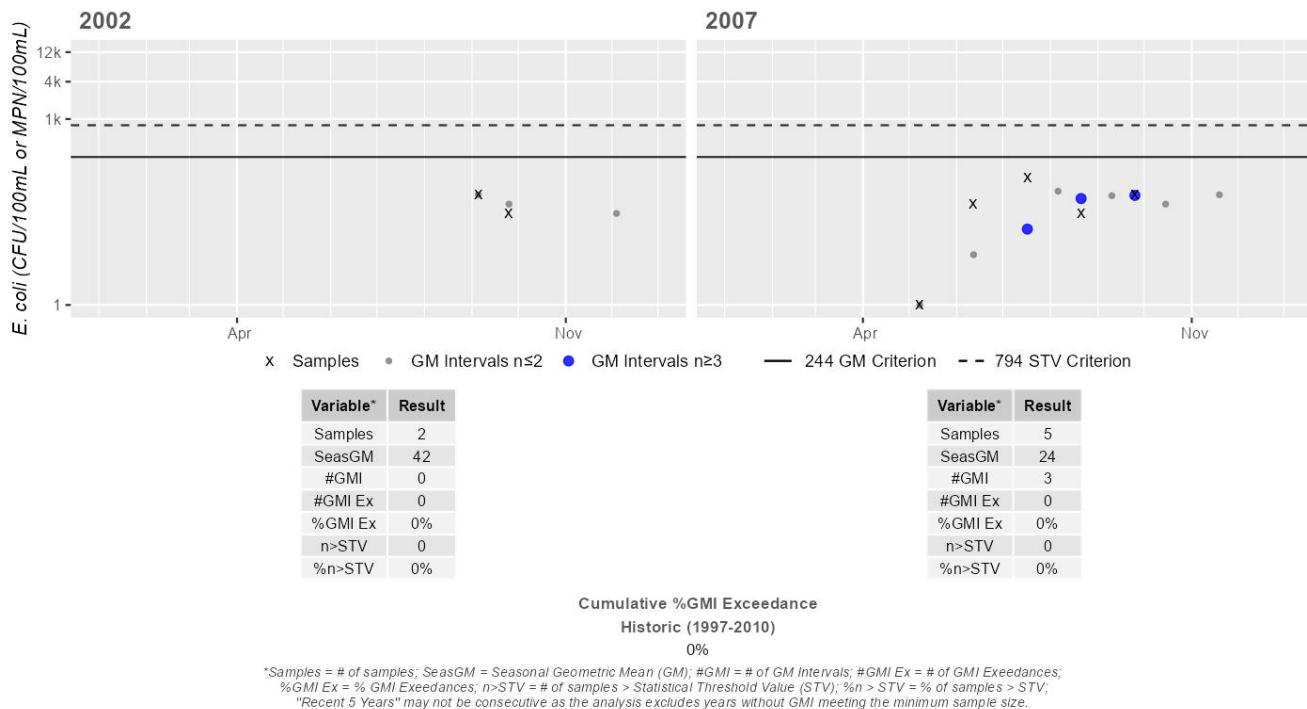


\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances;  $n > STV$  = # of samples > Statistical Threshold Value (STV); % $n > STV$  = % of samples > STV;

"Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

**Station MASSDEP\_W1110 - Escherichia coli**

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

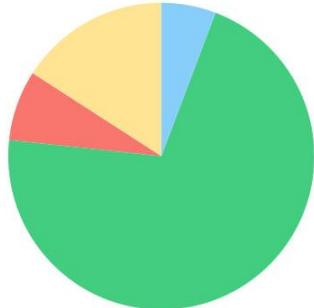


# Green River (MA21-23)

<b>Location:</b>	MA/NY border, Alford, southwest of Route 71, to mouth at confluence with the Housatonic River, Great Barrington.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	10.3 MILES
<b>Classification/Qualifier:</b>	B: CWF, HQW

## Green River (MA21-23)

Watershed Area: 53.28 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area* (square miles)	29.65	4.27	6.35	0.83
Agriculture	15.9%	27.6%	13.9%	25.2%
Developed	7.4%	12%	6.8%	7.5%
Natural	70.9%	48.8%	67.4%	43.2%
Wetland	5.8%	11.6%	11.9%	24.1%
Impervious	2.5%	3.4%	2.4%	1.7%

\*Land cover analysis only includes watershed area within Massachusetts.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	5	Escherichia Coli (E. Coli)	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	--

## Recommendations

<b>2024/26 Recommendations</b>	
2024/2026 IR [ <i>E. coli</i> , Low] Additional monitoring is recommended at {HVA_GNR400 & W1112} due to elevated <i>E. coli</i> concentrations for the Secondary Contact Recreation Use.	

## Designated Use Attainment Decisions

### Fish Consumption

<b>2024/26 Use Attainment</b>	<b>Alert</b>
Not Assessed	No

<b>2024/26 Use Attainment Summary</b>
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Green River (MA21-23) is Not Assessed.

### Aesthetic

<b>2024/26 Use Attainment</b>	<b>Alert</b>
Not Assessed	NO

<b>2024/26 Use Attainment Summary</b>
There are no data available to assess the status of the Aesthetics Use for Green River (MA21-23), so it is Not Assessed.

### Primary Contact Recreation

<b>2024/26 Use Attainment</b>	<b>Alert</b>
Not Supporting	NO

<b>2024/26 Use Attainment Summary</b>

The Primary Contact Recreation Use for the Green River (MA21-23) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_GNR400. HVA staff/volunteers collected *E. coli* bacteria samples in the Green River (MA21-23) from 2020-2022 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_GNR200 [upstream of Rowe Rd Bridge, Egremont] from Jun-Sep 2020 (n=8), HVA\_GNR300 [downstream of Seekonk Cross Rd Bridge, Great Barrington] from Jun-Sep 2020 (n=8), HVA\_GNR400 [upstream of Rt. 23/41 Bridge, Great Barrington] from 2020-2022 (n=5-8/yr). Analysis of the single year moderate frequency *E. coli* dataset from HVA\_GNR200 indicated 0% of intervals had GMs >126 CFU/100ml and no samples exceeded the 410 CFU/100ml STV. Analysis of the single year moderate frequency *E. coli* dataset from HVA\_GNR300 indicated 0% of intervals had GMs >126 CFU/100ml and no samples exceeded the 410 CFU/100ml STV. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_GNR400 indicated 3 out of 3 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2020-2022, 54-100%), 1 yr had  $\geq 2$  samples exceed the 410 CFU/100ml STV (2020, n=2), and cumulatively across years 77% of intervals had GMs >126 CFU/100ml. While *E. coli* data from HVA\_GNR200 and HVA\_GNR300 meet 2024 CALM guidance, *E. coli* data from HVA\_GNR400 are indicative of an *E. coli* impairment.

### **Monitoring Stations**

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_GNR200	Housatonic Valley Association	Water Quality	Green River	Upstream of Rowe Road Bridge, Egremont	42.206102	-73.438995
HVA_GNR300	Housatonic Valley Association	Water Quality	Green River	Downstream of Seekonk Cross Road Bridge, Great Barrington	42.191131	-73.399069
HVA_GNR400	Housatonic Valley Association	Water Quality	Green River	Upstream of Route 23/41 Bridge, Great Barrington	42.179629	-73.379388

### **Bacteria Data**

**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)**

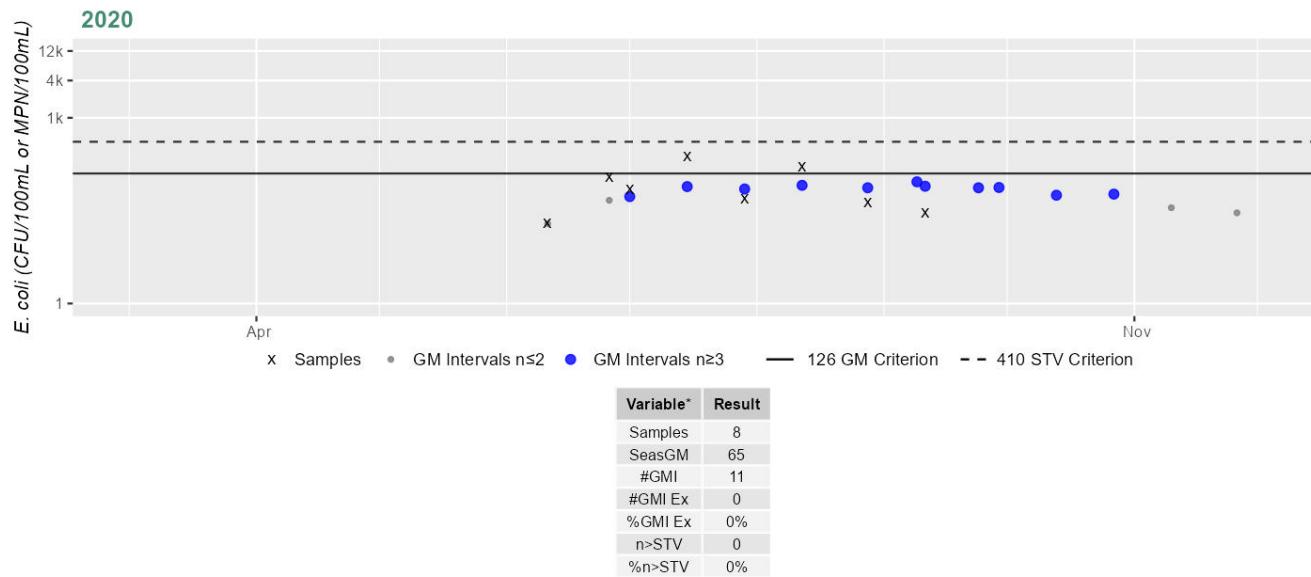
[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_GNR200	Housatonic Valley Association	<i>E. coli</i>	06/10/20	09/10/20	8	19	235	65
HVA_GNR300	Housatonic Valley Association	<i>E. coli</i>	06/10/20	09/10/20	8	13	104	49
HVA_GNR400	Housatonic Valley Association	<i>E. coli</i>	06/10/20	09/10/20	8	73	2419	209
HVA_GNR400	Housatonic Valley Association	<i>E. coli</i>	06/03/21	08/11/21	5	67	2419	161

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_GNR400	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	1	2419	78

### Station HVA\_GNR200 - *Escherichia coli*

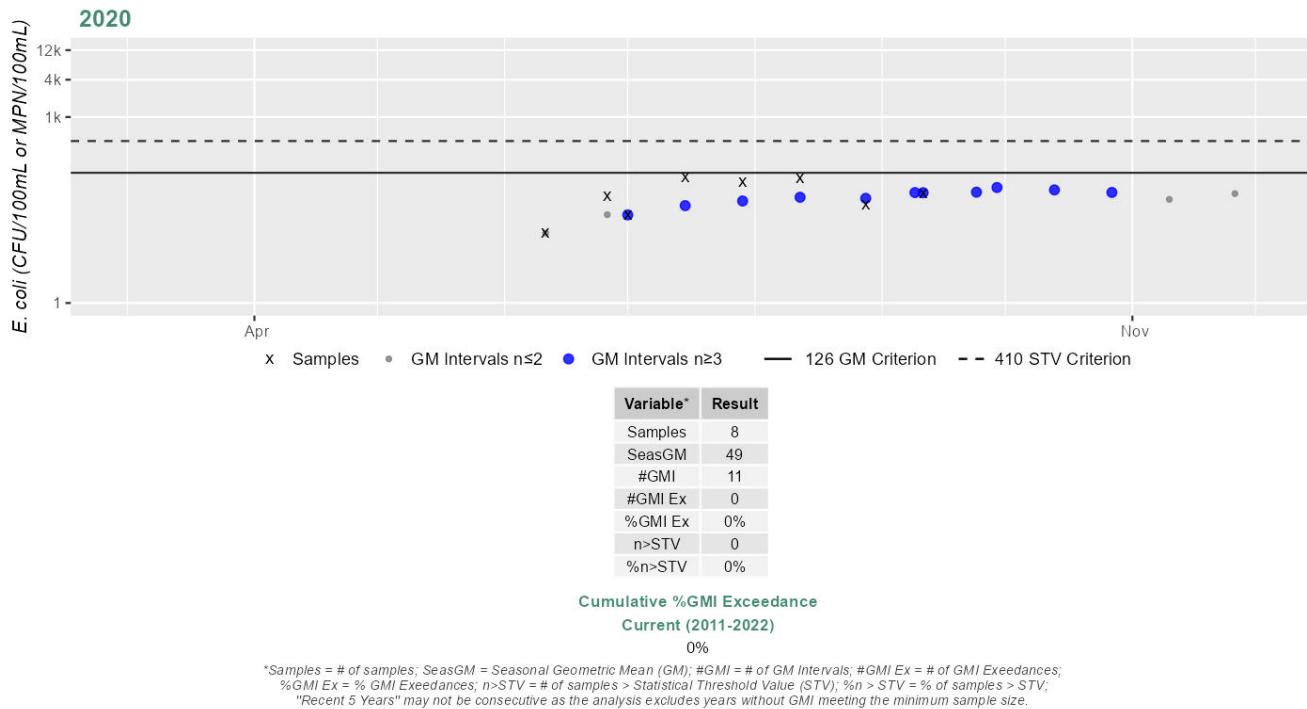
Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

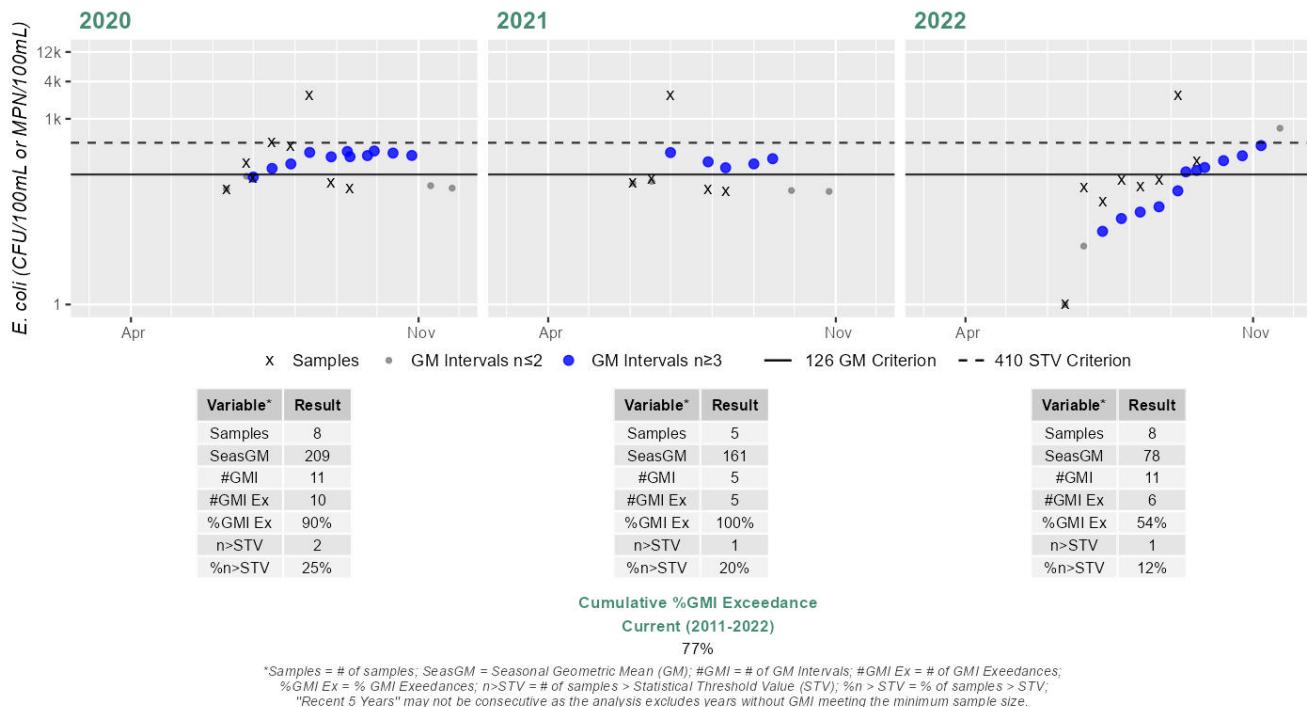
### Station HVA\_GNR300 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Station HVA\_GNR400 & MASSDEP\_W1112 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment		Alert
Fully Supporting		YES

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for the Green River (MA21-23) continues to be assessed as Fully Supporting. HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in the Green River (MA21-23) from 2002-2022 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_GNR200 [upstream of Rowe Rd Bridge, Egremont] from Jun-Sep 2020 (n=8), HVA\_GNR300 [downstream of Seekonk Cross Rd Bridge, Great Barrington] from Jun-Sep 2020 (n=8), HVA\_GNR400 & W1112 [Rt. 23\41, Great Barrington & upstream of Rt. 23/41 Bridge, Great Barrington] from 2002 and 2007 (historic n=5/yr) and 2020-2022 (current n=5-8/yr). *E. coli* data from HVA\_GNR200, HVA\_GNR300, and HVA\_GNR400 & W1112 meet 2024 CALM guidance. An Alert is being identified for *Escherichia coli* at HVA\_GNR400 & W1112.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_GNR200	Housatonic Valley Association	Water Quality	Green River	Upstream of Rowe Road Bridge, Egremont	42.206102	-73.438995
HVA_GNR300	Housatonic Valley Association	Water Quality	Green River	Downstream of Seekonk Cross Road Bridge, Great Barrington	42.191131	-73.399069
HVA_GNR400	Housatonic Valley Association	Water Quality	Green River	Upstream of Route 23/41 Bridge, Great Barrington	42.179629	-73.379388
W1112	MassDEP	Water Quality	Green River	[Route 23\41, Great Barrington]	42.179376	-73.379257

### Bacteria Data

**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022)** (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)

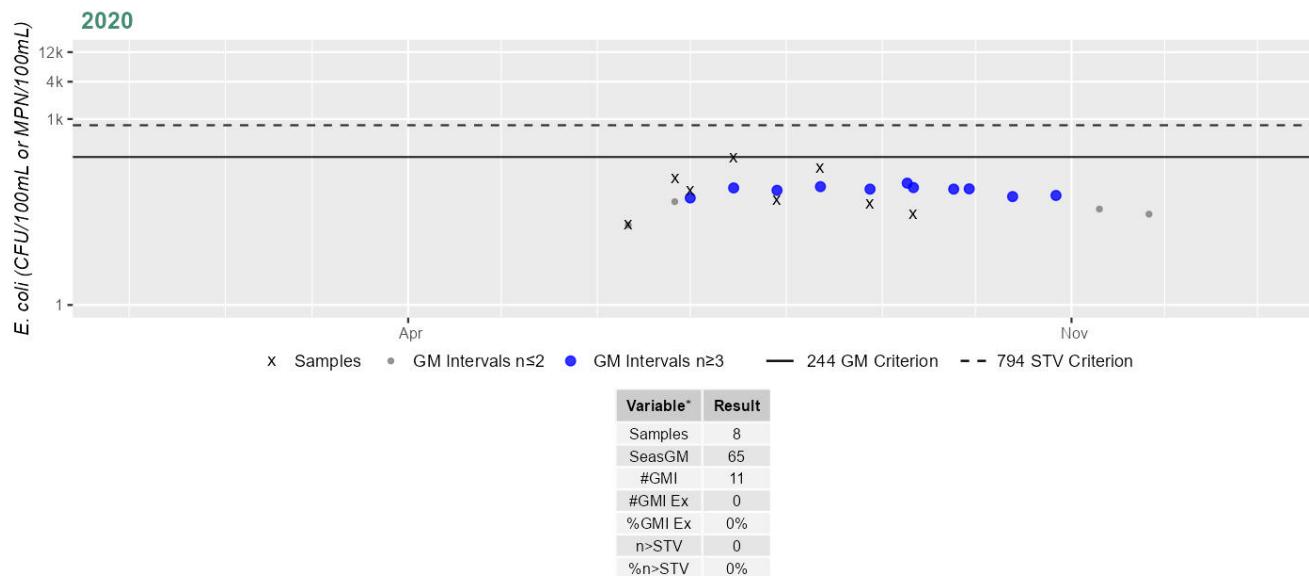
[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_GNR200	Housatonic Valley Association	<i>E. coli</i>	06/10/20	09/10/20	8	19	235	65
HVA_GNR300	Housatonic Valley Association	<i>E. coli</i>	06/10/20	09/10/20	8	13	104	49
HVA_GNR400	Housatonic Valley Association	<i>E. coli</i>	06/10/20	09/10/20	8	73	2419	209

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_GNR400	Housatonic Valley Association	E. coli	06/03/21	08/11/21	5	67	2419	161
HVA_GNR400	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	1	2419	78
W1112	MassDEP	E. coli	05/22/02	09/25/02	5	10	150	31
W1112	MassDEP	E. coli	05/08/07	09/25/07	5	14	810	57

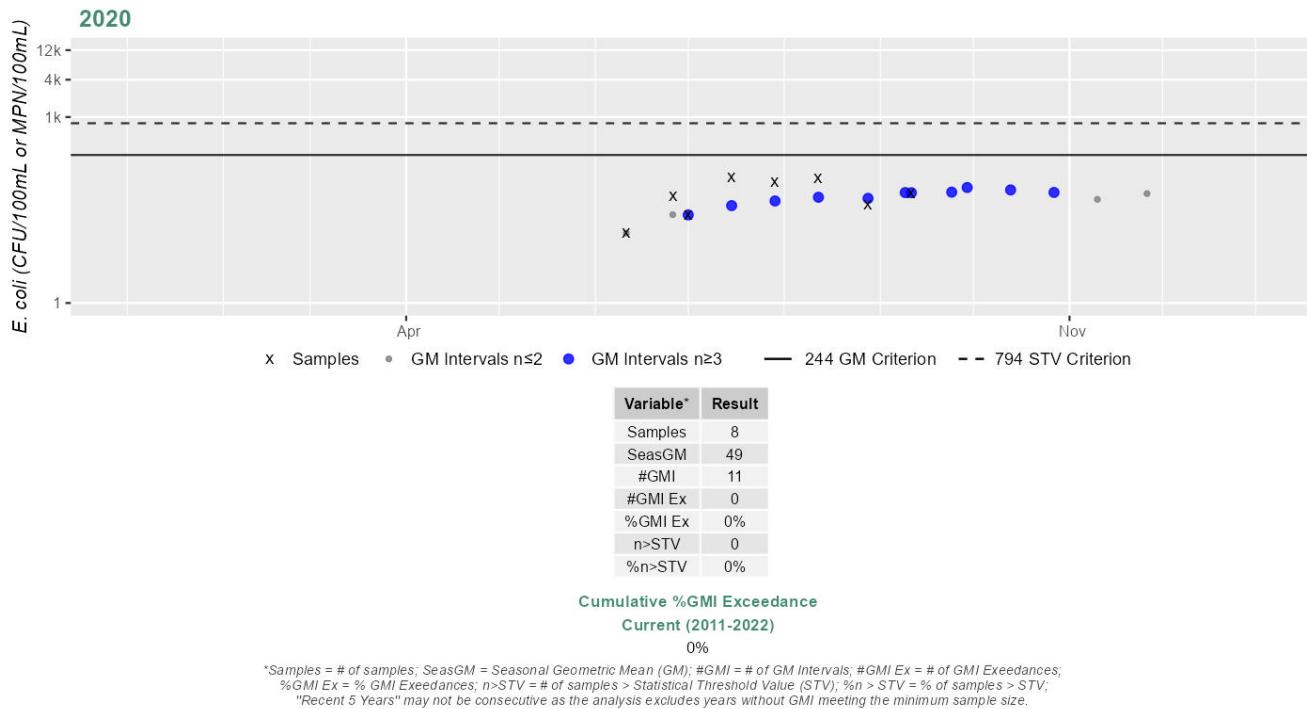
### Station HVA\_GNR200 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



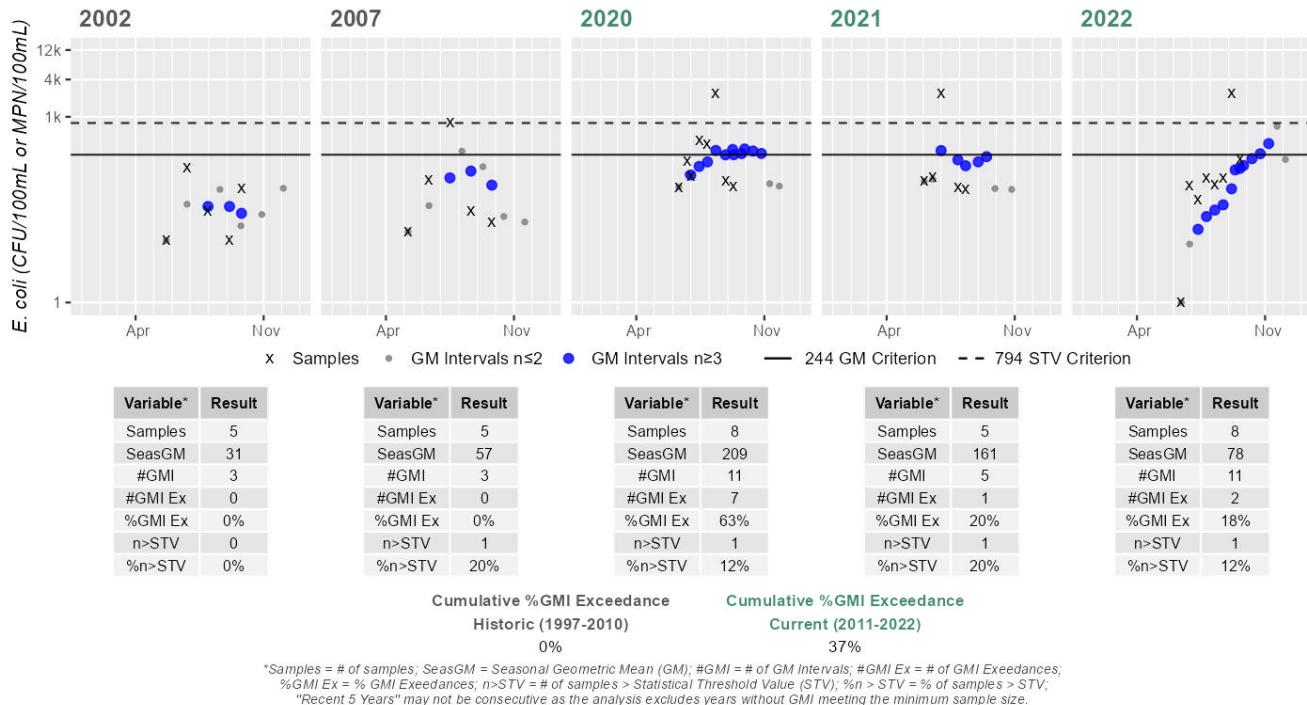
### Station HVA\_GNR300 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Station HVA\_GNR400 & MASSDEP\_W1112 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

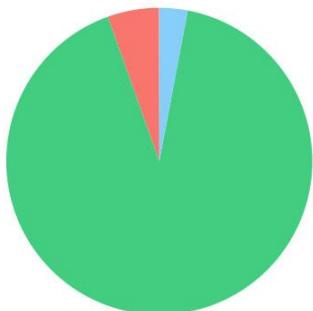


# Greenwater Brook (MA21-27)

<b>Location:</b>	Headwaters, outlet Greenwater Pond, Becket to mouth at confluence with Goose Pond Brook, Lee.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	4.4 MILES
<b>Classification/Qualifier:</b>	B

## Greenwater Brook (MA21-27)

Watershed Area: 7.96 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	7.96	5.01	1.47	1.05
Agriculture	0%	0%	0.1%	0.1%
Developed	5.4%	6.3%	15.8%	15.6%
Natural	91.6%	91%	77.4%	79.6%
Wetland	3%	2.6%	6.7%	4.7%
Impervious	2.8%	3%	8%	7.3%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Greenwater Brook (MA21-27) is Not Assessed.

## Aesthetic

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No data are available, so the Aesthetics Use for Greenwater Brook (MA21-27) is Not Assessed.	

## Primary Contact Recreation

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No bacteria or other indicator data for Greenwater Brook (MA21-27) are available, so the Primary Contact Recreation Use is Not Assessed.	

## Secondary Contact Recreation

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No bacteria or other indicator data for Greenwater Brook (MA21-27) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. MassDEP staff collected <i>E. coli</i> bacteria samples in Greenwater Brook (MA21-27) at W1108 [Forest St, Lee] from May-Sep 2002 (n=5). Analysis of this historic single year limited frequency <i>E. coli</i> dataset from W1108 indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV, and the overall GM was 97 CFU/100ml. Historic <i>E. coli</i> data from W1108 meet 2024 CALM guidance. Since these data were collected prior to the current IR window (2011-2022) the Secondary Contact Recreation Use cannot be positively assessed using bacteria data.	

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1108	MassDEP	Water Quality	Greenwater Brook	[Forest Street, Lee]	42.294383	-73.226076

## Bacteria Data

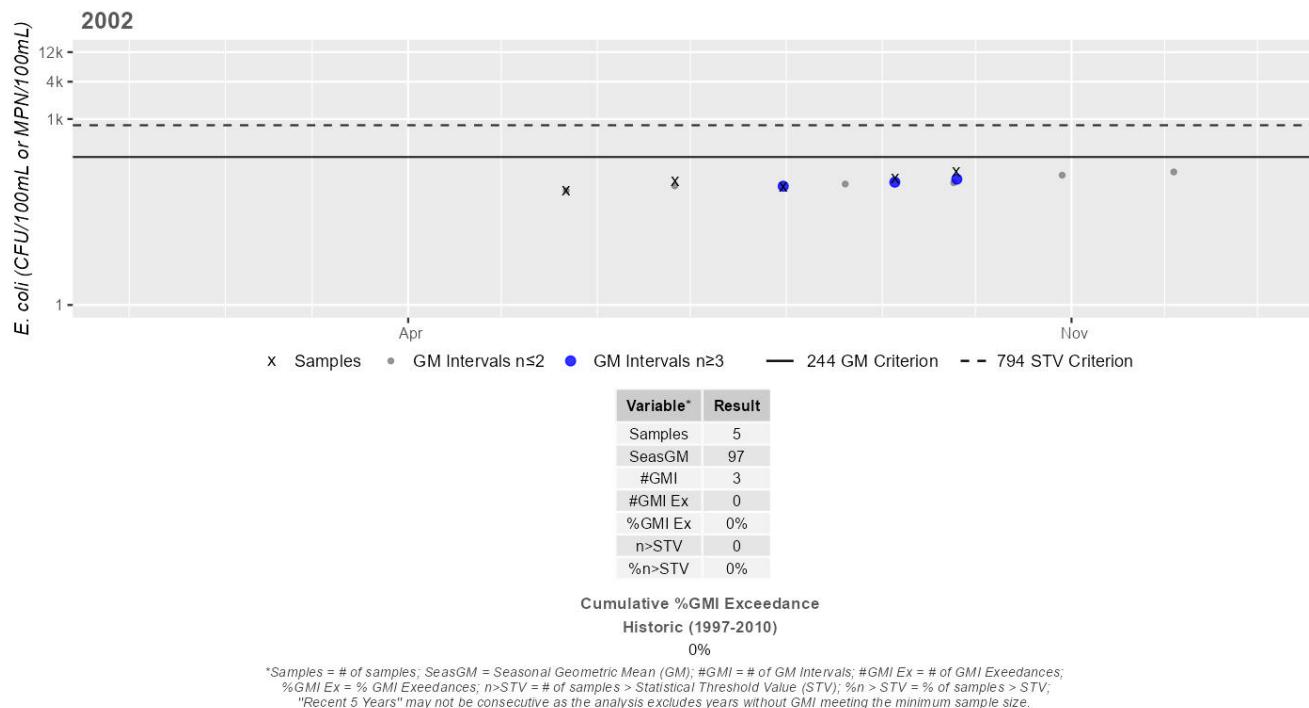
Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)  
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W1108	MassDEP	E. coli	05/22/02	09/25/02	5	70	140	97

### Station MASSDEP\_W1108 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Greenwater Pond (MA21044)

<b>Location:</b>	Becket.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	89 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Greenwater Pond (MA21044) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

## Hathaway Brook (MA21-58)

<b>Location:</b>	Headwaters, east of Washington Mountain Road, Washington to mouth at confluence with Sackett Brook, Dalton.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.2 MILES
<b>Classification/Qualifier:</b>	B: CWF

No usable data were available for Hathaway Brook (MA21-58) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Hayes Pond (MA21051)

<b>Location:</b>	Otis.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	46 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Hayes Pond (MA21051) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

## Hollow Brook (MA21-67)

<b>Location:</b>	Headwaters, perennial portion, west of Silver Street, Lanesborough to mouth at confluence with Secum Brook, Lanesborough.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.5 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Hollow Brook (MA21-67) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

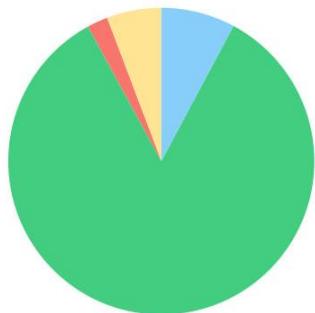
AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Hop Brook (MA21-28)

<b>Location:</b>	Headwaters, outlet Curtin Pond, Otis to mouth at confluence with the Housatonic River, Lee.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	12 MILES
<b>Classification/Qualifier:</b>	B

### Hop Brook (MA21-28)

Watershed Area: 22.22 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	22.22	7.62	3.59	0.99
Agriculture	5.8%	8.4%	9.9%	17.7%
Developed	2.2%	2.3%	4.8%	4.3%
Natural	84.2%	78.4%	64.6%	49%
Wetland	7.8%	10.9%	20.7%	29%
Impervious	0.9%	1%	2.1%	2.1%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
2	5	Escherichia Coli (E. Coli)	--		Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	--

### Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Hop Brook (MA21-28) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Aesthetics Use for Hop Brook (MA21-28) continues to be assessed as Fully Supporting. MassDEP staff recorded aesthetics observations at one station halfway down this Hop Brook AU (MA21-28), southwest of Main Road, ~6500 feet downstream of Jerusalem Road, Tyringham (W2249) in summer 2012 (n=6). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2249	MassDEP	Water Quality	Hop Brook	[southwest of Main Road, approximately 6500 feet downstream of Jerusalem Road, Tyringham]	42.252590	-73.219628

## Aesthetic Observations

### Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 4)

[Note: scums of natural origins (e.g. pollen blankets or natural foams) are excluded.]

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2249	2012	6	Aesthetic observations were made by MassDEP field sampling crews at Station W2249 on Hop Brook (MA21-28) during 6 site visits between May 2012 and Sep 2012. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

### Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 6) (MassDEP Undated 4)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2249	2012	6	6	0

#### MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 6)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2249	Hop Brook	2012	Aquatic Plant Density, Overall	None	5	6
W2249	Hop Brook	2012	Aquatic Plant Density, Overall	Sparse	1	6
W2249	Hop Brook	2012	Color	Light Yellow/Tan	1	6
W2249	Hop Brook	2012	Color	None	5	6
W2249	Hop Brook	2012	Objectionable Deposits	No	6	6
W2249	Hop Brook	2012	Odor	None	6	6
W2249	Hop Brook	2012	Periphyton Density, Filamentous	None	6	6
W2249	Hop Brook	2012	Periphyton Density, Film	None	6	6
W2249	Hop Brook	2012	Scum	No	6	6
W2249	Hop Brook	2012	Turbidity	None	5	6
W2249	Hop Brook	2012	Turbidity	Slightly Turbid	1	6

#### Primary Contact Recreation

2024 Impairment	Pollutant Y/N	2024 Source	Confirmed Y/N
Escherichia Coli (E. Coli)	YES	Source Unknown	NO

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary	
The Primary Contact Recreation Use for Hop Brook (MA21-28) is assessed as Not Supporting. An <i>Escherichia coli</i> ( <i>E. coli</i> ) impairment is being added due to bacteria data not meeting the threshold at W2249. MassDEP staff collected <i>E. coli</i> bacteria samples in Hop Brook (MA21-28) at W2249 [southwest of Main Rd, ~6500 ft downstream of Jerusalem Rd, Tyringham] from May-Sep 2012 (n=6). Analysis of the single year limited frequency <i>E. coli</i> dataset from W2249 indicated 85% of intervals had GMs >126 CFU/100ml, 1 sample exceeded the 410 CFU/100ml STV, and the seasonal GM was 167 CFU/100ml. <i>E. coli</i> data from W2249 are indicative of an <i>E. coli</i> impairment.	

#### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2249	MassDEP	Water Quality	Hop Brook	[southwest of Main Road, approximately 6500 feet downstream of Jerusalem Road, Tyringham]	42.252590	-73.219628

## Bacteria Data

### Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)

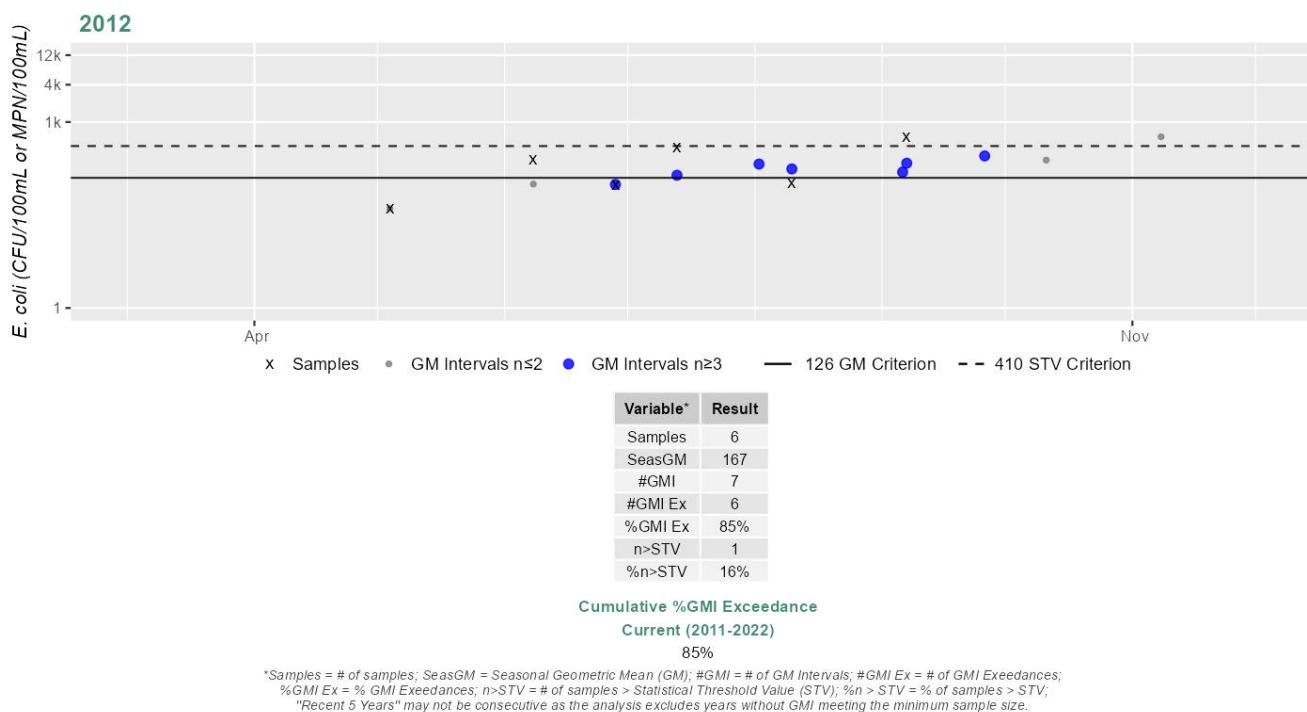
(MassDEP Undated 6) (MassDEP Undated 4)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W2249	MassDEP	E. coli	05/03/12	09/06/12	6	40	579	167

#### Station MASSDEP\_W2249 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO
<b>2024/26 Use Attainment Summary</b>	

The Secondary Contact Recreation Use for Hop Brook (MA21-28) continues to be assessed as Fully Supporting. MassDEP staff collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in Hop Brook (MA21-28) from 2002-2012 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: W2249 [southW of Main Rd, ~6500 ft downstream of Jerusalem Rd, Tyringham] from May-Sep 2012 (n=6), W1115 [at Meadow St, Lee] from 2002 and 2007 (n=5/yr). Analysis of the single year limited frequency *E. coli* dataset from W2249 indicated 14% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV, and the overall GM was 167 CFU/100ml. *E. coli* data from W2249 meet 2024 CALM guidance.

### **Monitoring Stations**

<b>Station Code</b>	<b>Organization</b>	<b>Type</b>	<b>Water Body</b>	<b>Station Description</b>	<b>Latitude</b>	<b>Longitude</b>
W1115	MassDEP	Water Quality	Hop Brook	[at Meadow Street, Lee]	42.270420	-73.251104
W2249	MassDEP	Water Quality	Hop Brook	[southwest of Main Road, approximately 6500 feet downstream of Jerusalem Road, Tyringham]	42.252590	-73.219628

### **Bacteria Data**

#### **Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)**

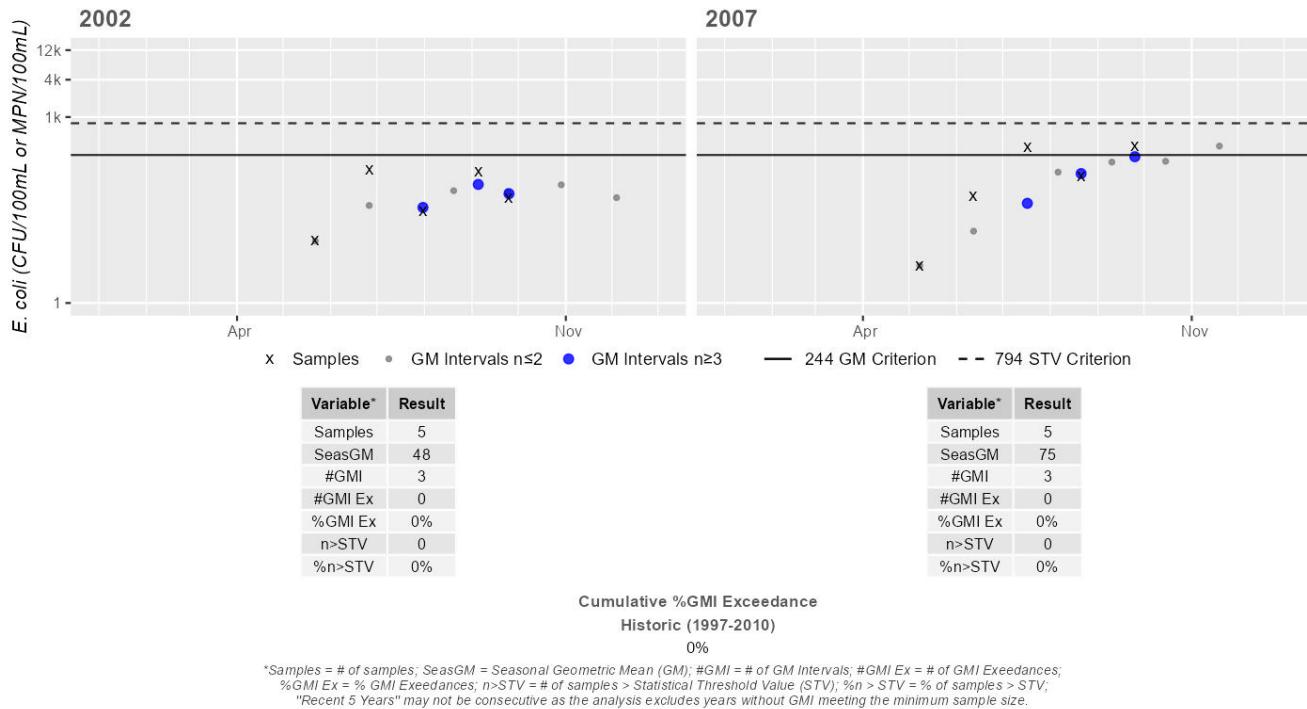
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

<b>Station Code</b>	<b>Organization</b>	<b>Indicator</b>	<b>Start Date</b>	<b>End Date</b>	<b>Sample Count</b>	<b>Minimum Sample Result</b>	<b>Maximum Sample Result</b>	<b>Seasonal Geometric Mean</b>
W1115	MassDEP	<i>E. coli</i>	05/22/02	09/25/02	5	10	140	48
W1115	MassDEP	<i>E. coli</i>	05/08/07	09/25/07	5	4	340	75
W2249	MassDEP	<i>E. coli</i>	05/03/12	09/06/12	6	40	579	167

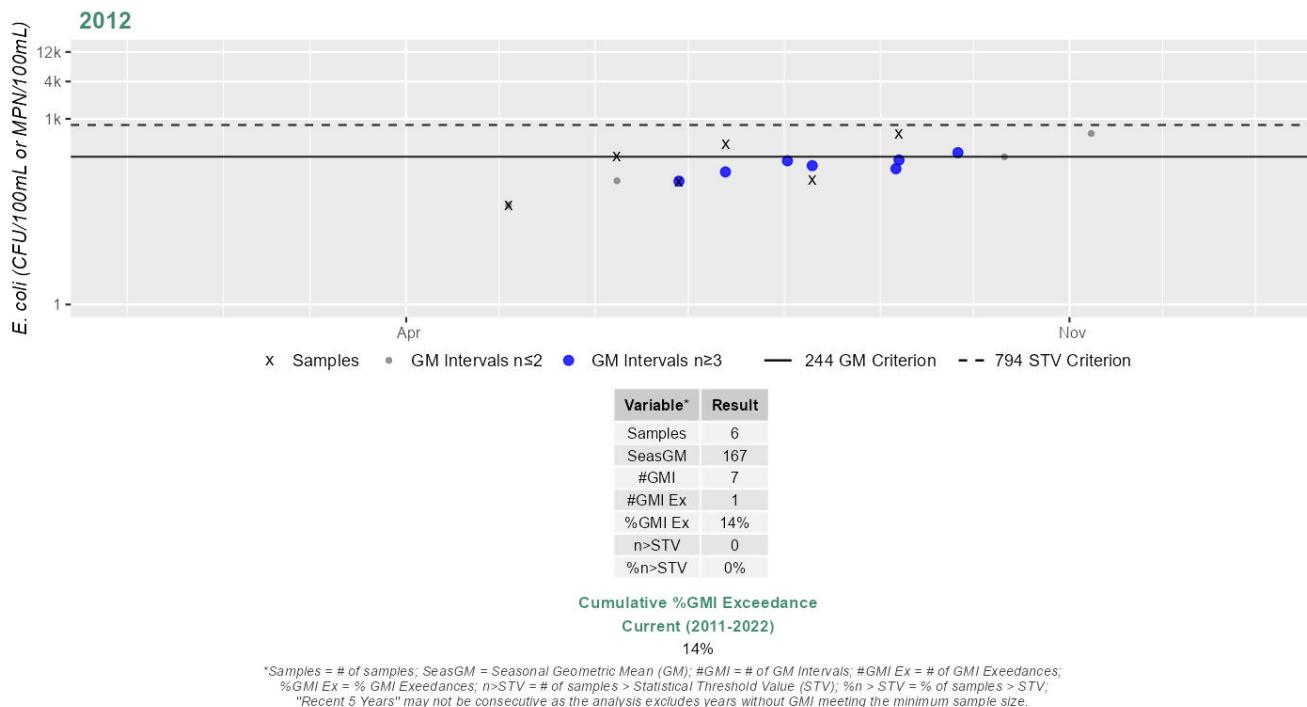
### Station MASSDEP\_W1115 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Station MASSDEP\_W2249 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

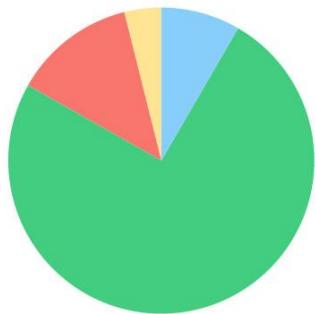


## Housatonic River (MA21-04)

<b>Location:</b>	Headwaters, confluence of Southwest Branch Housatonic River and West Branch Housatonic River, Pittsfield to Woods Pond dam (NATID: MA00731), Lee/Lenox (through former 2006 segment: Woods Pond MA21120) (approximately one mile at headwaters formerly part of 1998 segment: West Branch Housatonic River MA21-03).
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	12.3 MILES
<b>Classification/Qualifier:</b>	B: WWF

### Housatonic River (MA21-04)

Watershed Area: 170.51 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	170.51	11.19	58.30	2.65
Agriculture	3.9%	2.2%	3.1%	0.8%
Developed	12.9%	9.6%	9.2%	4.9%
Natural	74.8%	74.6%	72.9%	62.7%
Wetland	8.4%	13.6%	14.8%	31.6%
Impervious	5.2%	3.9%	3.8%	2.2%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Water Chestnut*)	--	Unchanged
5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04	Changed
5	5	Fecal Coliform	R1_MA_2024_04	Changed
5	5	PCBs in Fish Tissue	--	Unchanged
5	5	PCBs in Sediment	--	Unchanged
5	5	Polychlorinated Biphenyls (PCBs)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Water Chestnut*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X
Fecal Coliform	Source Unknown (N)	--	--	--	X	--
PCBs in Fish Tissue	Illegal Dumps or Other Inappropriate Waste Disposal (Y)	X	X	--	--	--
PCBs in Sediment	Illegal Dumps or Other Inappropriate Waste Disposal (Y)	X	--	--	--	--
Polychlorinated Biphenyls (PCBs)	Illegal Dumps or Other Inappropriate Waste Disposal (Y)	--	--	--	X	--

## Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Escherichia Coli (E. Coli)	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Massachusetts Statewide TMDL for Pathogen-Impaired Waterbodies (Report CN 515.1, approved 2/13/2024, ATTAINS Action ID: R1_MA_2024_04)
Fecal Coliform	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Massachusetts Statewide TMDL for Pathogen-Impaired Waterbodies (Report CN 515.1, approved 2/13/2024, ATTAINS Action ID: R1_MA_2024_04)

## Recommendations

2024/26 Recommendations
2016 IR [Turbidity, Low] Additional monitoring should be performed on the Housatonic River (MA21-04) to confirm observations of high turbidity that were recorded by MassDEP at New Lenox Road in 2007. {W1104}

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

#### 2024/26 Use Attainment Summary

The Fish Consumption Use for Housatonic River (MA21-04) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue impairment is being carried forward. DPH included a site-specific advisory for Housatonic River in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

### Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	YES

#### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Housatonic River (MA21-04), so it is Not Assessed. The Alert identified for Turbidity (based on data collected in 2007 at New Lenox Road, Lenox (W1104)) is being carried forward. The prior Alert identified for High Phosphorus concentrations based on data collected downstream from the Pittsfield WWTP) near New Lenox Road, Lenox during the summer of 2007 (W1104) is being removed from the Aesthetics Use (due to redundant duplication across multiple Uses); a discussion pertaining to the high phosphorus concentrations for this AU in 2007 is included in the Aquatic Life Use summary in the 2018/20IR.

### Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

#### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the Housatonic River (MA21-04) continues to be assessed as Not Supporting. The prior *Escherichia coli* (*E. coli*) impairment is being carried forward based on bacteria data not meeting the threshold at HVA\_WEB 400 and HVA\_HR 100. The prior Fecal Coliform and Polychlorinated Biphenyls (PCBS) impairments are being carried forward. The prior Turbidity Alert is being removed and will be maintained under the Aesthetics Use.

HVA staff/volunteers collected *E. coli* bacteria samples in the Housatonic River (MA21-04) from 2019 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_WEB 400 [W of Fairfield St (at the end of Fairfield St), Pittsfield] from Jun-Sep 2019 (n=6), HVA\_HR 100 [Confluence of E and W Branches, Pittsfield] from Jun-Sep 2019 (n=6). Analysis of the single year limited frequency *E. coli* dataset from HVA\_WEB 400 indicated 100% of intervals had GMs >126 CFU/100ml, 2 samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 409 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from HVA\_HR 100 indicated 100% of intervals had GMs >126 CFU/100ml, 2 samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 369 CFU/100ml. *E. coli* data from HVA\_WEB 400 and HVA\_HR 100 are indicative of an *E. coli* impairment.

Surface water sampling was conducted by the USGS downstream of the Pittsfield WWTF discharge on the Housatonic River (MA21-04) at station USGS\_01197134 on three dates during September to October 2020 as part of a MassDEP funded project to evaluate 24 PFAS analytes in ambient water samples upstream and downstream of wastewater treatment facilities. The concentrations of six of the seven analytes with individual toxicity criteria (PFOA, PFOS, PFNA, PFHxS, PFBA, PFBS) were all less than the 90 ng/L (ppt) recreational screening value (HFPO-DA/GenX was not analyzed in this study).

## **Monitoring Stations**

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_HR 100	Housatonic Valley Association	Water Quality	Housatonic River	Confluence of East and West Branches, Pittsfield	42.433565	-73.250982
HVA_WEB 400	Housatonic Valley Association	Water Quality	West Branch of the Housatonic River	West of Fairfield Street (at the end of Fairfield Street), Pittsfield	42.437332	-73.260493
USGS-01197134	USGS Massachusetts Water Science Center	Water Quality	Housatonic River	HOUSATONIC RIVER AT NEW LENOX, MA; downstream of Pittsfield WWTF	42.394000	-73.240000

## **Bacteria Data**

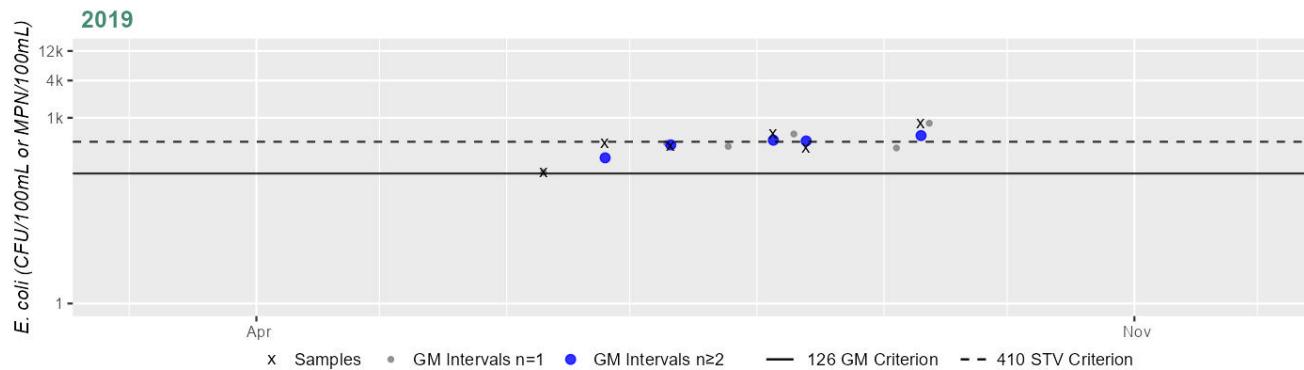
**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (30-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)**

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_HR 100	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	131	816	369
HVA_WEB 400	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	110	2419	409

### Station HVA\_HR 100 - *Escherichia coli*

Daily Maximum Samples & 30 Day Geometric Means within the Primary Contact Recreation Season



Variable*	Result
Samples	6
SeasGM	369
#GMI	5
#GMI Ex	5
%GMI Ex	100%
n>STV	2
%n>STV	33%

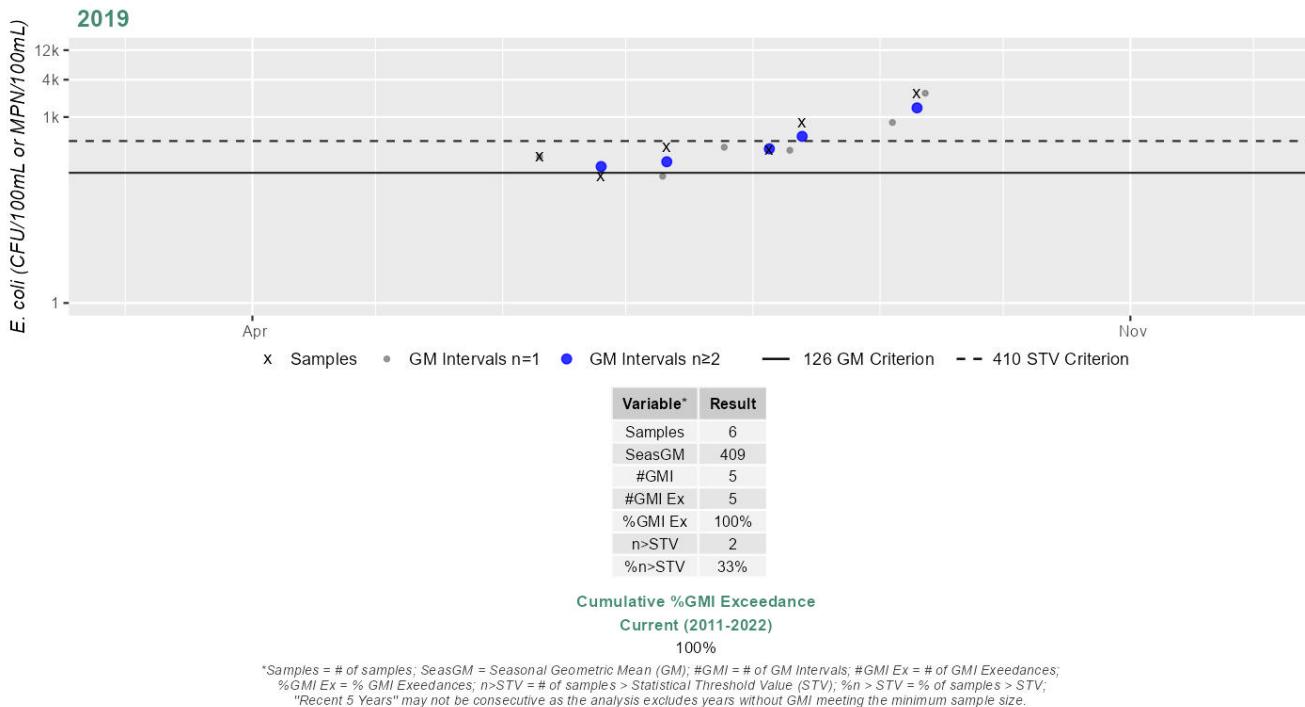
### Cumulative %GMI Exceedance Current (2011-2022)

100%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

### Station HVA\_WEB 400 - Escherichia coli

Daily Maximum Samples & 30 Day Geometric Means within the Primary Contact Recreation Season



### Other Indicators

#### Summary Statement(s) for USGS 2020 PFAS in Water Column Data (Savoie and Argue 2023) (MassDEP Undated 2)

Summary
Surface water sampling was conducted by the USGS downstream of the Pittsfield WWTF discharge on the Housatonic River (MA21-04) at station USGS_01197134 on three dates during September to October 2020 as part of a MassDEP funded project to evaluate 24 PFAS analytes in ambient water samples upstream and downstream of wastewater treatment facilities. The concentrations of six of the seven analytes with individual toxicity criteria (PFOA, PFOS, PFNA, PFHxS, PFBA, PFBS) were all less than the 90 ng/L (ppt) recreational screening value (HFPO-DA/GenX was not analyzed in this study).

#### USGS 2020 PFAS in Water Column Data Collected Upstream and Downstream of Wastewater Treatment Facilities (Savoie and Argue 2023) (MassDEP Undated 2)

[The  $\Sigma$ PFAS6 equals the sum of PFOA, PFOS, PFNA, PFHxS, PFDA, PFHpA (not all shown individually here). \* indicates the  $\Sigma$ PFAS6 concentration is qualified since data for one or more individual PFAS6 analytes were qualified. A concentration with a "<" was less than the reporting detection limit (RDL) and the RDL was used to calculate the  $\Sigma$ PFAS6. E = qualifier "value is estimated"; V = qualifier "value affected by field or laboratory contamination"]

Station Code	Sample Date	PFOA ng/L	PFOS ng/L	PFNA ng/L	PFHxS ng/L	PFBA ng/L	PFBS ng/L	$\Sigma$ PFAS6 ng/L
USGS-01197134	9/1/2020	2.99	2.63	E0.428	E0.588	2.08	E1.35	9.7*
USGS-01197134	9/23/2020	2.64	1.92	E0.415	E0.686	1.9	E1.11	8.8*
USGS-01197134	10/23/2020	E2.2	E1.81	E0.342	E0.526	E1.71	E1.25	8.0*

## Secondary Contact Recreation

2024 Impairment	Pollutant Y/N	2024 Source	Confirmed Y/N
Escherichia Coli (E. Coli)	YES	Source Unknown	NO

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for the Housatonic River (MA21-04) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added based on a re-evaluation of bacteria data not meeting the threshold at HVA\_WEB 400 and HVA\_HR 100. The prior Turbidity Alert is being removed and will be maintained under the Aesthetics Use.

HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in the Housatonic River (MA21-04) from 2002-2019 at 4 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_WEB 400 [W of Fairfield St (at the end of Fairfield St), Pittsfield] from Jun-Sep 2019 (n=6), HVA\_HR 100 [Confluence of E and W Branches, Pittsfield] from Jun-Sep 2019 (n=6), W1105 [Holmes Rd, Pittsfield] from 2002 and 2007 (n=5/yr), W1104 [New Lenox Rd, Lenox] from 2002 and 2007 (n=5/yr). Analysis of the single year limited frequency *E. coli* dataset from HVA\_WEB 400 indicated 71% of intervals had GMs >244 CFU/100ml, 2 samples exceeded the 794 CFU/100ml STV, and the overall GM was 409 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from HVA\_HR 100 indicated 100% of intervals had GMs >244 CFU/100ml, 1 sample exceeded the 794 CFU/100ml STV, and the overall GM was 369 CFU/100ml. *E. coli* data from HVA\_WEB 400 and HVA\_HR 100 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_HR 100	Housatonic Valley Association	Water Quality	Housatonic River	Confluence of East and West Branches, Pittsfield	42.433565	-73.250982
HVA_WEB 400	Housatonic Valley Association	Water Quality	West Branch of the Housatonic River	West of Fairfield Street (at the end of Fairfield Street), Pittsfield	42.437332	-73.260493
W1104	MassDEP	Water Quality	Housatonic River	[New Lenox Road, Lenox]	42.394038	-73.240401
W1105	MassDEP	Water Quality	Housatonic River	[Holmes Road, Pittsfield]	42.429922	-73.238756

## Bacteria Data

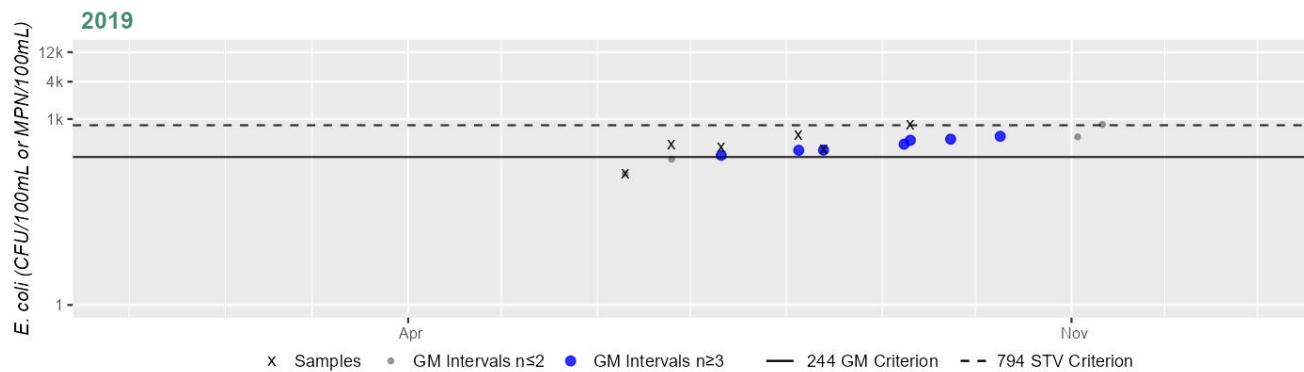
**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022)** (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_HR 100	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	131	816	369
HVA_WEB 400	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	110	2419	409
W1104	MassDEP	E. coli	05/22/02	09/25/02	5	110	250	134
W1104	MassDEP	E. coli	05/08/07	09/25/07	5	30	536	152
W1105	MassDEP	E. coli	05/22/02	09/25/02	5	160	1100	395
W1105	MassDEP	E. coli	05/08/07	09/25/07	5	16	416	132

### Station HVA\_HR 100 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	6
SeasGM	369
#GMI	7
#GMI Ex	7
%GMI Ex	100%
n>STV	1
%n>STV	16%

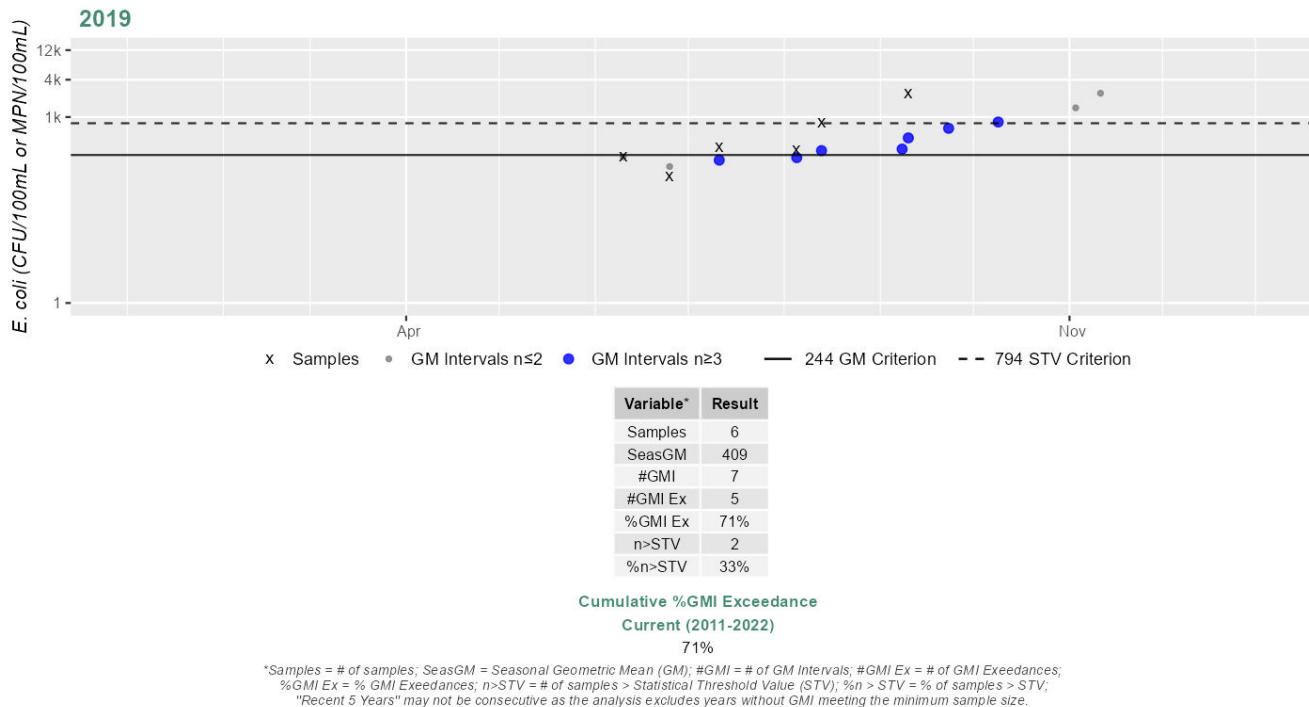
### Cumulative %GMI Exceedance Current (2011-2022)

100%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
%GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV;  
"Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

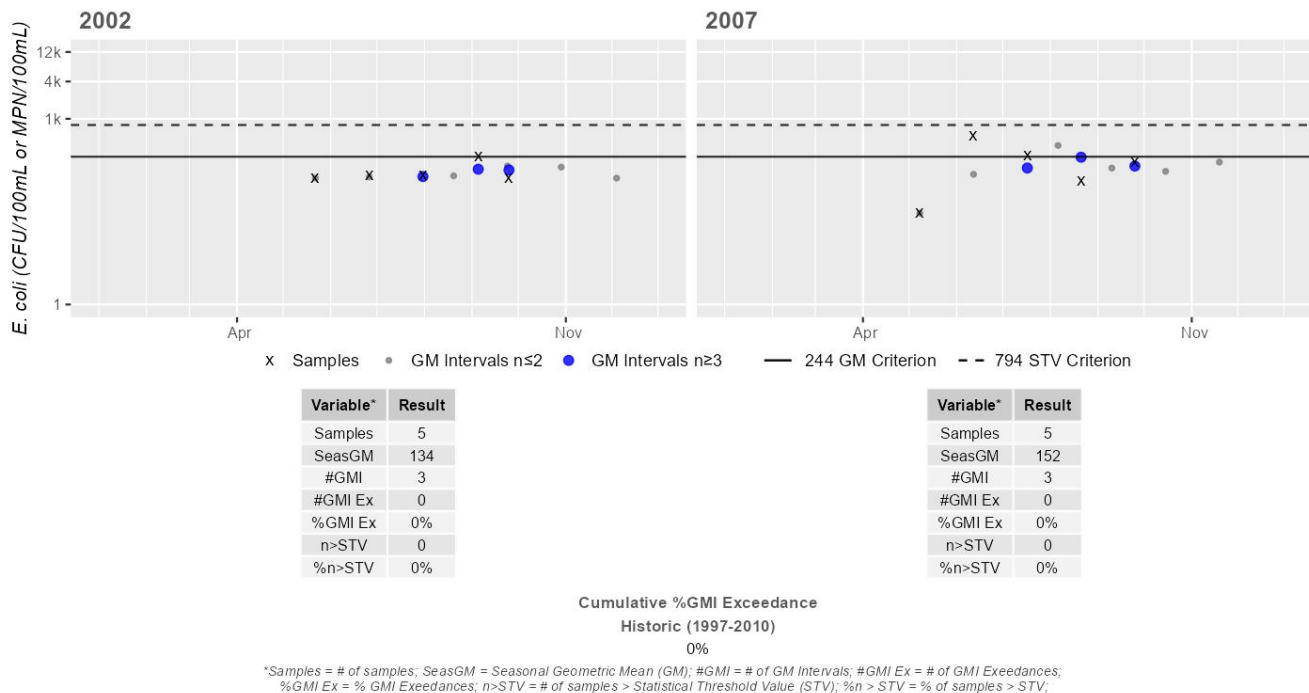
## Station HVA\_WEB 400 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



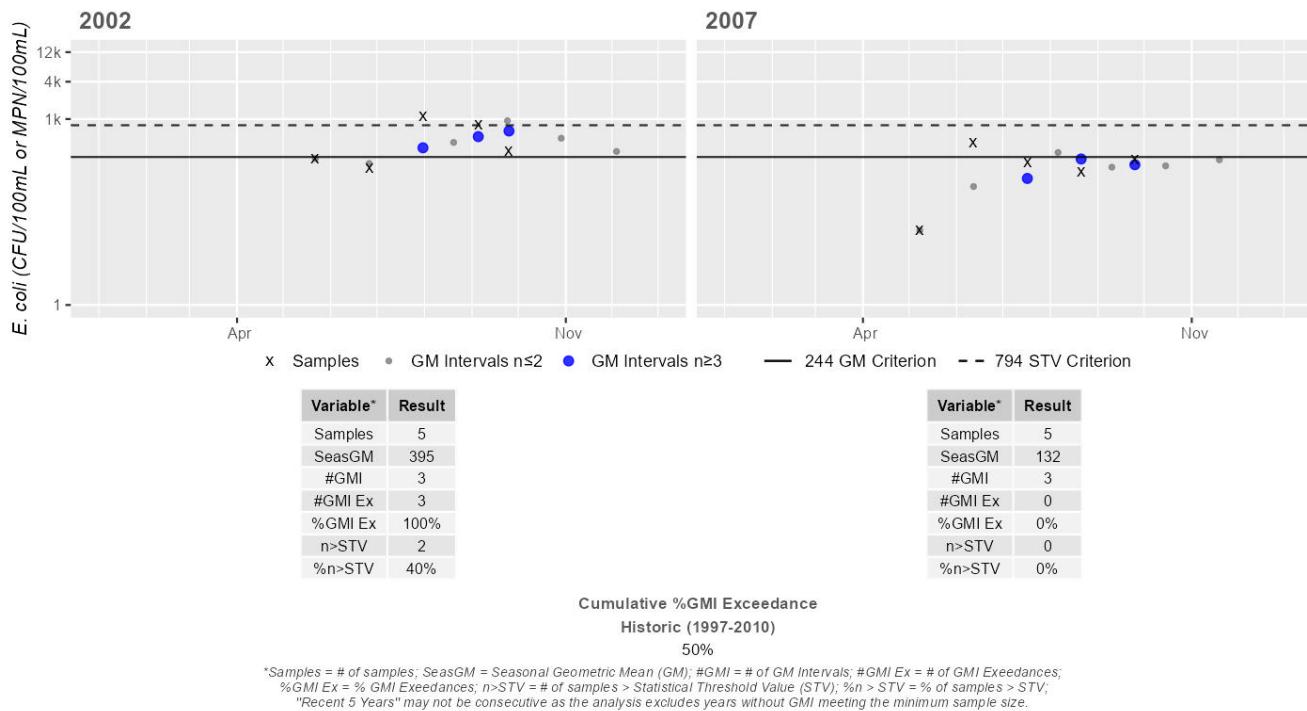
### Station MASSDEP W1104 - *Escherichia coli*

#### Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Station MASSDEP\_W1105 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



# Housatonic River (MA21-19)

<b>Location:</b>	Outlet of Woods Pond dam (NATID: MA00731), Lee/Lenox to the Risingdale Impoundment dam (NATID: MA00250), Great Barrington [through former 2006 segment: Risingdale Impoundment MA21121) (formerly part of 1998 segment: Housatonic River MA21-05).
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	19.9 MILES
<b>Classification/Qualifier:</b>	B: WWF

## Housatonic River (MA21-19)

Watershed Area: 281.23 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	281.23	12.14	83.24	2.42
Agriculture	3.9%	3.9%	3.1%	4%
Developed	11%	7.1%	9%	7.6%
Natural	76.6%	71.5%	72.2%	51.8%
Wetland	8.4%	17.5%	15.7%	36.6%
Impervious	4.4%	2.6%	3.7%	3.6%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Zebra Mussel, Dreissena Polymorph*)	--	Unchanged
5	5	Algae	--	Unchanged
5	5	Ambient Bioassays - Chronic Aquatic Toxicity	--	Unchanged
5	5	Fish Bioassessments	--	Unchanged
5	5	PCBs in Fish Tissue	--	Unchanged
5	5	PCBs in Sediment	--	Unchanged
5	5	Phosphorus, Total	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Zebra Mussel, Dreissena Polymorph*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Algae	Industrial Point Source Discharge (N)	--	--	X	X	X
Algae	Municipal Point Source Discharges (N)	--	--	X	X	X
Algae	Source Unknown (N)	--	--	X	X	X
Ambient Bioassays - Chronic Aquatic Toxicity	Source Unknown (N)	X	--	--	--	--
Fish Bioassessments	Dam or Impoundment (N)	X	--	--	--	--
PCBs in Fish Tissue	Illegal Dumps or Other Inappropriate Waste Disposal (Y)	X	X	--	--	--
PCBs in Sediment	Illegal Dumps or Other Inappropriate Waste Disposal (Y)	X	--	--	--	--
Phosphorus, Total	Industrial Point Source Discharge (N)	X	--	--	--	--
Phosphorus, Total	Municipal Point Source Discharges (N)	X	--	--	--	--
Phosphorus, Total	Non-Point Source (N)	X	--	--	--	--
Phosphorus, Total	Source Unknown (N)	X	--	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No
<b>2024/26 Use Attainment Summary</b>	

The Fish Consumption Use for Housatonic River (MA21-19) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue impairment is being carried forward. DPH included a site-specific advisory for Housatonic River in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

## Aesthetic

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

No new data are available to evaluate the Aesthetics Use for this Housatonic River AU (MA21-19). The Aesthetics Use continues to be assessed as Not Supporting with the Algae impairment being carried forward.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for the Housatonic River (MA21-19) are available, so the Primary Contact Recreation Use continues to be assessed as Not Supporting. The prior Algae impairment (from the Aesthetics Use) is being carried forward.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for the Housatonic River (MA21-19) continues to be assessed as Not Supporting. The prior Algae impairment (from the Aesthetics Use) is being carried forward. MassDEP staff collected *E. coli* bacteria samples in the Housatonic River (MA21-19) from 2002-2007 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: W1103 [~360 ft upstream of Valley St, Lenox] from 2002 and 2007 (n=5/yr), W1102 [~3300 ft downstream of Rt. 102 bridge beneath the most downstream high tension line, Lee (~300 ft downstream of the Lee WWTP (MA0100153) discharge)] from 2002 and 2007 (n=5/yr), W1101 [upstream of railroad bridge E of Rt. 183, Stockbridge] from 2002 and 2007 (n=5/yr). Historic *E. coli* data from W1103, W1102, and W1101 meet 2024 CALM guidance. Since these data were collected prior to the current IR window (2011-2022) the Secondary Contact Recreation Use cannot be positively assessed using bacteria data.

### **Monitoring Stations**

<b>Station Code</b>	<b>Organization</b>	<b>Type</b>	<b>Water Body</b>	<b>Station Description</b>	<b>Latitude</b>	<b>Longitude</b>
W1101	MassDEP	Water Quality	Housatonic River	[upstream of railroad bridge east of Route 183, Stockbridge]	42.275594	-73.359742
W1102	MassDEP	Water Quality	Housatonic River	[approximately 3300 feet downstream of Route 102 bridge beneath the most downstream high tension line, Lee (approximately 300 feet downstream of the Lee WWTP (MA0100153) discharge)]	42.284636	-73.240011
W1103	MassDEP	Water Quality	Housatonic River	[approximately 360 feet upstream of Valley Street, Lenox]	42.344703	-73.245532

### **Bacteria Data**

#### **Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)**

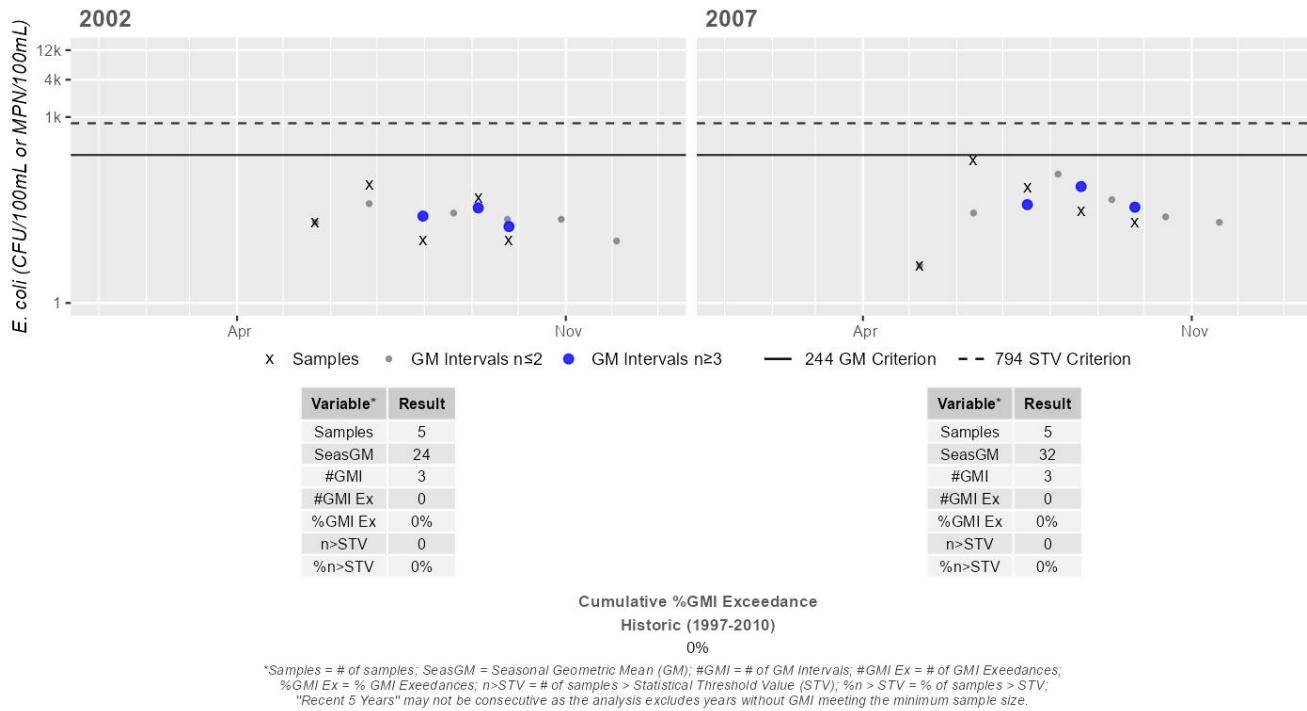
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

<b>Station Code</b>	<b>Organization</b>	<b>Indicator</b>	<b>Start Date</b>	<b>End Date</b>	<b>Sample Count</b>	<b>Minimum Sample Result</b>	<b>Maximum Sample Result</b>	<b>Seasonal Geometric Mean</b>
W1101	MassDEP	<i>E. coli</i>	05/22/02	09/25/02	5	10	80	24
W1101	MassDEP	<i>E. coli</i>	05/08/07	09/25/07	5	4	200	32
W1102	MassDEP	<i>E. coli</i>	05/22/02	09/25/02	5	70	20000	842
W1102	MassDEP	<i>E. coli</i>	05/08/07	09/25/07	5	2	120	40
W1103	MassDEP	<i>E. coli</i>	05/22/02	09/25/02	5	20	140	38
W1103	MassDEP	<i>E. coli</i>	05/08/07	09/25/07	5	4	80	34

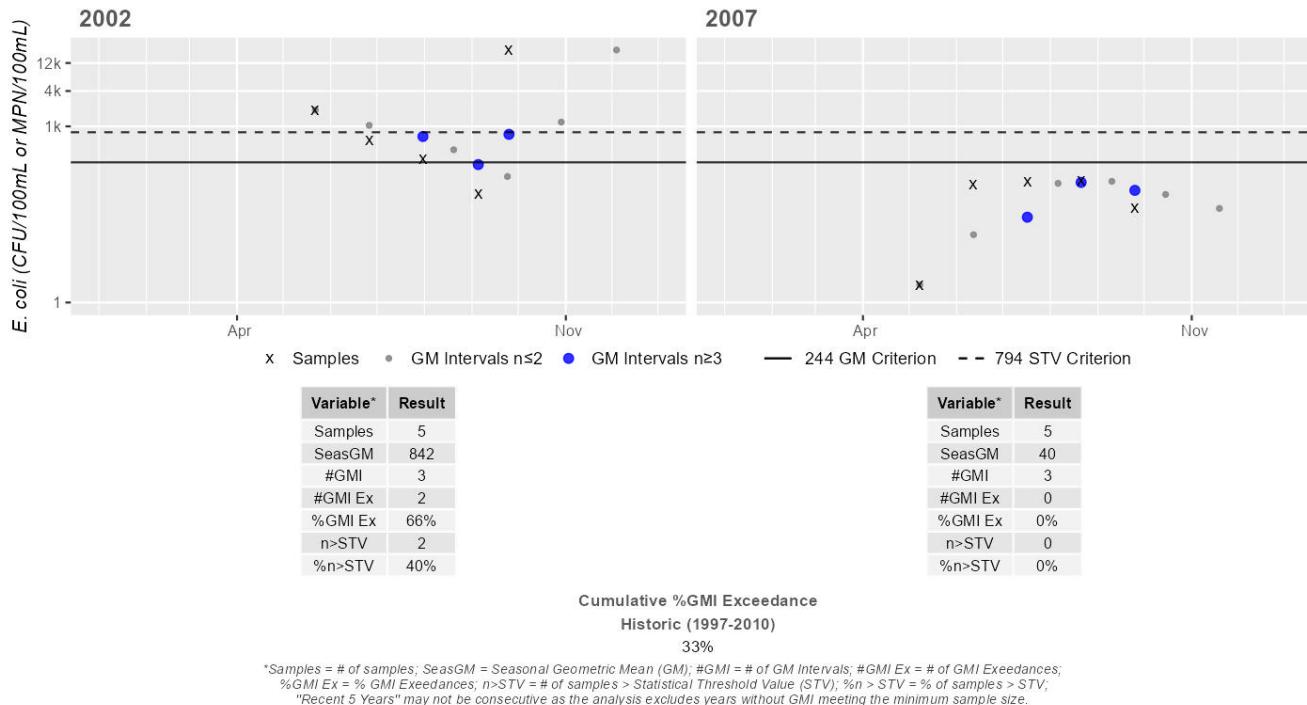
### Station MASSDEP\_W1101 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



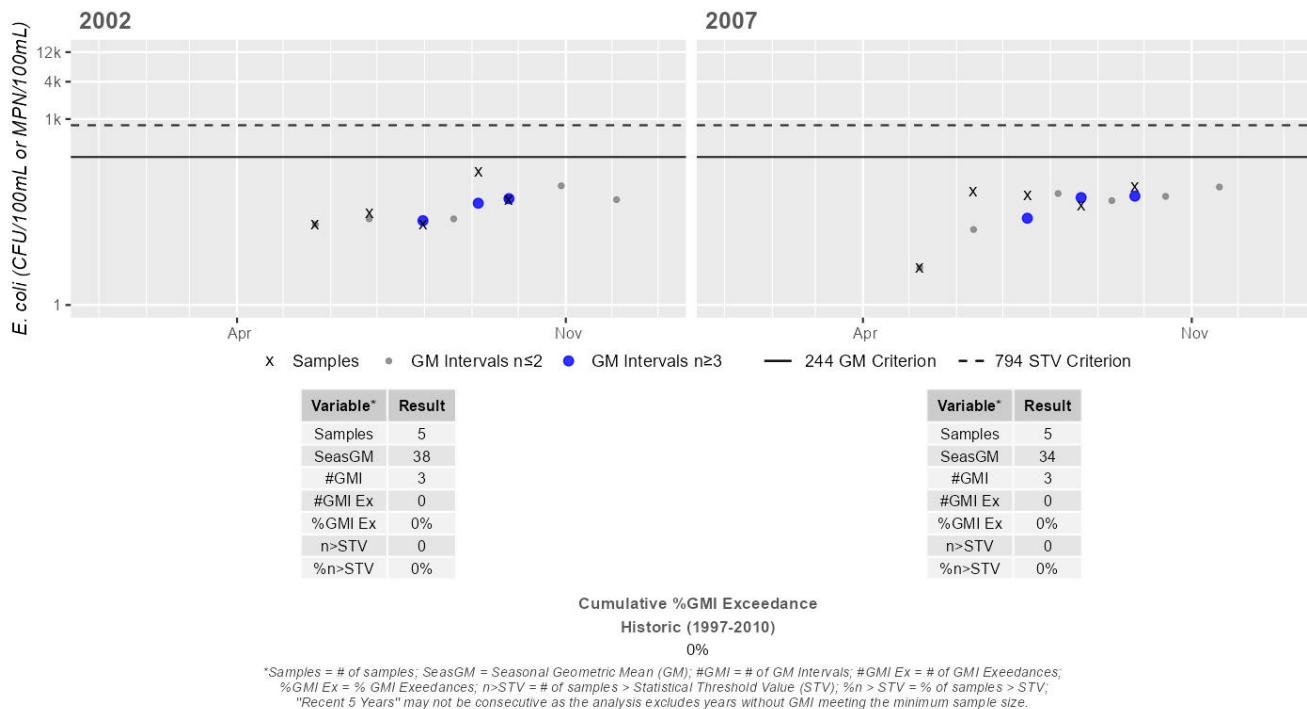
### Station MASSDEP\_W1102 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



**Station MASSDEP\_W1103 - *Escherichia coli***

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

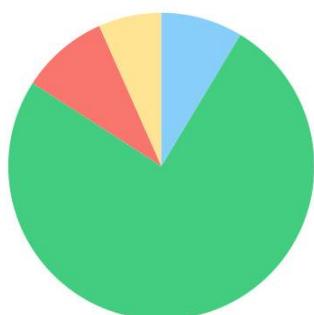


# Housatonic River (MA21-20)

<b>Location:</b>	Outlet of Risingdale Impoundment dam (NATID: MA00250), Great Barrington to the MA/CT border, Sheffield (formerly part of 1998 segment: Housatonic River MA21-05).
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	23.1 MILES
<b>Classification/Qualifier:</b>	B: WWF

## Housatonic River (MA21-20)

Watershed Area: 536.01 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area* (square miles)	488.45	15.06	132.22	3.07
Agriculture	6.7%	25.1%	5.5%	28.7%
Developed	9.2%	8.6%	8.1%	4.3%
Natural	75.5%	52.6%	70.1%	45.6%
Wetland	8.6%	13.8%	16.3%	21.3%
Impervious	3.6%	2.8%	3.3%	1.7%

\*Land cover analysis only includes watershed area within Massachusetts.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Zebra Mussel, Dreissena Polymorph*)	--	Unchanged
5	5	Escherichia Coli (E. Coli)	--	Added
5	5	PCBs in Fish Tissue	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Zebra Mussel, Dreissena Polymorph*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	--
PCBs in Fish Tissue	Illegal Dumps or Other Inappropriate Waste Disposal (Y)	X	X	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

2024/26 Use Attainment Summary
The Fish Consumption Use for Housatonic River (MA21-20) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue impairment is being carried forward. DPH included a site-specific advisory for Housatonic River in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

### Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
There are no data available to assess the status of the Aesthetics Use for Housatonic River (MA21-20), so it is Not Assessed.

### Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the Housatonic River (MA21-20) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_HR900 and USGS-01198125.

HVA and USGS staff/volunteers collected *E. coli* bacteria samples in the Housatonic River (MA21-20) from 2011-2022 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_HR800 [upstream of Division St Bridge (at the Division St access), Great Barrington] from Jun-Sep 2020 (n=8), HVA\_HR900 [upstream of Brookside Rd Bridge (E of the bridge). Great Barrington] from Jun-Sep 2020 (n=8), USGS-01198125 [Housatonic River Near Ashley Falls, Ma] from 2011-2014 and 2017-2022 (n=4-6/yr). Analysis of the single year moderate frequency *E. coli* dataset from HVA\_HR800 indicated 36% of intervals had GMs >126 CFU/100ml and 1 sample exceeded the 410 CFU/100ml STV. Analysis of the single year moderate frequency *E. coli* dataset from HVA\_HR900 indicated 90% of intervals had GMs >126 CFU/100ml and 3 samples exceeded the 410 CFU/100ml STV. Analysis of the recent five years of this multi-year limited frequency *E. coli* dataset from USGS-01198125 indicated 3 out of 5 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2020-2022, 33-100%), 1 yr had ≥2 samples exceed the 410 CFU/100ml STV (2022, n=2), and cumulatively across years 40% of intervals had GMs >126 CFU/100ml. While *E. coli* data from HVA\_HR800 meet 2024 CALM guidance, *E. coli* data from HVA\_HR900 and USGS-01198125 are indicative of an *E. coli* impairment.

Surface water sampling was conducted by the USGS on the Housatonic River (MA21-20) at station USGS\_01197500 near Great Barrington, MA on three dates during August to October 2020 as part of a MassDEP funded project to evaluate 24 PFAS analytes in ambient water samples upstream and downstream of wastewater treatment facilities (however, this station was not associated with a WWTF). The concentrations of six of the seven analytes with individual toxicity criteria (PFOA, PFOS, PFNA, PFHxS, PFBA, PFBS) were all less than the 90 ng/L (ppt) recreational screening value (HFPO-DA/GenX was not analyzed in this study).

### **Monitoring Stations**

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_HR800	Housatonic Valley Association	Water Quality	Housatonic River	Upstream of Division Street Bridge (at the Division Street access), Great Barrington	42.232237	-73.355055
HVA_HR900	Housatonic Valley Association	Water Quality	Housatonic River	Upstream of Brookside Road Bridge (east of the bridge). Great Barrington	42.176139	-73.358925
USGS-01198125	USGS Connecticut Water Science Center	Water Quality	Housatonic River	Housatonic River Near Ashley Falls, MA	42.074814	-73.333449
USGS-01197500	USGS Massachusetts Water Science Center	Water Quality	Housatonic River	HOUSATONIC RIVER NEAR GREAT BARRINGTON, MA; no WWTF	42.232000	-73.355000

### **Bacteria Data**

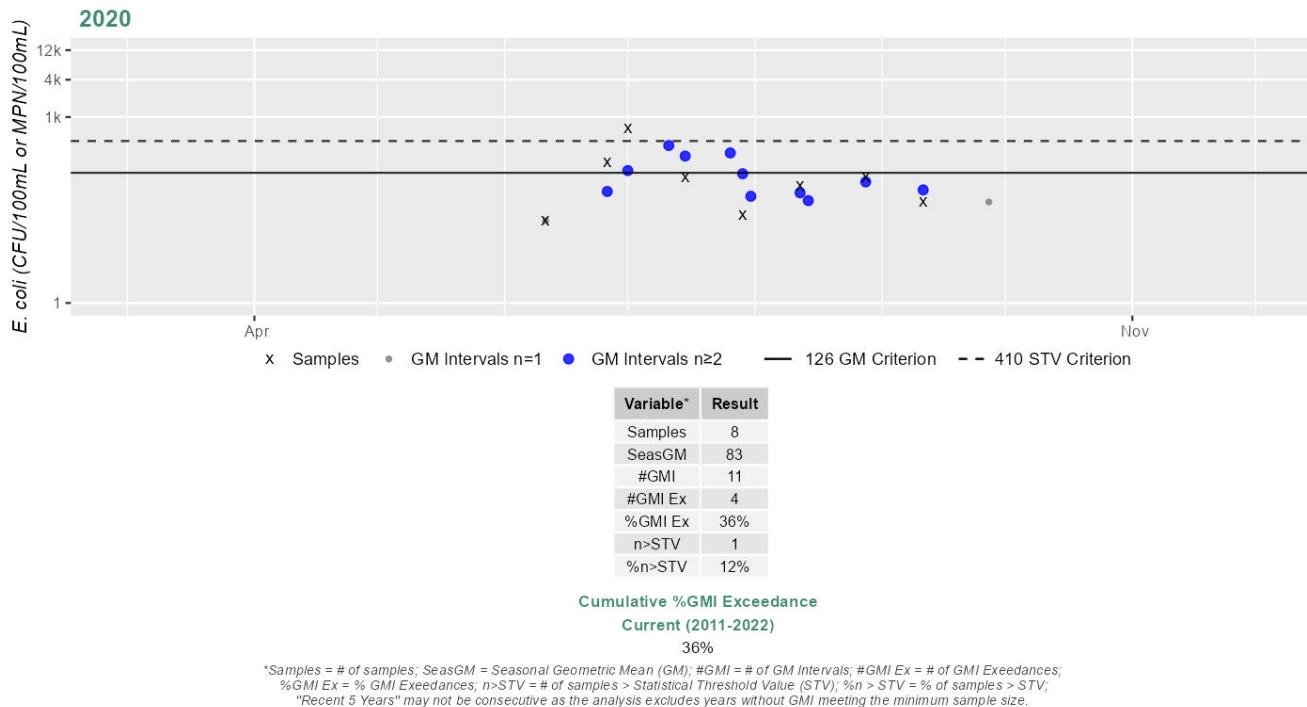
**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (30-day Interval Analysis) (HVA 2022) (MassDEP Undated 2) (USGS 2024) (MassDEP Undated 2)**

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_HR800	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	21	648	83
HVA_HR900	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	33	686	144
USGS-01198125	USGS Connecticut Water Science Center	E. coli	05/23/11	09/19/11	5	52	310	100
USGS-01198125	USGS Connecticut Water Science Center	E. coli	05/15/12	09/12/12	5	43	120	75
USGS-01198125	USGS Connecticut Water Science Center	E. coli	05/01/13	09/24/13	5	13	1000	98
USGS-01198125	USGS Connecticut Water Science Center	E. coli	05/28/14	09/11/14	5	29	2400	223
USGS-01198125	USGS Connecticut Water Science Center	E. coli	05/15/17	09/27/17	5	40	460	110
USGS-01198125	USGS Connecticut Water Science Center	E. coli	05/24/18	09/25/18	5	27	140	56
USGS-01198125	USGS Connecticut Water Science Center	E. coli	05/06/19	09/12/19	4	38	100	55
USGS-01198125	USGS Connecticut Water Science Center	E. coli	05/29/20	09/17/20	5	43	1200	99
USGS-01198125	USGS Connecticut Water Science Center	E. coli	05/10/21	09/13/21	5	62	1700	233
USGS-01198125	USGS Connecticut Water Science Center	E. coli	04/12/22	09/12/22	6	36	1000	133

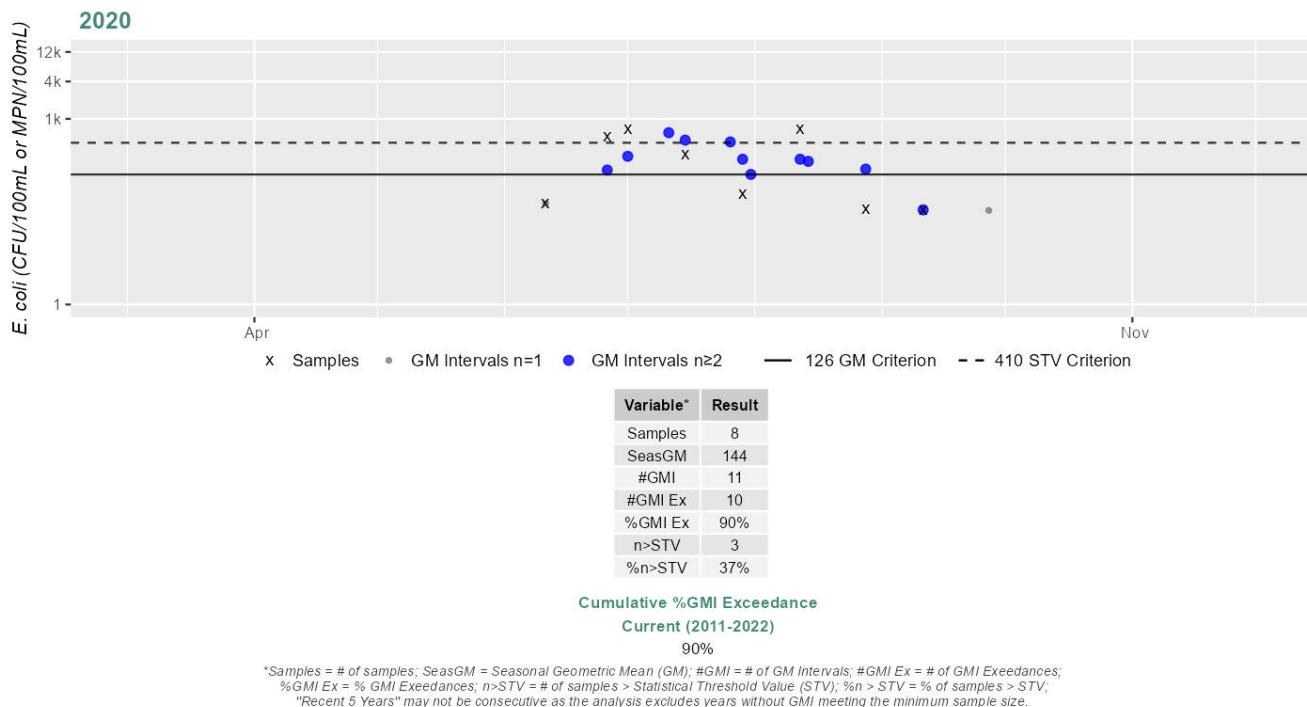
### Station HVA\_HR800 - *Escherichia coli*

Daily Maximum Samples & 30 Day Geometric Means within the Primary Contact Recreation Season



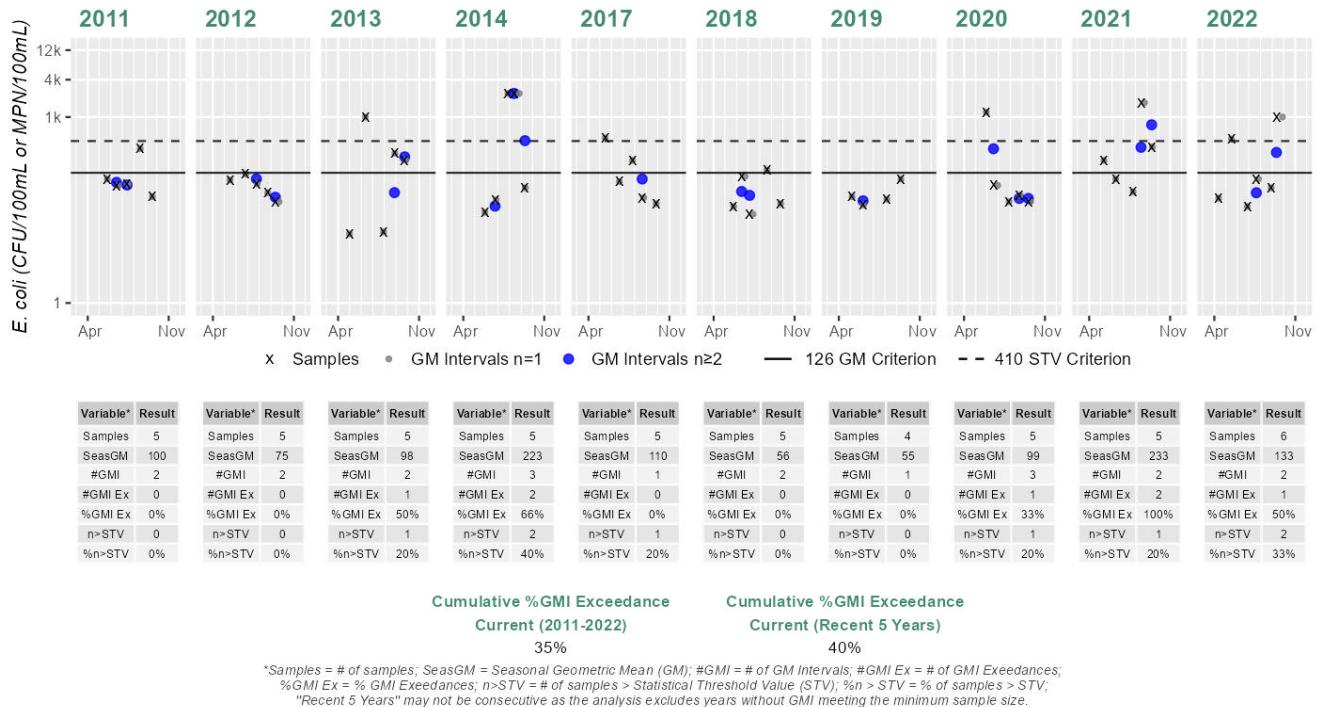
### Station HVA\_HR900 - *Escherichia coli*

Daily Maximum Samples & 30 Day Geometric Means within the Primary Contact Recreation Season



### Station USGS-01198125 - *Escherichia coli*

Daily Maximum Samples & 30 Day Geometric Means within the Primary Contact Recreation Season



### Other Indicators

#### Summary Statement(s) for USGS 2020 PFAS in Water Column Data (Savoie and Argue 2023) (MassDEP Undated 2)

##### Summary

Surface water sampling was conducted by the USGS on the Housatonic River (MA21-20) at station USGS\_01197500 near Great Barrington, MA on three dates during August to October 2020 as part of a MassDEP funded project to evaluate 24 PFAS analytes in ambient water samples upstream and downstream of wastewater treatment facilities (however, this station was not associated with a WWTF). The concentrations of six of the seven analytes with individual toxicity criteria (PFOA, PFOS, PFNA, PFHxS, PFBA, PFBS) were all less than the 90 ng/L (ppt) recreational screening value (HFPO-DA/GenX was not analyzed in this study).

#### USGS 2020 PFAS in Water Column Data Collected Upstream and Downstream of Wastewater Treatment Facilities (Savoie and Argue 2023) (MassDEP Undated 2)

[The  $\Sigma$ PFAS6 equals the sum of PFOA, PFOS, PFNA, PFHxS, PFDA, PFHpA (not all shown individually here). \* indicates the  $\Sigma$ PFAS6 concentration is qualified since data for one or more individual PFAS6 analytes were qualified. A concentration with a "<" was less than the reporting detection limit (RDL) and the RDL was used to calculate the  $\Sigma$ PFAS6. E = qualifier "value is estimated"; V = qualifier "value affected by field or laboratory contamination"]

Station Code	Sample Date	PFOA ng/L	PFOS ng/L	PFNA ng/L	PFHxS ng/L	PFBA ng/L	PFBS ng/L	$\Sigma$ PFAS6 ng/L
USGS-01197500	8/20/2020	2.9	2.7	E0.649	E0.754	2.84	E1.16	10.4*
USGS-01197500	9/16/2020	2.86	2.71	E0.454	E0.51	2.33	E1.12	9.9*
USGS-01197500	10/23/2020	E1.72	E1.99	E0.377	<1.87	E1.09	E0.81	8.8*

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
<p>The Secondary Contact Recreation Use for the Housatonic River (MA21-20) continues to be assessed as Fully Supporting. HVA, MassDEP, and USGS staff/volunteers collected <i>E. coli</i> bacteria samples in both the historic (1997-2010) &amp; the current IR window (2011-2022) in the Housatonic River (MA21-20) from 2002-2022 at 6 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA_HR800 [upstream of Division St Bridge (at the Division St access), Great Barrington] from Jun-Sep 2020 (n=8), W1100 [Division St at USGS flow gaging station #01197500, Great Barrington] from 2002 and 2007 (n=5/yr), HVA_HR900 [upstream of Brookside Rd Bridge (E of the bridge). Great Barrington] from Jun-Sep 2020 (n=8), W1099 [Kellogg Rd, Sheffield] from 2002 and 2007 (n=5/yr), USGS-01198125 [Housatonic River Near Ashley Falls, Ma] from 2002-2010 (historic n=1-8/yr) and 2011-2014 and 2016-2022 (current n=1-9/yr), W1566 [Rannapo Rd, Sheffield] from May-Sep 2007 (n=5). Current <i>E. coli</i> data from HVA_HR800, HVA_HR900, and USGS-01198125 meet 2024 CALM guidance.</p>

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_HR800	Housatonic Valley Association	Water Quality	Housatonic River	Upstream of Division Street Bridge (at the Division Street access), Great Barrington	42.232237	-73.355055
HVA_HR900	Housatonic Valley Association	Water Quality	Housatonic River	Upstream of Brookside Road Bridge (east of the bridge). Great Barrington	42.176139	-73.358925
W1099	MassDEP	Water Quality	Housatonic River	[Kellogg Road, Sheffield]	42.143953	-73.359770
W1100	MassDEP	Water Quality	Housatonic River	[Division Street at USGS flow gaging station #01197500, Great Barrington]	42.231769	-73.354869
W1566	MassDEP	Water Quality	Housatonic River	[Rannapo Road, Sheffield]	42.058738	-73.348730
USGS-01198125	USGS Connecticut Water Science Center	Water Quality	Housatonic River	Housatonic River Near Ashley Falls, MA	42.074814	-73.333449

## Bacteria Data

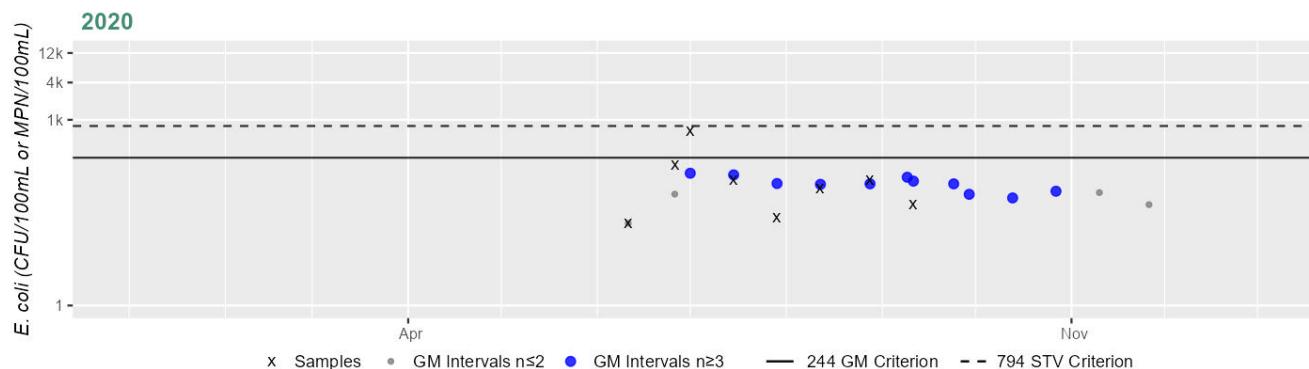
**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3) (USGS 2024) (MassDEP Undated 1)**  
 [Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_HR800	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	21	648	83
HVA_HR900	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	33	686	144
W1099	MassDEP	E. coli	05/22/02	09/25/02	5	10	180	41
W1099	MassDEP	E. coli	05/08/07	09/25/07	5	8	150	57
W1100	MassDEP	E. coli	05/22/02	09/25/02	5	10	40	18
W1100	MassDEP	E. coli	05/08/07	09/25/07	5	2	60	20
W1566	MassDEP	E. coli	05/08/07	09/25/07	5	4	150	40
USGS-01198125	USGS Connecticut Water Science Center	E. coli	11/14/02	11/14/02	1	20	20	19
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/09/03	11/17/03	8	32	640	101
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/12/04	11/01/04	8	39	110	66
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/05/05	11/30/05	8	7	2100	84
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/17/06	11/07/06	8	7	880	115
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/30/07	11/19/07	8	10	170	69
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/08/08	11/05/08	8	34	2400	323
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/09/09	11/12/09	8	18	2400	125
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/19/10	11/01/10	8	16	460	47
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/06/11	11/08/11	8	29	310	78
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/25/12	11/15/12	8	42	150	81
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/02/13	11/25/13	8	13	1000	84
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/15/14	09/11/14	7	29	2400	224

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
USGS-01198125	USGS Connecticut Water Science Center	E. coli	11/17/16	11/17/16	1	190	190	190
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/12/17	09/27/17	6	40	460	124
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/24/18	11/26/18	8	27	480	84
USGS-01198125	USGS Connecticut Water Science Center	E. coli	05/06/19	11/14/19	5	30	100	48
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/08/20	11/09/20	8	33	1200	86
USGS-01198125	USGS Connecticut Water Science Center	E. coli	03/18/21	09/13/21	6	62	1700	231
USGS-01198125	USGS Connecticut Water Science Center	E. coli	01/27/22	11/01/22	9	36	1000	192

### Station HVA\_HR800 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



#### Variable\* Result

Variable*	Result
Samples	8
SeasGM	83
#GMI	11
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

#### Cumulative %GMI Exceedance

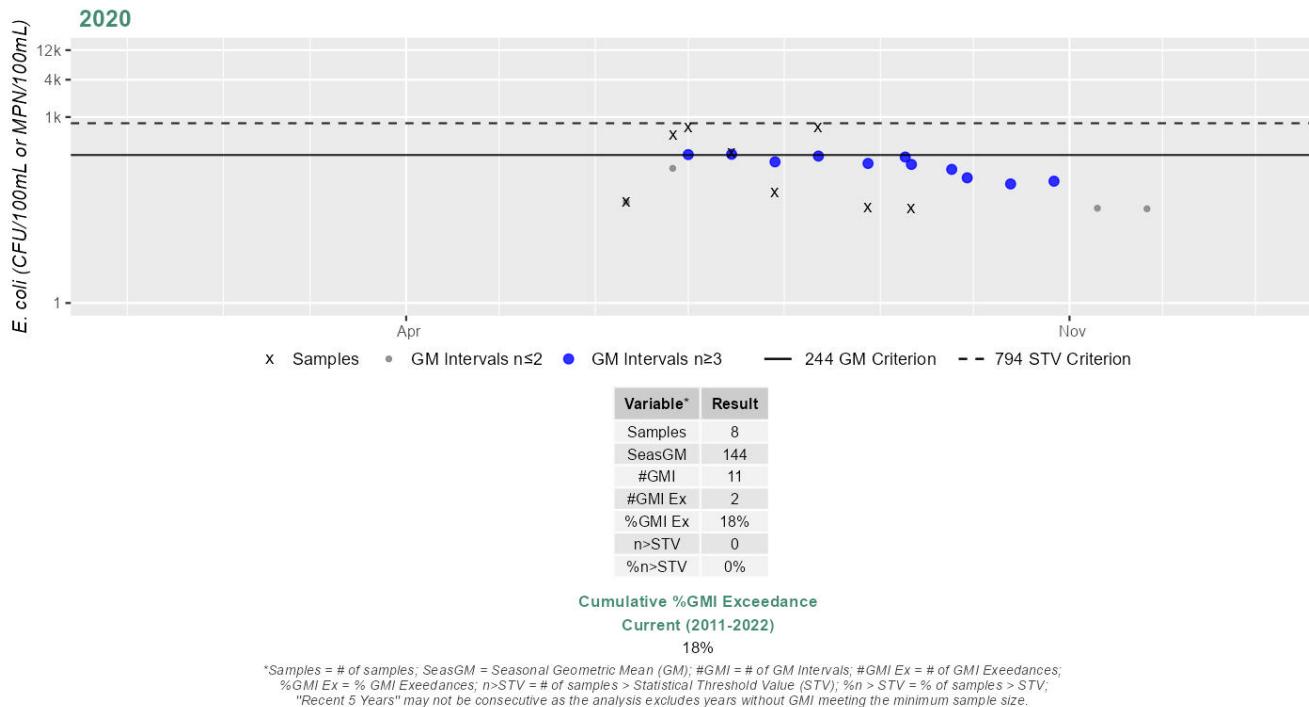
Current (2011-2022)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

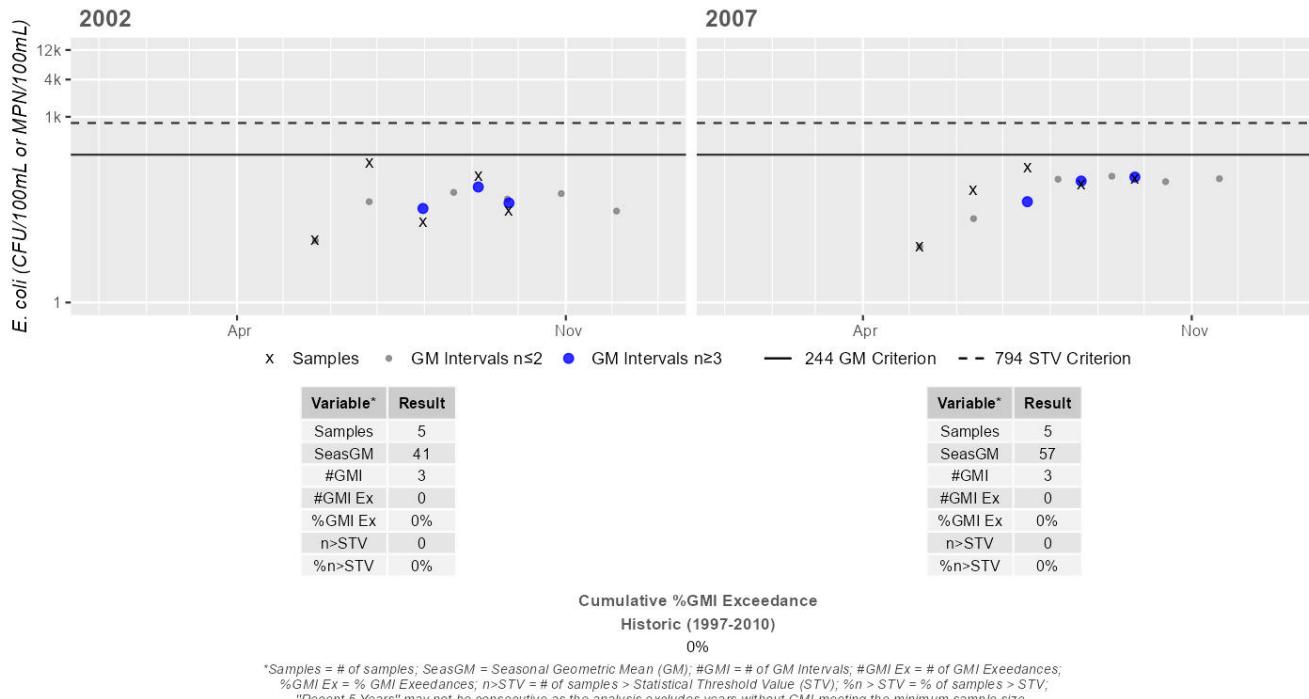
## Station HVA\_HR900 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



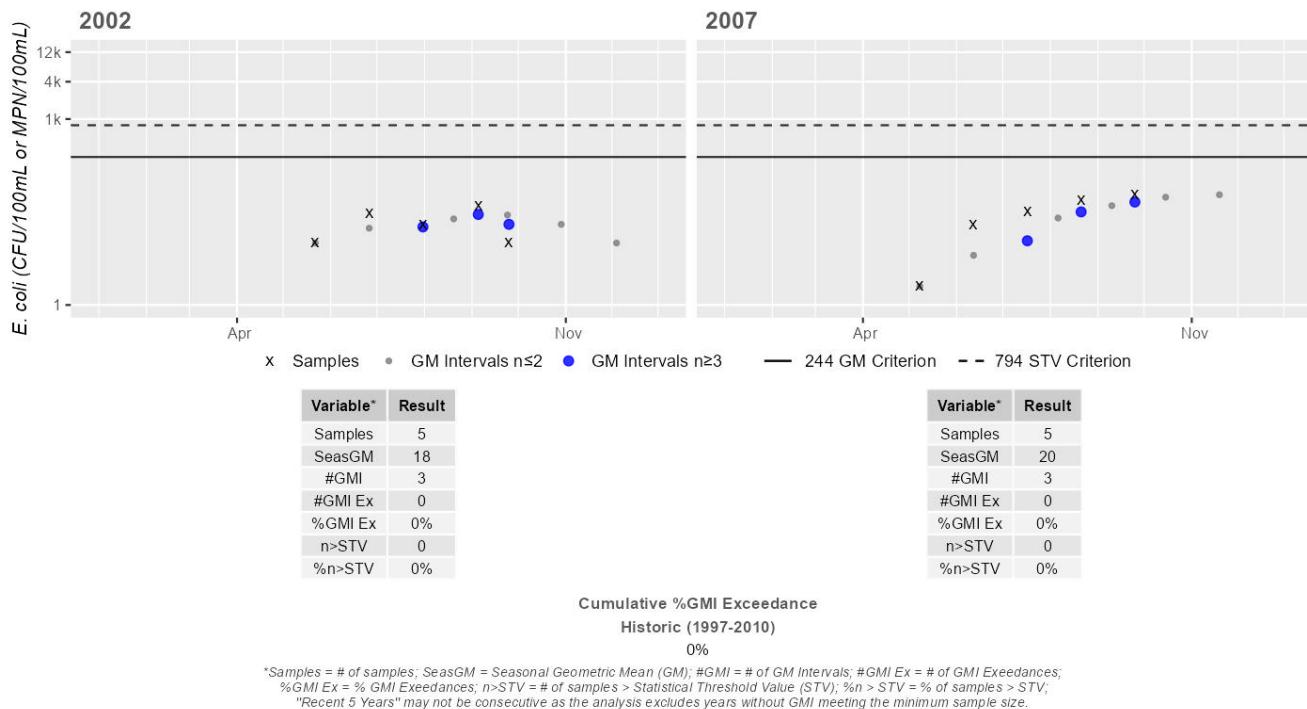
### Station MASSDEP\_W1099 - *Escherichia coli*

#### Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



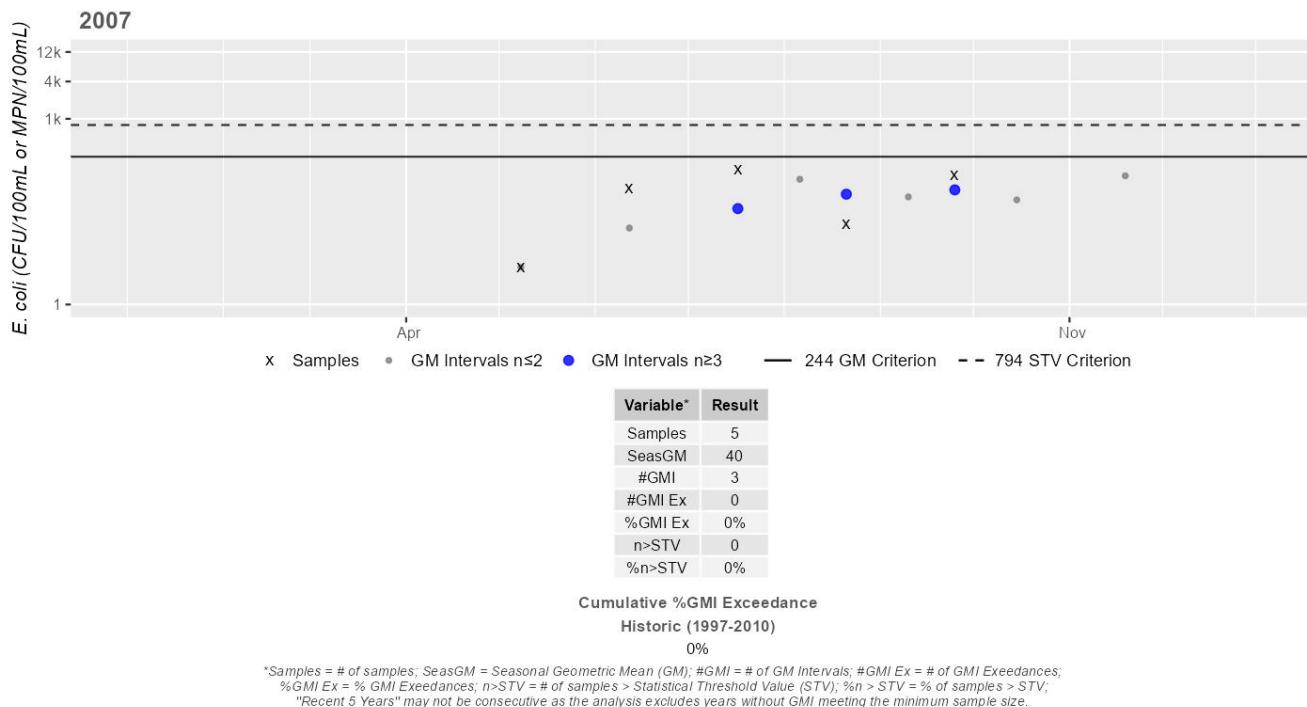
### Station MASSDEP\_W1100 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



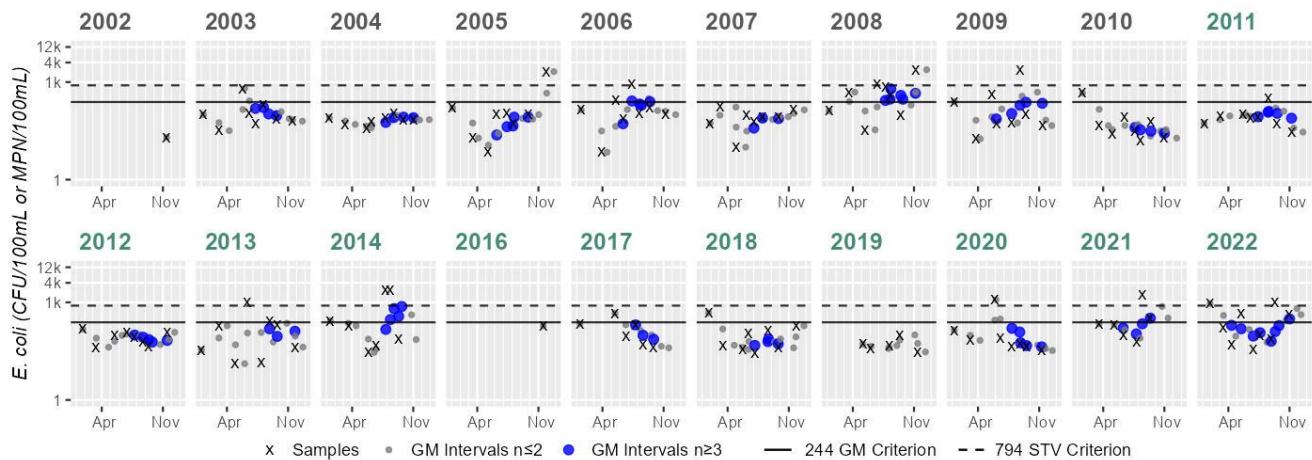
### Station MASSDEP\_W1566 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Station USGS-01198125 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



| Variable* Result |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Samples 1        | Samples 8        |
| SeasGM 20        | SeasGM 101       | SeasGM 66        | SeasGM 84        | SeasGM 115       | SeasGM 69        | SeasGM 323       | SeasGM 125       | SeasGM 47        | SeasGM 78        | SeasGM 78        |
| #GMI 0           | #GMI 4           | #GMI 4           | #GMI 5           | #GMI 5           | #GMI 3           | #GMI 6           | #GMI 5           | #GMI 4           | #GMI 5           | #GMI 5           |
| #GMI Ex 0        | #GMI Ex 0        | #GMI Ex 0        | #GMI Ex 0        | #GMI Ex 2        | #GMI Ex 0        | #GMI Ex 6        | #GMI Ex 6        | #GMI Ex 0        | #GMI Ex 0        | #GMI Ex 0        |
| %GMI Ex 0%       | %GMI Ex 0%       | %GMI Ex 0%       | %GMI Ex 40%      | %GMI Ex 0%       | %GMI Ex 100%     | %GMI Ex 0%       |
| n>STV 0          | n>STV 0          | n>STV 1          | n>STV 1          | n>STV 0          | n>STV 0          | n>STV 2          | n>STV 1          | n>STV 0          | n>STV 0          | n>STV 0          |
| %n>STV 0%        | %n>STV 0%        | %n>STV 12%       | %n>STV 12%       | %n>STV 0%        | %n>STV 25%       | %n>STV 12%       | %n>STV 0%        | %n>STV 0%        | %n>STV 0%        | %n>STV 0%        |

| Variable* Result |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Samples 8        | Samples 8        | Samples 7        | Samples 1        | Samples 6        | Samples 8        | Samples 5        | Samples 8        | Samples 6        | Samples 9        | Samples 9        |
| SeasGM 81        | SeasGM 84        | SeasGM 224       | SeasGM 190       | SeasGM 124       | SeasGM 84        | SeasGM 48        | SeasGM 86        | SeasGM 231       | SeasGM 192       | SeasGM 192       |
| #GMI 5           | #GMI 3           | #GMI 5           | #GMI 0           | #GMI 3           | #GMI 4           | #GMI 0           | #GMI 0           | #GMI 4           | #GMI 8           | #GMI 8           |
| #GMI Ex 0        | #GMI Ex 0        | #GMI Ex 4        | #GMI Ex 0        | #GMI Ex 1        | #GMI Ex 1        | #GMI Ex 1        |
| %GMI Ex 0%       | %GMI Ex 0%       | %GMI Ex 80%      | %GMI Ex 0%       | %GMI Ex 25%      | %GMI Ex 12%      | %GMI Ex 12%      |
| n>STV 0          | n>STV 1          | n>STV 2          | n>STV 0          | n>STV 1          | n>STV 2          | n>STV 2          |
| %n>STV 0%        | %n>STV 12%       | %n>STV 28%       | %n>STV 0%        | %n>STV 12%       | %n>STV 16%       | %n>STV 22%       |

Cumulative %GMI Exceedance      Cumulative %GMI Exceedance      Cumulative %GMI Exceedance      Cumulative %GMI Exceedance  
 Historic (1997-2010)      Historic (Recent 5 Years)      Current (2011-2022)      Current (Recent 5 Years)  
 22%      34%      14%      8%

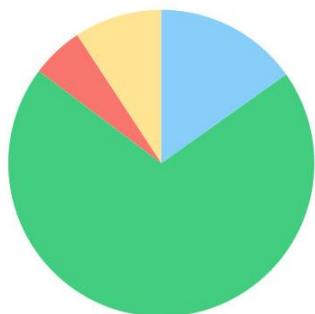
\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
 %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n>STV = % of samples > STV;  
 "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Hubbard Brook (MA21-15)

<b>Location:</b>	Headwaters, northwest of Townhouse Hill Road, Egremont to mouth at confluence with the Housatonic River, Sheffield (through former 2006 segment: Mill Pond MA21068).
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	9.4 MILES
<b>Classification/Qualifier:</b>	B: CWF, HQW

### Hubbard Brook (MA21-15)

Watershed Area: 50.26 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area* (square miles)	41.87	8.37	9.93	2.36
Agriculture	9.3%	9.5%	6%	6.7%
Developed	5.5%	7%	5.6%	5.2%
Natural	70.1%	54.5%	62.4%	51.5%
Wetland	15.2%	29.1%	26%	36.6%
Impervious	1.9%	2.5%	2%	2.2%

\*Land cover analysis only includes watershed area within Massachusetts.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Curly-leaf Pondweed*)	--	Unchanged
5	5	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged
5	5	(Water Chestnut*)	--	Unchanged
5	5	<i>Escherichia Coli</i> (E. Coli)	--	Added
5	5	Lack of a Coldwater Assemblage	--	Unchanged
5	5	Temperature	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Curly-leaf Pondweed*)	Introduction of Non-native Organisms (Accidental or Intentional) (N)	X	--	--	--	--
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (N)	X	--	--	--	--
(Water Chestnut*)	Introduction of Non-native Organisms (Accidental or Intentional) (N)	X	--	--	--	--
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X
Lack of a Coldwater Assemblage	Source Unknown (N)	X	--	--	--	--
Temperature	Source Unknown (N)	X	--	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Hubbard Brook (MA21-15) is Not Assessed.

### Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Hubbard Brook (MA21-15), so it is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Hubbard Brook (MA21-15) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_HBB500. HVA staff/volunteers collected *E. coli* bacteria samples in Hubbard Brook (MA21-15) at HVA\_HBB500 [Sheffield-Egremont Rd] from 2021-2022 (n=6-8/yr). Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_HBB500 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2021 and 2022, 100 & 100%), 2 yrs had ≥2 samples exceed the 410 CFU/100ml STV (2021 and 2022, n=2 & 4), and cumulatively across years 100% of intervals had GMs >126 CFU/100ml. *E. coli* data from HVA\_HBB500 are indicative of an *E. coli* impairment.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_HBB500	Housatonic Valley Association	Water Quality	Hubbard Brook	Sheffield-Egremont Road	42.149556	-73.391032

### Bacteria Data

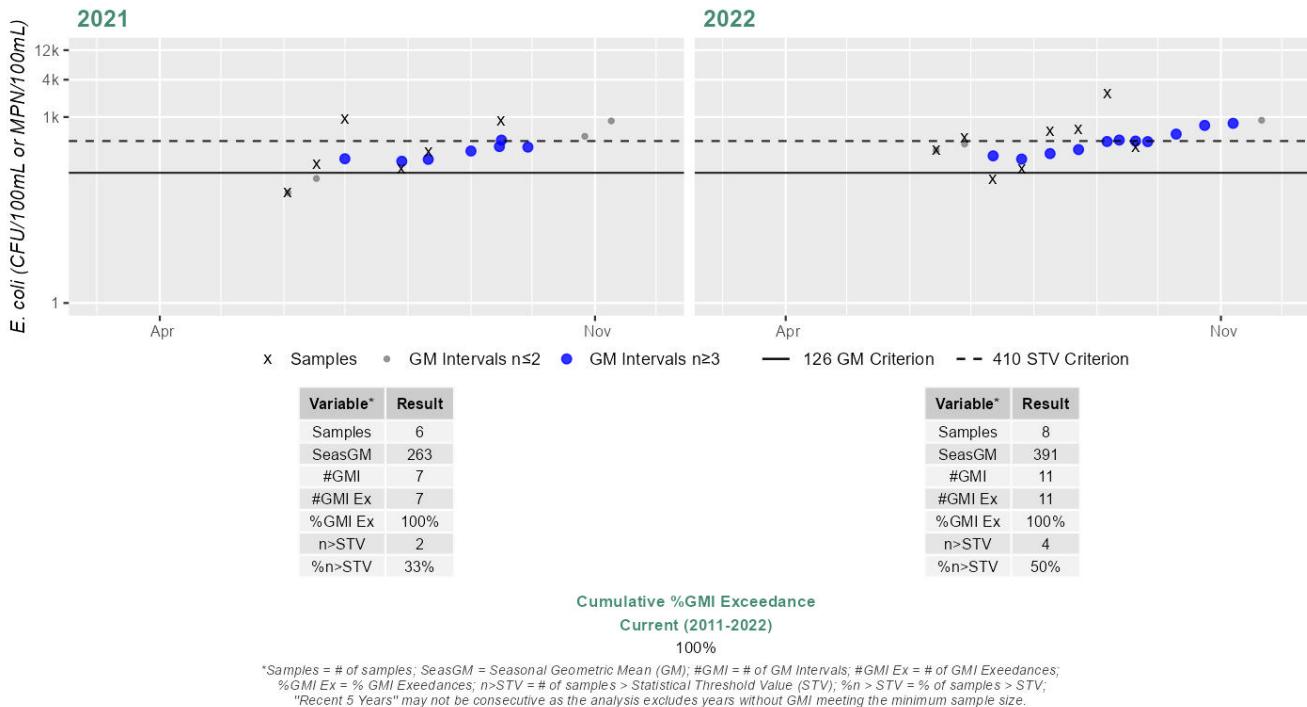
**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)**

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_HBB500	Housatonic Valley Association	<i>E. coli</i>	06/03/21	09/16/21	6	60	920	263
HVA_HBB500	Housatonic Valley Association	<i>E. coli</i>	06/14/22	09/20/22	8	98	2419	391

### Station HVA\_HBB500 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Hubbard Brook (MA21-15) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_HBB500. HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in Hubbard Brook (MA21-15) from 2002-2022 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_HBB500 [Sheffield-Egremont Rd] from 2021-2022 (n=6-8/yr), W1113 [Rt. 7, Sheffield] from 2002 and 2007 (n=5/yr). Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_HBB500 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >244 CFU/100ml (2021 and 2022, 57 & 81%), 1 yr had  $\geq 2$  samples exceed the 794 CFU/100ml STV (2021, n=2), and cumulatively across years 72% of intervals had GMs >244 CFU/100ml. Current *E. coli* data from HVA\_HBB500 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_HBB500	Housatonic Valley Association	Water Quality	Hubbard Brook	Sheffield-Egremont Road	42.149556	-73.391032
W1113	MassDEP	Water Quality	Hubbard Brook	[Route 7, Sheffield]	42.114115	-73.351020

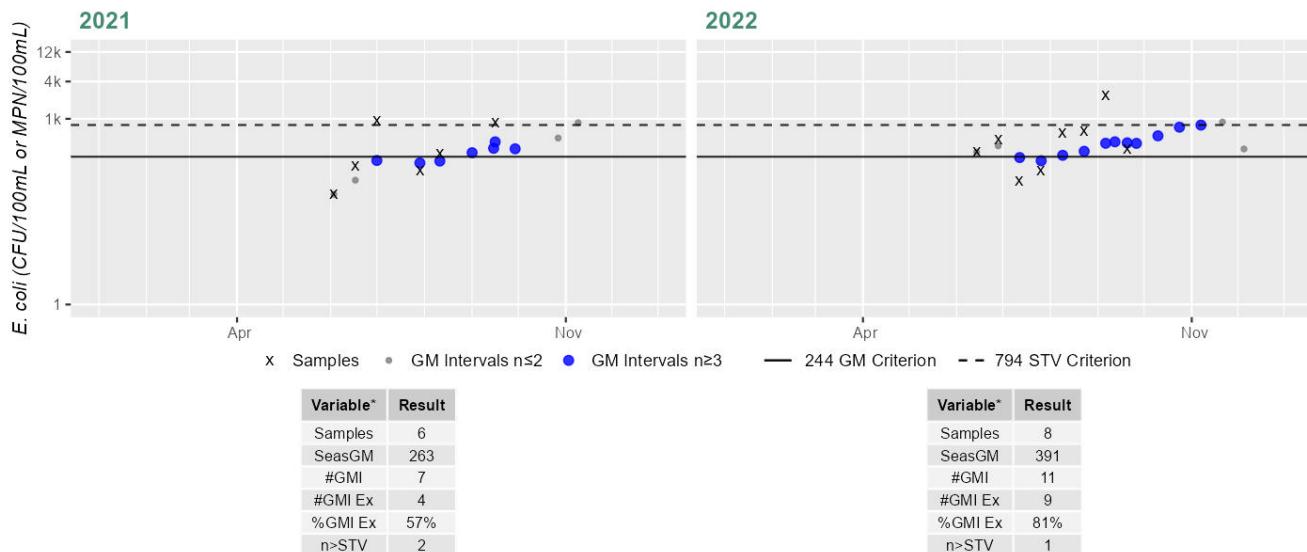
## Bacteria Data

**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022)** (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)  
 [Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_HBB500	Housatonic Valley Association	E. coli	06/03/21	09/16/21	6	60	920	263
HVA_HBB500	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	98	2419	391
W1113	MassDEP	E. coli	05/22/02	09/25/02	5	10	250	85
W1113	MassDEP	E. coli	05/08/07	09/25/07	5	14	560	105

### Station HVA\_HBB500 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Cumulative %GMI Exceedance

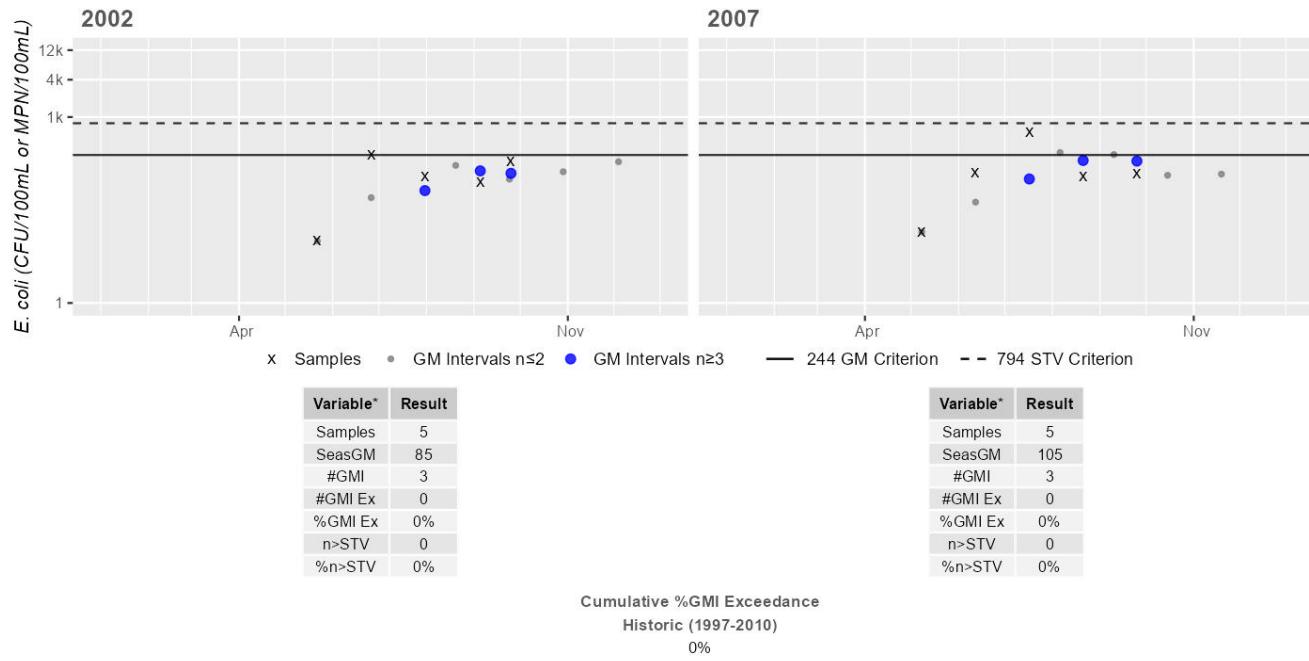
Current (2011-2022)

72%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
 %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n>STV = % of samples > STV;  
 "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

**Station MASSDEP\_W1113 - *Escherichia coli***

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Karner Brook (MA21-38)

<b>Location:</b>	Headwaters, perennial portion east of East Street, Mount Washington to the Karner Brook Reservoir intake, Egremont (formerly part of 2014 segment: Karner Brook MA21-16).
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.3 MILES
<b>Classification/Qualifier:</b>	A: PWS, ORW

No usable data were available for Karner Brook (MA21-38) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Karner Brook (MA21-39)

<b>Location:</b>	From the Karner Brook Reservoir intake, Egremont to mouth at inlet Mill Pond, Egremont (formerly part of 2014 segment: Karner Brook MA21-16).
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.3 MILES
<b>Classification/Qualifier:</b>	B: ORW

No usable data were available for Karner Brook (MA21-39) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
4c	4c	(Dewatering*)	--		Unchanged

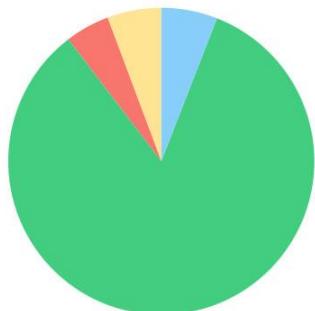
Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Dewatering*)	Water Diversions (Y)	X	--	--	--	--

# Konkapot River (MA21-25)

<b>Location:</b>	Headwaters, outlet Brewer Lake, Monterey to the MA/CT border, New Marlborough (formerly part of 1998 segment: Konkapot River MA21-13).
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	16.5 MILES
<b>Classification/Qualifier:</b>	B

## Konkapot River (MA21-25)

Watershed Area: 56.76 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area* (square miles)	56.72	5.57	13.28	1.30
Agriculture	5.7%	14.2%	4.4%	16%
Developed	4.7%	5.1%	5.2%	6.1%
Natural	83.7%	75.5%	78.1%	67.9%
Wetland	5.9%	5.2%	12.4%	9.9%
Impervious	2%	2%	2.5%	2.7%

\*Land cover analysis only includes watershed area within Massachusetts.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	Escherichia Coli (E. Coli)	--		Added
5	5	Mercury in Fish Tissue	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	--
Mercury in Fish Tissue	Atmospheric Deposition (N)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

#### 2024/26 Use Attainment Summary

The Fish Consumption Use for Konkapot River (MA21-25) continues to be assessed as Not Supporting and the prior Mercury in Fish Tissue impairment is being carried forward. DPH included a site-specific advisory for Konkapot River (referred to by MDPH as "Konkapot River (From the Mill River Dam in New Marlborough to its confluence with the Housatonic River)") in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

### Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

#### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Konkapot River (MA21-25), so it is Not Assessed.

### Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

#### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the Konkapot River (MA21-25) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_KPT380, HVA\_KPT500, and HVA\_KPT600. HVA staff/volunteers collected *E. coli* bacteria samples in the Konkapot River (MA21-25) from 2020-2022 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_KPT380 [downstream of River Rd Bridge, Monterey] from 2020 and 2022 (n=8/yr), HVA\_KPT500 [downstream of Hartsville-Mill River Rd, New Marlborough] from 2021-2022 (n=6-9/yr), HVA\_KPT600 [downstream of Canaan-Southfield Rd bridge, New Marlborough] from 2021-2022 (n=6-8/yr). Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_KPT380 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2020 and 2022, 72 & 90%), 2 yrs had ≥2 samples exceed the 410 CFU/100ml STV (2020 and 2022, n=2 & 4), and cumulatively across years 81% of intervals had GMs >126 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_KPT500 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2021 and 2022, 42 & 76%), 1 yr had ≥2 samples exceed the 410 CFU/100ml STV (2022, n=2), and cumulatively across years 65% of intervals had GMs >126 CFU/100ml. Analysis of the multi-year moderate frequency *E. coli* dataset from HVA\_KPT600 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2021 and 2022, 100 & 63%), 0 yrs had ≥2 samples exceed the 410 CFU/100ml STV, and cumulatively across years 77% of intervals had GMs >126 CFU/100ml. *E. coli* data from HVA\_KPT380, HVA\_KPT500, and HVA\_KPT600 are indicative of an *E. coli* impairment.

## ***Monitoring Stations***

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_KPT380	Housatonic Valley Association	Water Quality	Konkapot River	Downstream of River Road Bridge, Monterey	42.180703	-73.248375
HVA_KPT500	Housatonic Valley Association	Water Quality	Konkapot River	Downstream of Hartsville-Mill River Road, New Marlborough	42.158620	-73.262755
HVA_KPT600	Housatonic Valley Association	Water Quality	Konkapot River	Downstream of Canaan-Southfield Road bridge, New Marlborough	42.066444	-73.284010

## ***Bacteria Data***

**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)**

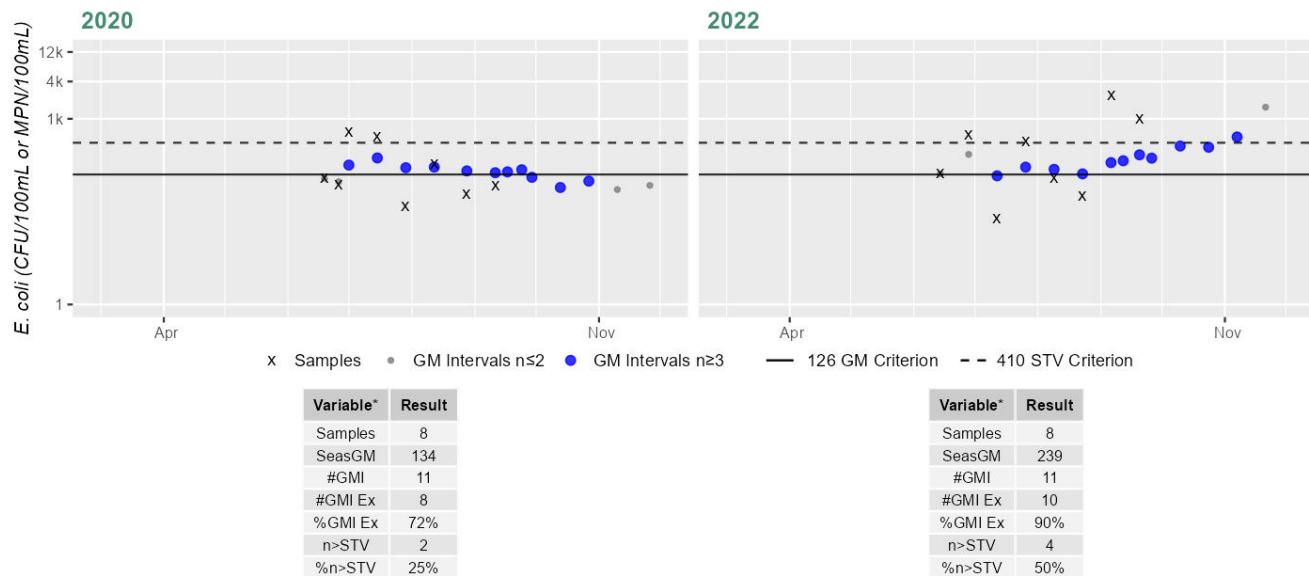
[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_KPT380	Housatonic Valley Association	<i>E. coli</i>	06/18/20	09/10/20	8	37	613	134
HVA_KPT380	Housatonic Valley Association	<i>E. coli</i>	06/14/22	09/20/22	8	24	2419	239

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_KPT500	Housatonic Valley Association	E. coli	06/03/21	09/16/21	6	39	410	124
HVA_KPT500	Housatonic Valley Association	E. coli	06/14/22	09/20/22	9	39	2419	154
HVA_KPT600	Housatonic Valley Association	E. coli	06/03/21	09/16/21	6	48	461	170
HVA_KPT600	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	23	2419	190

### Station HVA\_KPT380 - *Escherichia coli*

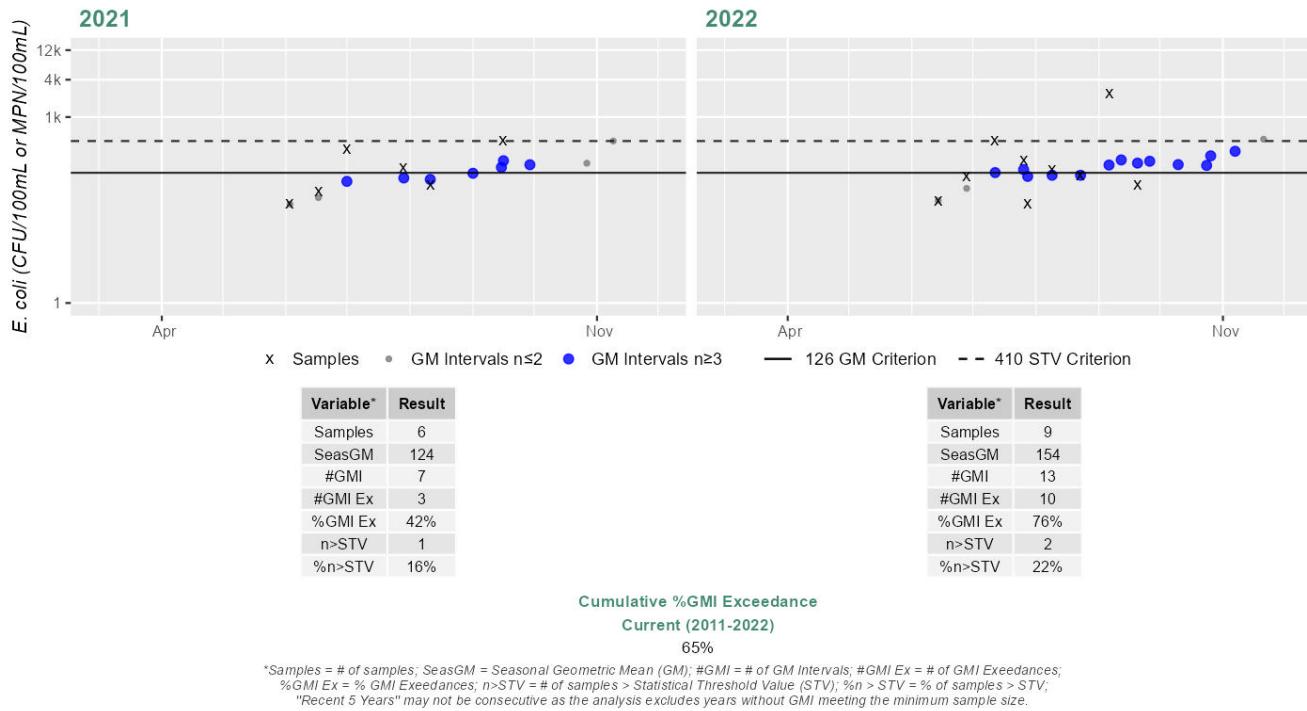
Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances;  $n > STV$  = # of samples > Statistical Threshold Value (STV); % $n > STV$  = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

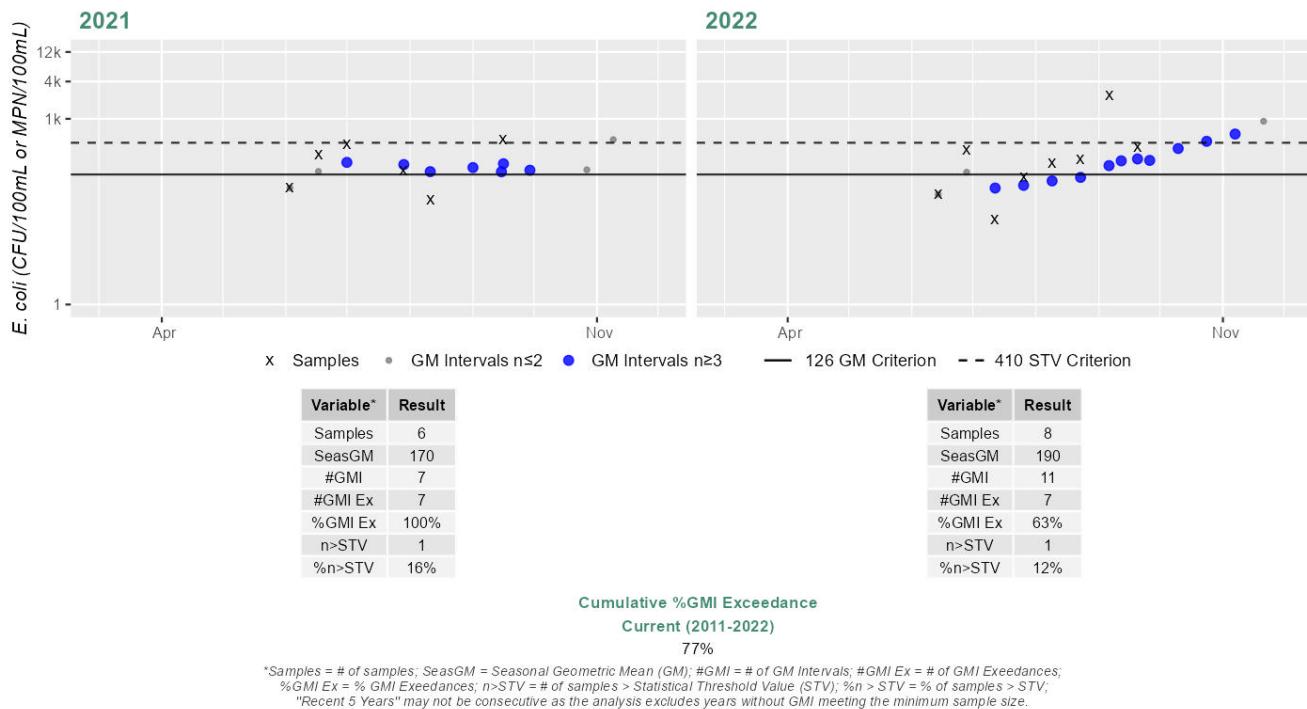
### Station HVA\_KPT500 & MASSDEP\_W0379 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Station HVA\_KPT600 & MASSDEP\_W0374 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for the Konkapot River (MA21-25) continues to be assessed as Fully Supporting. HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in the Konkapot River (MA21-25) from 1997-2022 at 13 stations. Samples were collected from the following stations/sample years from upstream to downstream: W0382 [upstream/N at Beartown Mountain Rd, Monterey. Standing on pipe emerging from earth berm retaining Brewer Lake] from Aug-Oct 1997 (n=3), W0381 [downstream/S at Rt. 23, Monterey] from Aug-Oct 1997 (n=3), W0380 [downstream/NW at Curtis Rd bridge, Monterey] from Aug-Oct 1997 (n=3), HVA\_KPT380 [downstream of River Rd Bridge, Monterey] from 2020 and 2022 (n=8/yr), HVA\_KPT500 & W0379 [downstream/S at Hartsville Mill Rd, New Marlborough. SE of Lake Buel outlet, W of New Marlborough locality of Hartsville. & downstream of Hartsville-Mill River Rd, New Marlborough] from Aug-Sep 1997 (historic n=2) and 2021-2022 (current n=6-9/yr), W0378 [Hartsville Mill River Rd bridge which is ~3/10 mile NW of New Marlborough Hill Rd] from Aug-Oct 1997 (n=3), W0469 [NW of locality of Mill River, immediately above dam which is NW of Hayes Hill Rd, Mill River Gr Barrington Rd intersection, New Marlborough] from May 1998 (n=1), W0377 [E side at Clayton Mill River Rd, N of Mill River Rd bridge downstream of old dam, New Marlborough. (Remains of old dam on banks only.)] from 1997-1998 and 2007 (n=1-5/yr), W0376 [E side Clayton Mill River Rd ~1 and 1/2 miles N of Konkapot Rd/Clayton Mill River Rd intersection, New Marlborough. Utility pole #MEC0645 N.E.Tel#43] from 1997-1998 (n=1-3/yr), W0375 [upstream/E at Konkapot Rd bridge, New Marlborough] from 1997-1998 and 2007 (n=1-5/yr), HVA\_KPT600 & W0374 [upstream/N at Canaan-Southfield Rd bridge, New Marlborough. & downstream of Canaan-Southfield Rd bridge, New Marlborough] from 1997-1998 (historic n=1-3/yr) and 2021-2022 (current n=6-8/yr), W0467 [off the eastern side of Canaan-Southfield Rd ~1 Rd mile N of the Connecticut/MA border, New Marlborough] from May 1998 (n=1), W0373 [upstream/NE at Old Turnpike N bridge, N Canaan, Connecticut] from 1997-1998 (n=1-3/yr). Current *E. coli* data from HVA\_KPT380, HVA\_KPT500 & W0379, and HVA\_KPT600 & W0374 meet 2024 CALM guidance.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_KPT380	Housatonic Valley Association	Water Quality	Konkapot River	Downstream of River Road Bridge, Monterey	42.180703	-73.248375
HVA_KPT500	Housatonic Valley Association	Water Quality	Konkapot River	Downstream of Hartsville-Mill River Road, New Marlborough	42.158620	-73.262755

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_KPT600	Housatonic Valley Association	Water Quality	Konkapot River	Downstream of Canaan-Southfield Road bridge, New Marlborough	42.066444	-73.284010
W0373	MassDEP	Water Quality	Konkapot River	[upstream/northeast at Old Turnpike North bridge, North Canaan, Connecticut.]	42.045677	-73.286946
W0374	MassDEP	Water Quality	Konkapot River	[upstream/north at Canaan-Southfield Road bridge, New Marlborough.]	42.066508	-73.284118
W0375	MassDEP	Water Quality	Konkapot River	[upstream/east at Konkapot Road bridge, New Marlborough.]	42.076015	-73.282826
W0376	MassDEP	Water Quality	Konkapot River	[east side Clayton Mill River Road approximately 1 and 1/2 miles north of Konkapot Road/Clayton Mill River Road intersection, New Marlborough. Utility pole #MEC0645 N.E.Tel#43.]	42.090699	-73.274816
W0377	MassDEP	Water Quality	Konkapot River	[east side at Clayton Mill River Road, north of Mill River Road bridge downstream of old dam, New Marlborough. (Remains of old dam on banks only.)]	42.113168	-73.268532
W0378	MassDEP	Water Quality	Konkapot River	[Hartsville Mill River Road bridge which is approximately 3/10 mile northwest of New Marlborough Hill Road.]	42.129845	-73.263949
W0379	MassDEP	Water Quality	Konkapot River	[downstream/south at Hartsville Mill Road, New Marlborough. Southeast of Lake Buel outlet, west of New Marlborough locality of Hartsville.]	42.158622	-73.262681
W0380	MassDEP	Water Quality	Konkapot River	[downstream/northwest at Curtis Road bridge, Monterey.]	42.181307	-73.238036
W0381	MassDEP	Water Quality	Konkapot River	[downstream/south at Route 23, Monterey.]	42.179365	-73.213430
W0382	MassDEP	Water Quality	Konkapot River	[upstream/north at Beartown Mountain Road, Monterey. Standing on pipe emerging from earth berm retaining Brewer Lake.]	42.190201	-73.213532
W0467	MassDEP	Water Quality	Konkapot River	[off the eastern side of Canaan-Southfield Road approximately 1 road mile north of the Connecticut/Massachusetts border, New Marlborough.]	42.062030	-73.285342
W0469	MassDEP	Water Quality	Konkapot River	[northwest of locality of Mill River, immediately above dam which is northwest of Hayes Hill Road, Mill River Gr Barrington Road intersection, New Marlborough.]	42.116349	-73.269325

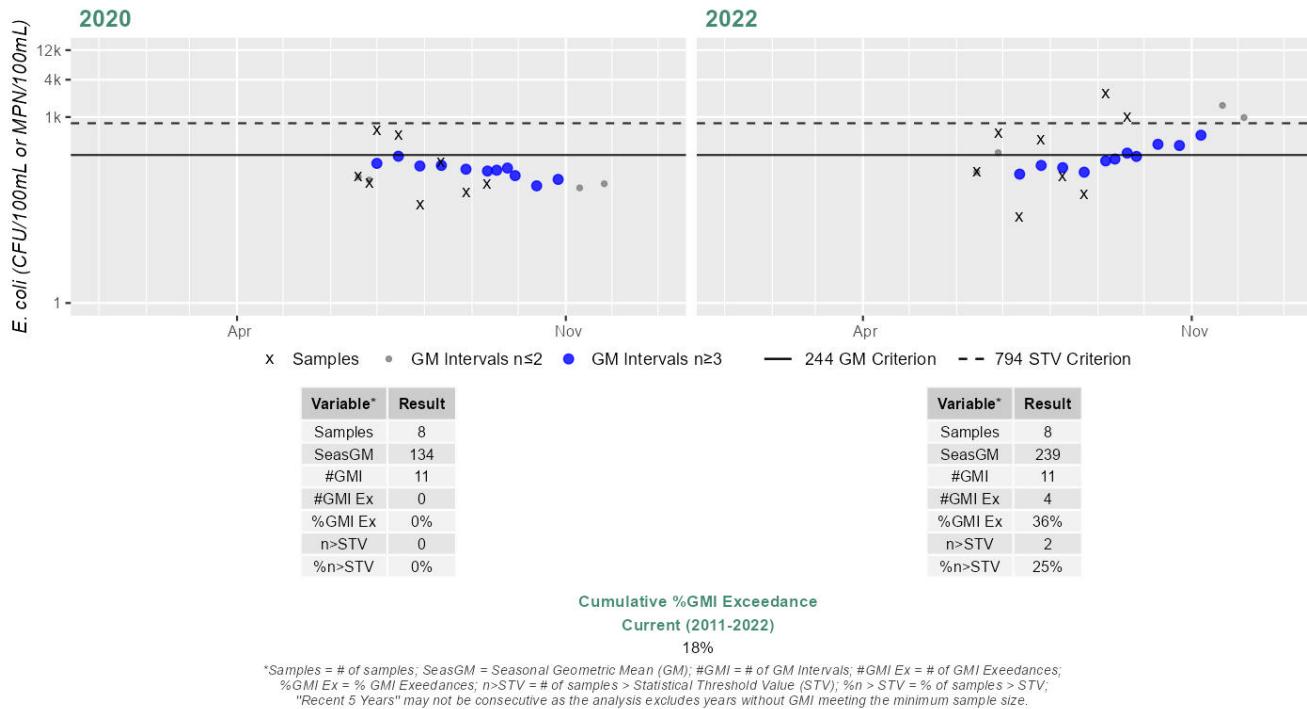
## Bacteria Data

**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)**  
 [Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_KPT380	Housatonic Valley Association	E. coli	06/18/20	09/10/20	8	37	613	134
HVA_KPT380	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	24	2419	239
HVA_KPT500	Housatonic Valley Association	E. coli	06/03/21	09/16/21	6	39	410	124
HVA_KPT500	Housatonic Valley Association	E. coli	06/14/22	09/20/22	9	39	2419	154
HVA_KPT600	Housatonic Valley Association	E. coli	06/03/21	09/16/21	6	48	461	170
HVA_KPT600	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	23	2419	190
W0373	MassDEP	E. coli	08/26/97	10/29/97	3	20	80	40
W0373	MassDEP	E. coli	05/19/98	05/19/98	1	20	20	19
W0374	MassDEP	E. coli	08/26/97	10/29/97	3	20	20	19
W0374	MassDEP	E. coli	05/19/98	05/19/98	1	20	20	19
W0375	MassDEP	E. coli	08/26/97	10/29/97	3	20	20	19
W0375	MassDEP	E. coli	05/19/98	05/19/98	1	20	20	19
W0375	MassDEP	E. coli	05/08/07	09/25/07	5	10	180	28
W0376	MassDEP	E. coli	08/26/97	10/29/97	3	20	20	19
W0376	MassDEP	E. coli	05/19/98	05/19/98	1	20	20	19
W0377	MassDEP	E. coli	08/26/97	10/29/97	3	20	20	19
W0377	MassDEP	E. coli	05/19/98	05/19/98	1	20	20	19
W0377	MassDEP	E. coli	05/08/07	09/25/07	5	1	160	13
W0378	MassDEP	E. coli	08/26/97	10/29/97	3	20	60	28
W0379	MassDEP	E. coli	08/26/97	09/30/97	2	20	60	34
W0380	MassDEP	E. coli	08/26/97	10/29/97	3	20	80	31
W0381	MassDEP	E. coli	08/26/97	10/29/97	3	20	20	19
W0382	MassDEP	E. coli	08/26/97	10/29/97	3	20	20	19
W0467	MassDEP	E. coli	05/19/98	05/19/98	1	20	20	19
W0469	MassDEP	E. coli	05/19/98	05/19/98	1	20	20	19

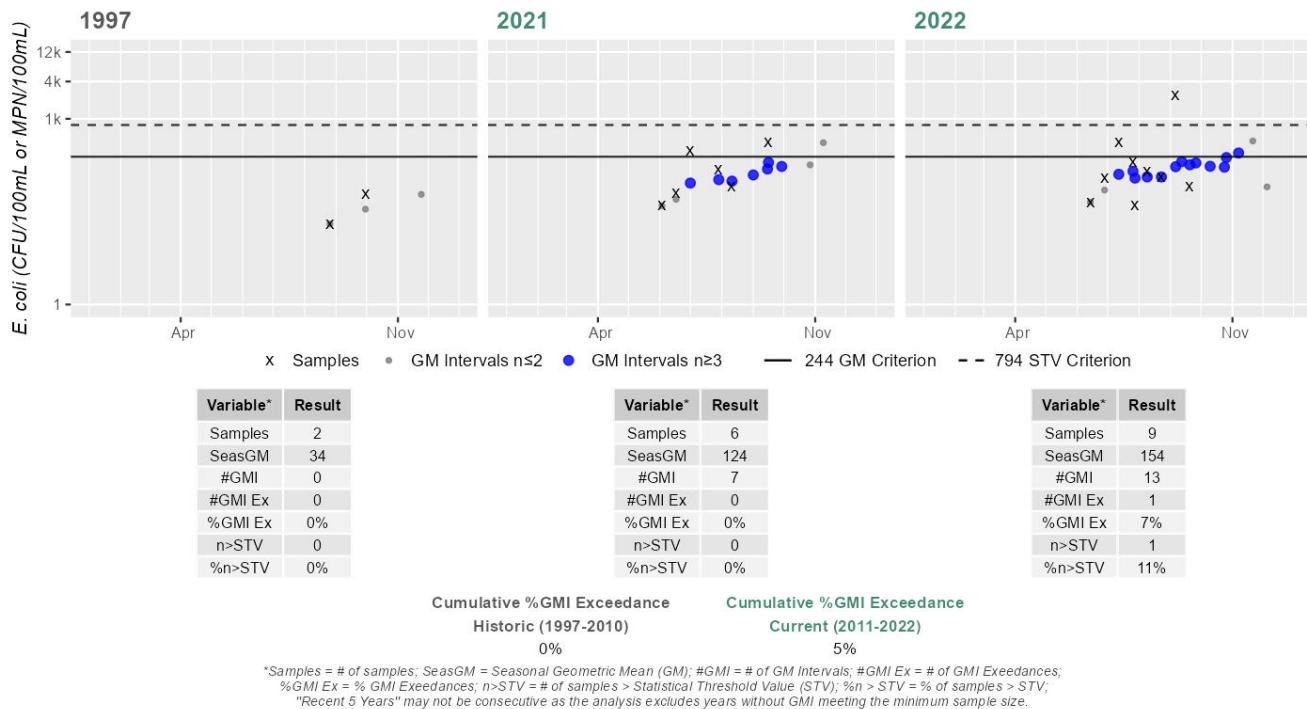
### Station HVA\_KPT380 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



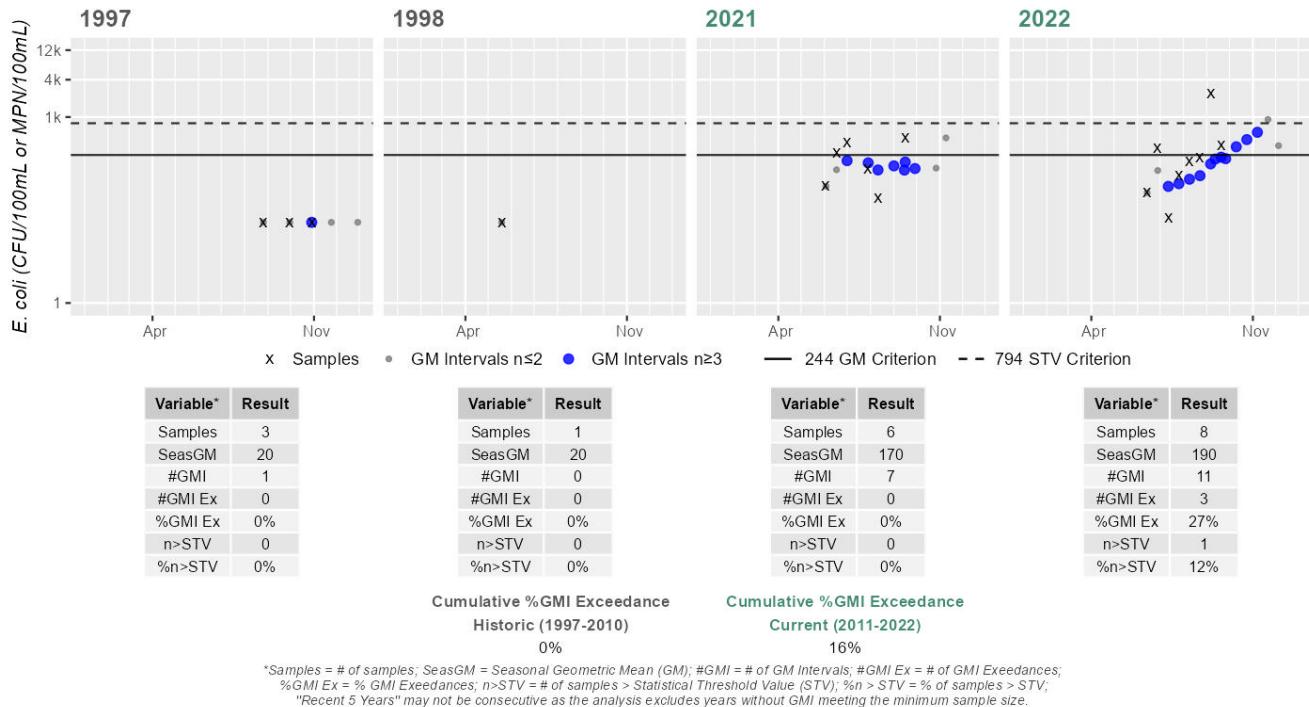
### Station HVA\_KPT500 & MASSDEP\_W0379 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



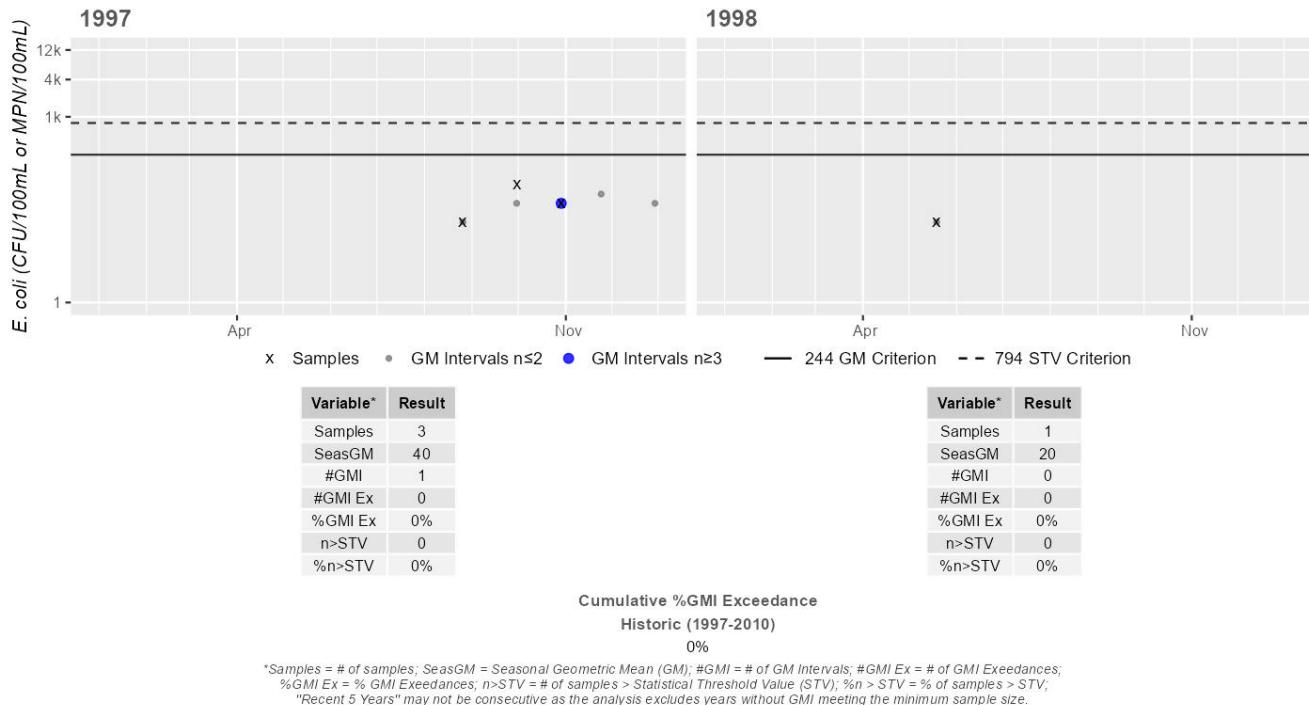
### Station HVA\_KPT600 & MASSDEP\_W0374 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



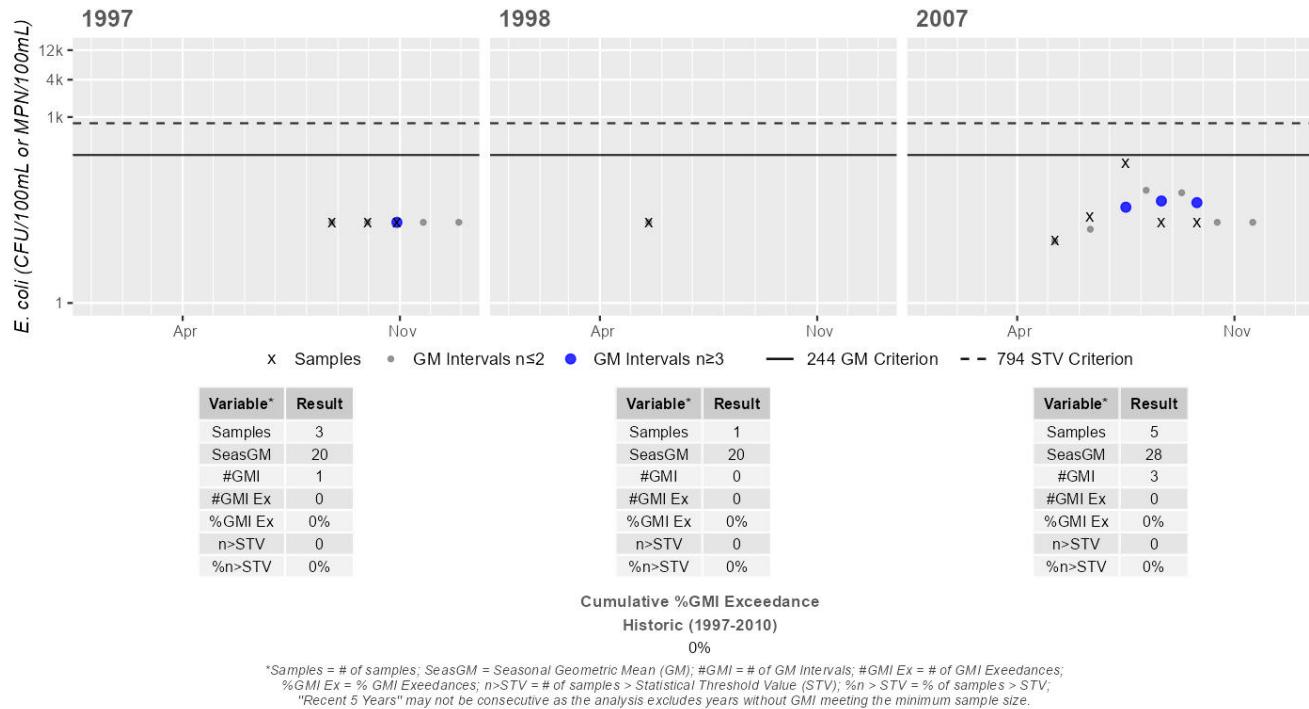
### Station MASSDEP\_W0373 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



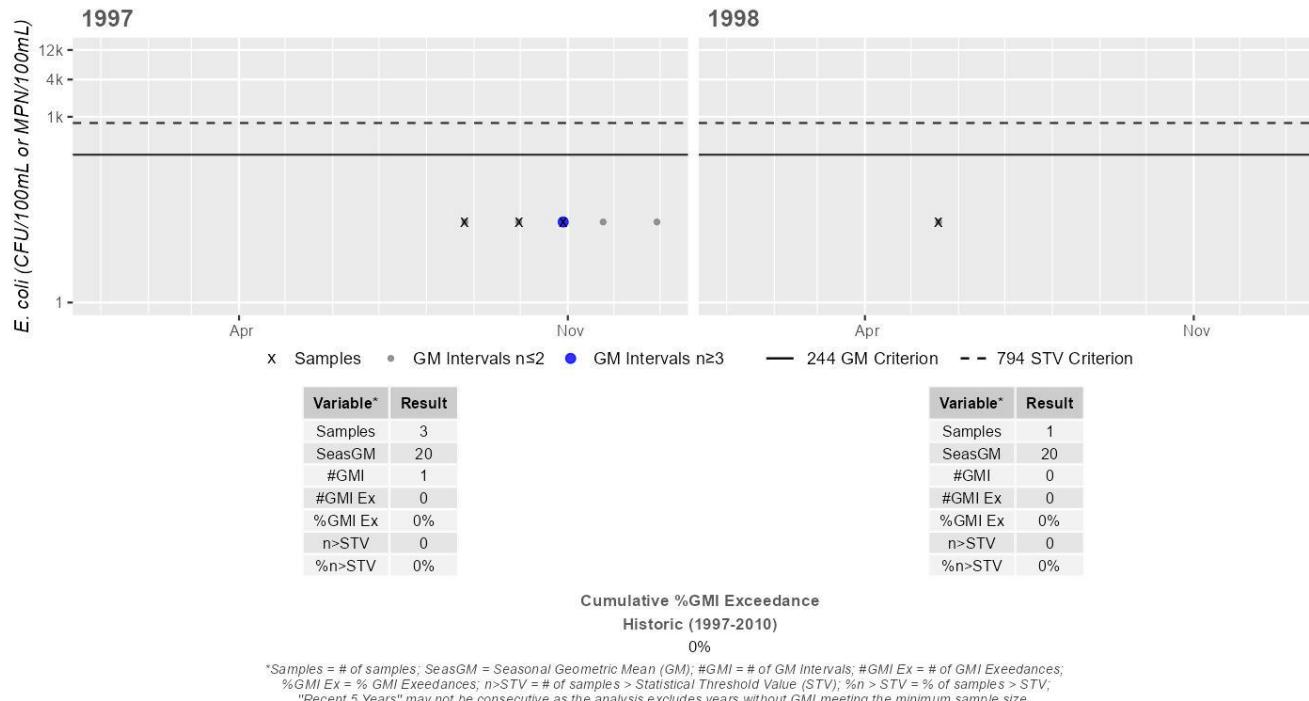
### Station MASSDEP\_W0375 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



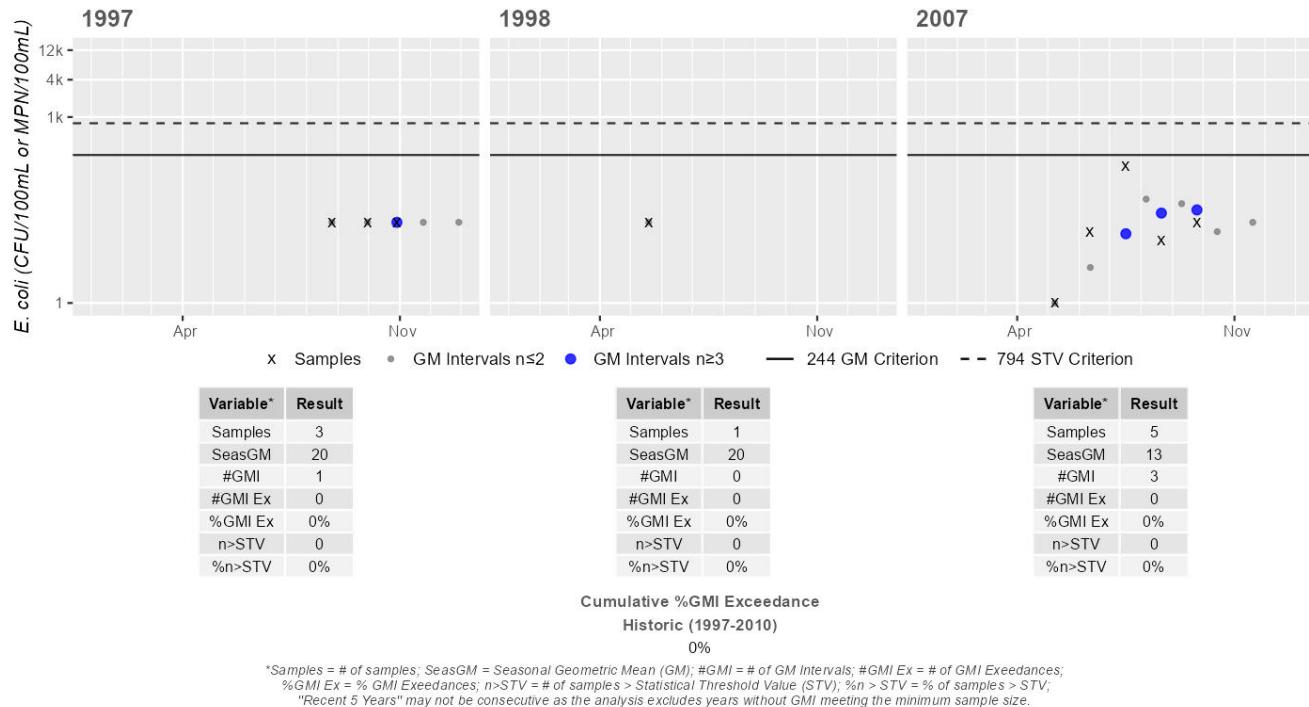
### Station MASSDEP\_W0376 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



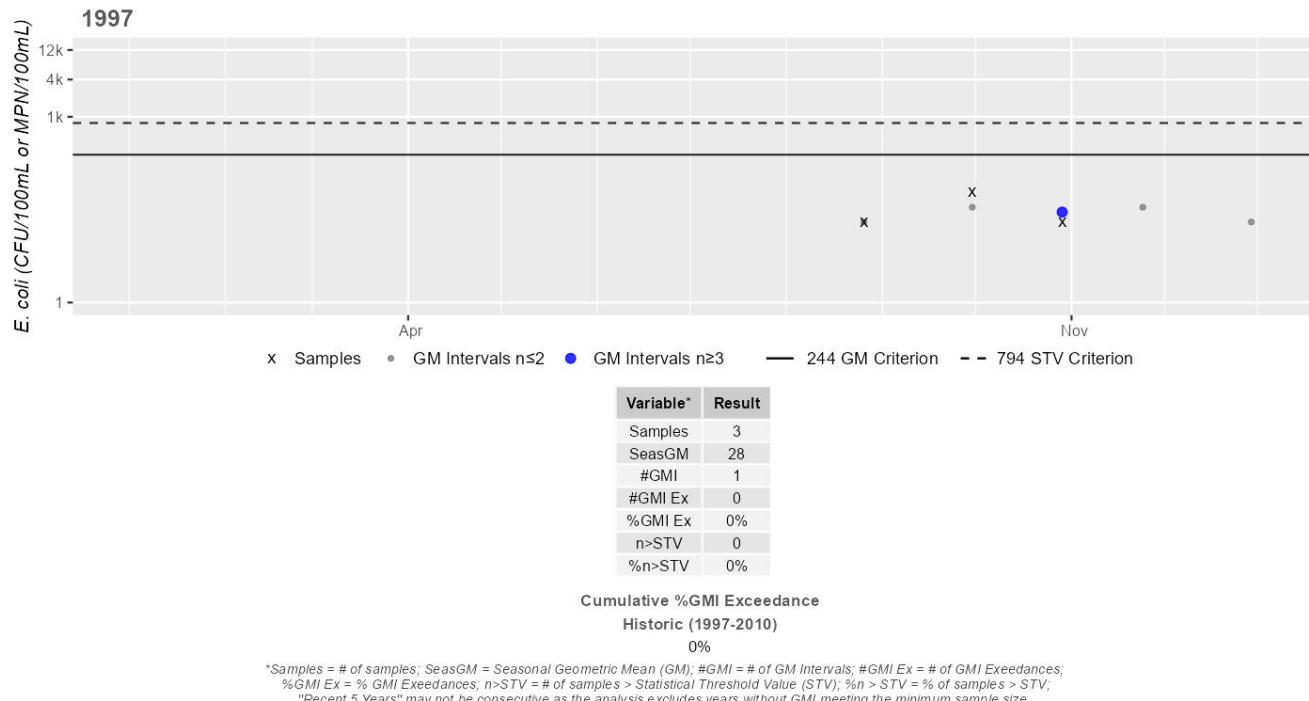
### Station MASSDEP\_W0377 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



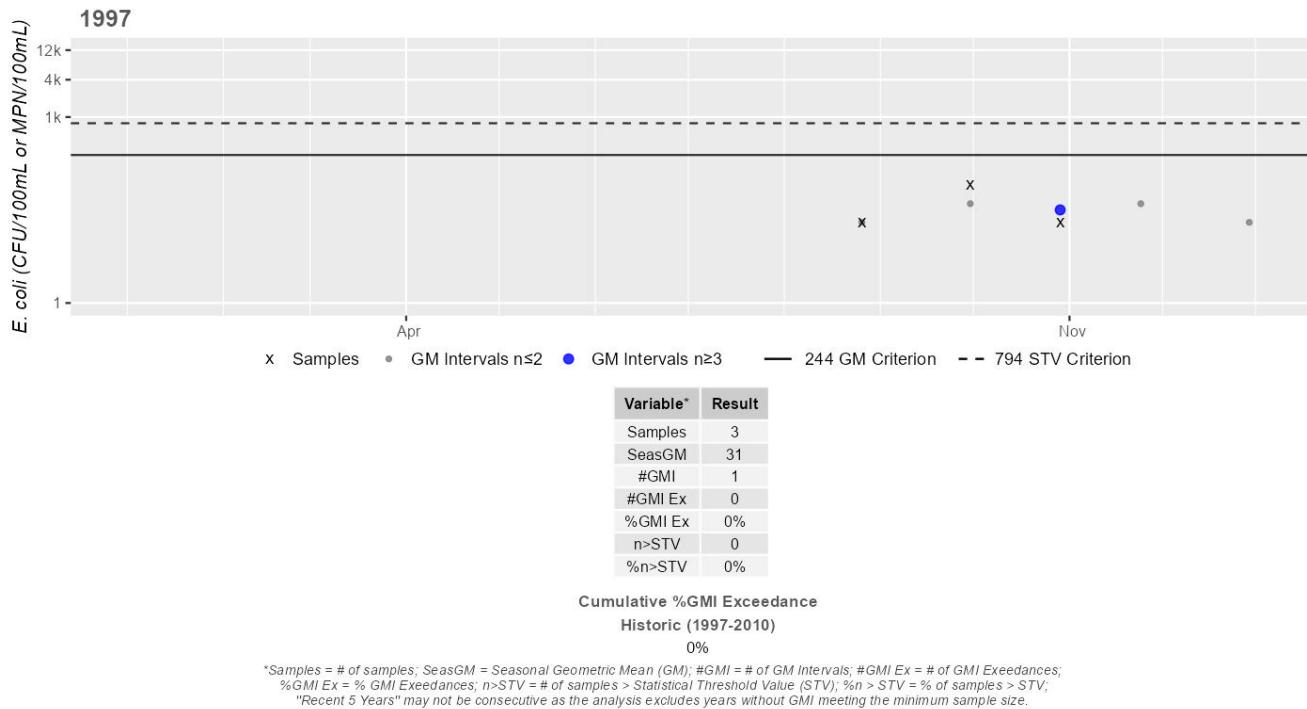
### Station MASSDEP\_W0378 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



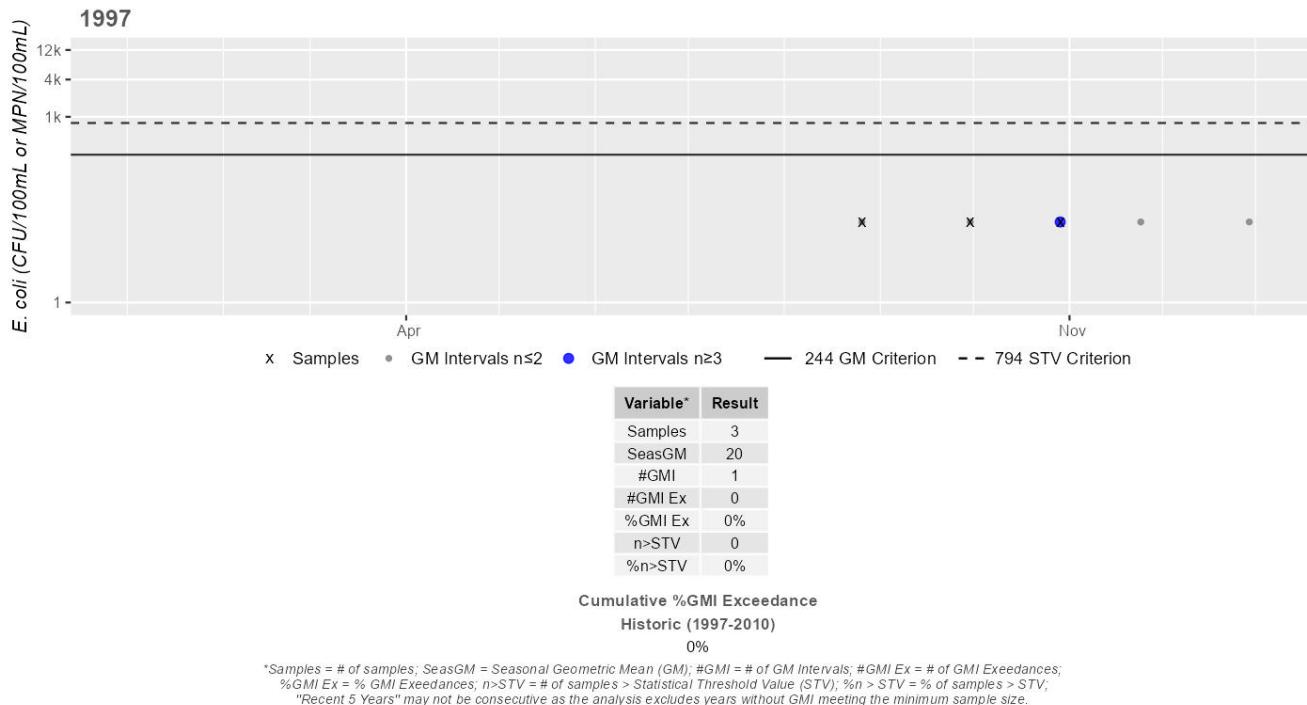
### Station MASSDEP\_W0380 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



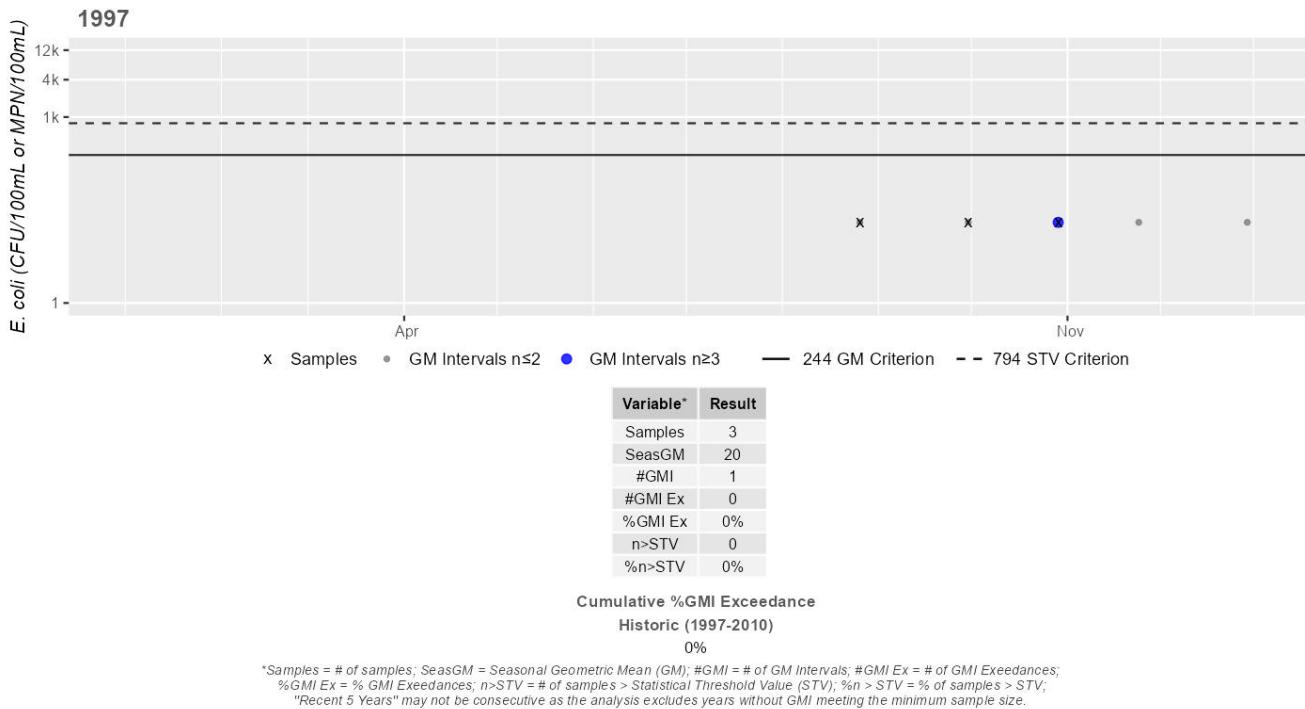
### Station MASSDEP\_W0381 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



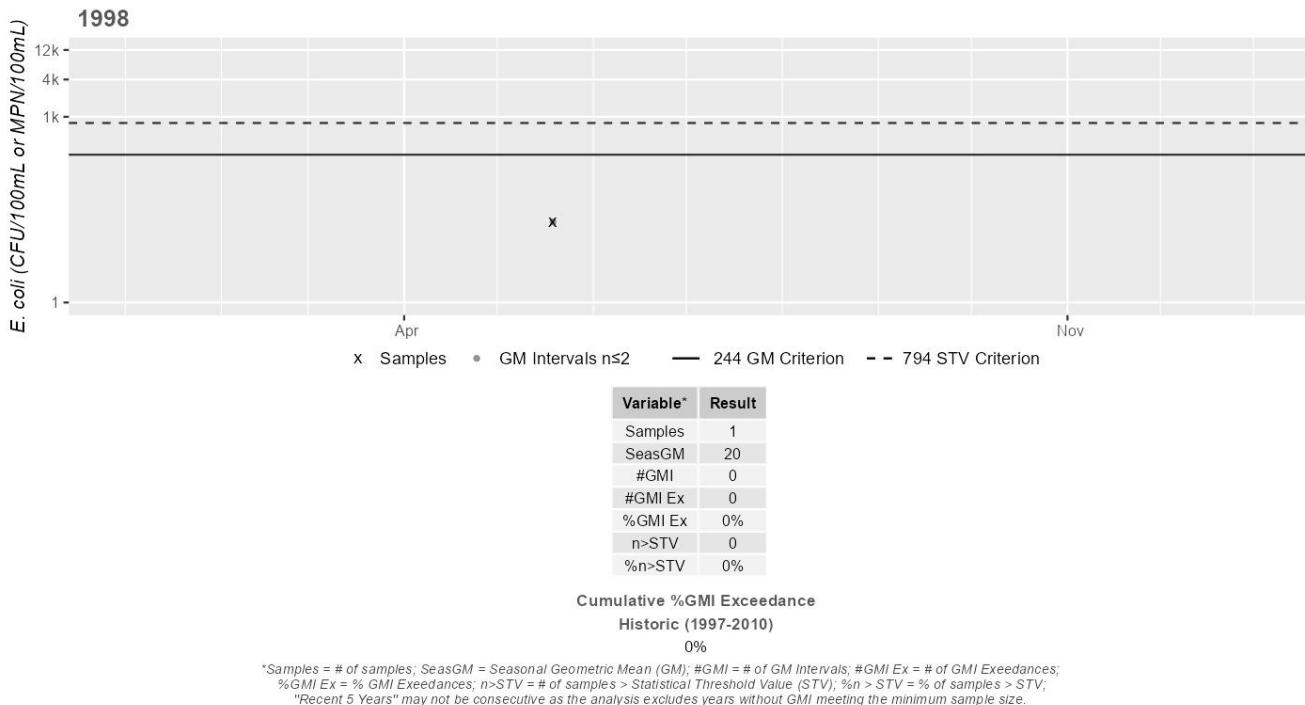
### Station MASSDEP\_W0382 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



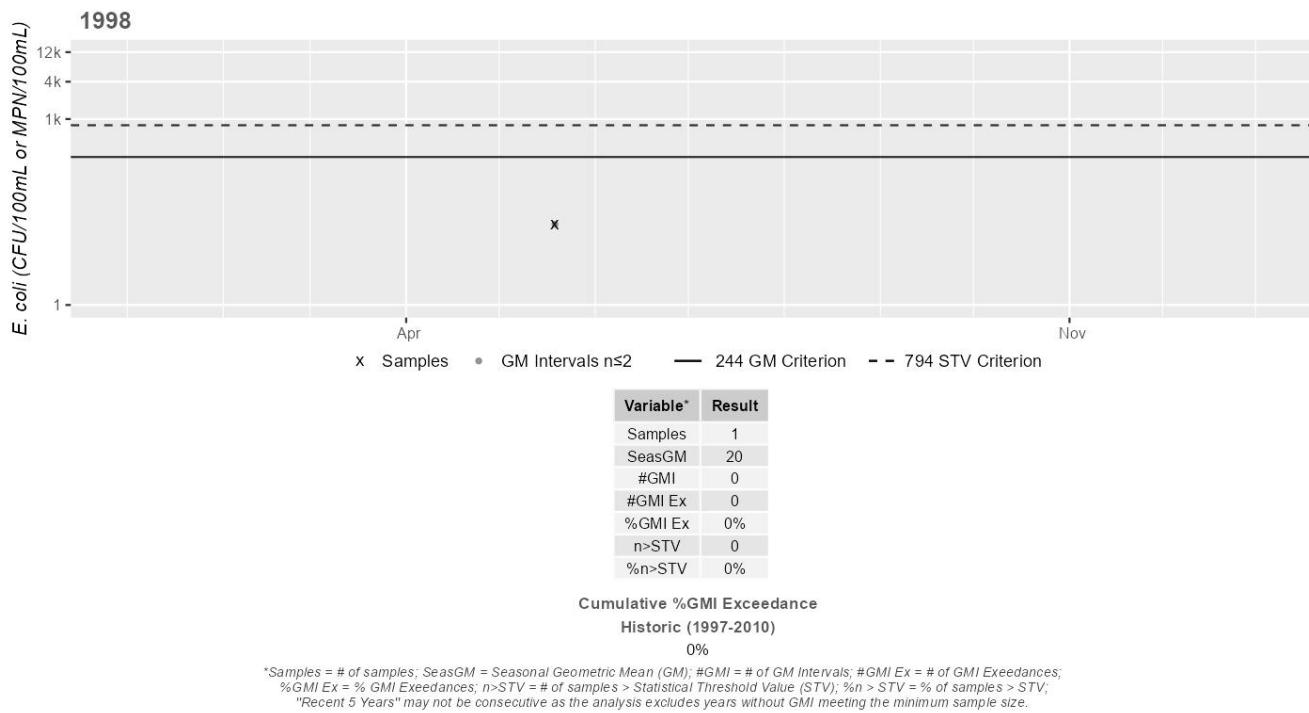
### Station MASSDEP\_W0467 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



**Station MASSDEP\_W0469 - Escherichia coli**

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

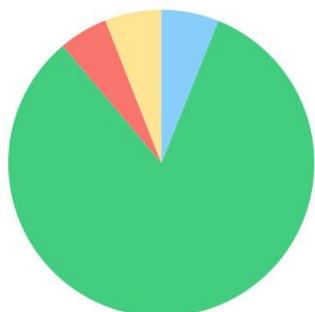


# Konkapot River (MA21-26)

<b>Location:</b>	From the MA/CT border, Sheffield, to mouth at confluence with the Housatonic River, Sheffield (formerly part of 1998 segment: Konkapot River MA21-13).
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.9 MILES
<b>Classification/Qualifier:</b>	B

## Konkapot River (MA21-26)

Watershed Area: 62.28 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area* (square miles)	58.55	3.30	13.76	0.66
Agriculture	6%	17.3%	5%	25.6%
Developed	5.2%	15.3%	5.3%	7.2%
Natural	82.8%	59.8%	76.8%	44.7%
Wetland	6.1%	7.6%	12.9%	22.5%
Impervious	2.1%	4.4%	2.4%	2.2%

\*Land cover analysis only includes watershed area within Massachusetts.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	Escherichia Coli (E. Coli)	--		Added
5	5	Mercury in Fish Tissue	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X
Mercury in Fish Tissue	Atmospheric Deposition (N)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

#### 2024/26 Use Attainment Summary

The Fish Consumption Use for Konkapot River (MA21-26) continues to be assessed as Not Supporting and the prior Mercury in Fish Tissue impairment is being carried forward. DPH included a site-specific advisory for Konkapot River (referred to by MDPH as "Konkapot River (From the Mill River Dam in New Marlborough to its confluence with the Housatonic River)") in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

### Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

#### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Konkapot River (MA21-26), so it is Not Assessed.

### Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

#### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the Konkapot River (MA21-26) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_KPT700. HVA staff/volunteers collected *E. coli* bacteria samples in the Konkapot River (MA21-26) at HVA\_KPT700 [downstream of Rt. 7A bridge, above waterfall, Sheffield] from Jul-Sep 2022 (n=5). Analysis of the single year limited frequency *E. coli* dataset from HVA\_KPT700 indicated 100% of intervals had GMs >126 CFU/100ml, 4 samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 1194 CFU/100ml. *E. coli* data from HVA\_KPT700 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_KPT700	Housatonic Valley Association	Water Quality	Konkapot River	Downstream of Route 7A bridge, above waterfall, Sheffield	42.054710	-73.333741

## Bacteria Data

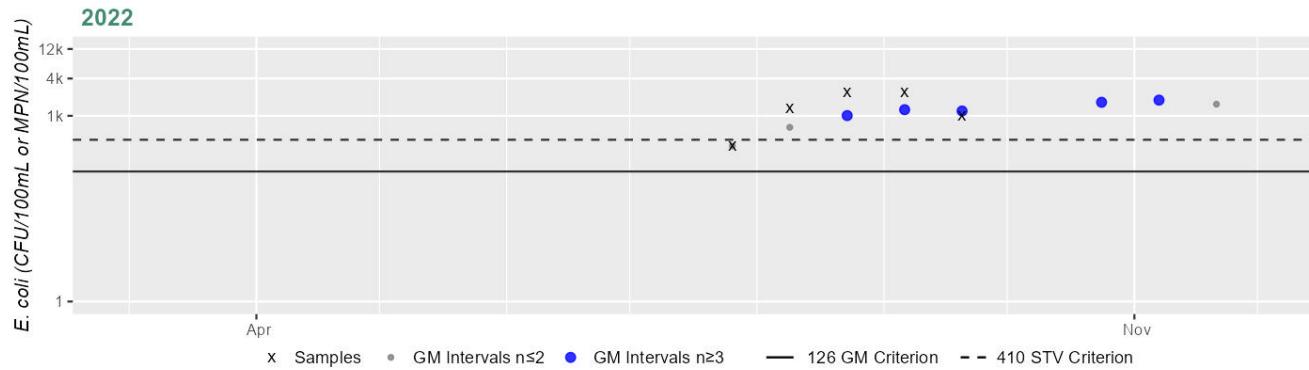
Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_KPT700	Housatonic Valley Association	E. coli	07/26/22	09/20/22	5	325	2419	1194

### Station HVA\_KPT700 & MASSDEP\_W0371 - Escherichia coli

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



Variable*	Result
Samples	5
SeasGM	1194
#GMI	5
#GMI Ex	5
%GMI Ex	100%
n>STV	4
%n>STV	80%

### Cumulative %GMI Exceedance

Current (2011-2022)

100%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

## 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for the Konkapot River (MA21-26) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_KPT700 & W0371. HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in the Konkapot River (MA21-26) from 1997-2022 at 4 stations. Samples were collected from the following stations/sample years from upstream to downstream: W0372 [Rt. 124 bridge, N Canaan, Connecticut] from 1997-1998 (n=1-3/yr), W0463 [upstream/E at Rt. 7, Sheffield, locality of Ashley Falls] from May 1998 (n=1), W1114 [upstream of railroad trestle ~160 ft upstream of Rt. 7A, Sheffield] from May-Sep 2002 (n=5), HVA\_KPT700 & W0371 [Rt. 7A bridge, Sheffield, (locality of Ashley Falls). & downstream of Rt. 7A bridge, above waterfall, Sheffield] from 1997-1998 and 2007 (historic n=1-5/yr) and Jul-Sep 2022 (current n=5). Analysis of the single year limited frequency *E. coli* dataset from HVA\_KPT700 & W0371 indicated 100% of intervals had GMs >244 CFU/100ml, 4 samples exceeded the 794 CFU/100ml STV, and the overall GM was 1194 CFU/100ml. *E. coli* data from HVA\_KPT700 & W0371 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_KPT700	Housatonic Valley Association	Water Quality	Konkapot River	Downstream of Route 7A bridge, above waterfall, Sheffield	42.054710	-73.333741
W0371	MassDEP	Water Quality	Konkapot River	[Route 7A bridge, Sheffield, (locality of Ashley Falls).]	42.054900	-73.334003
W0372	MassDEP	Water Quality	Konkapot River	[Route 124 bridge, North Canaan, Connecticut.]	42.046402	-73.311193
W0463	MassDEP	Water Quality	Konkapot River	[upstream/east at Route 7, Sheffield, locality of Ashley Falls.]	42.053209	-73.326585
W1114	MassDEP	Water Quality	Konkapot River	[upstream of railroad trestle approximately 160 feet upstream of Route 7A, Sheffield]	42.055423	-73.333507

## Bacteria Data

**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)**

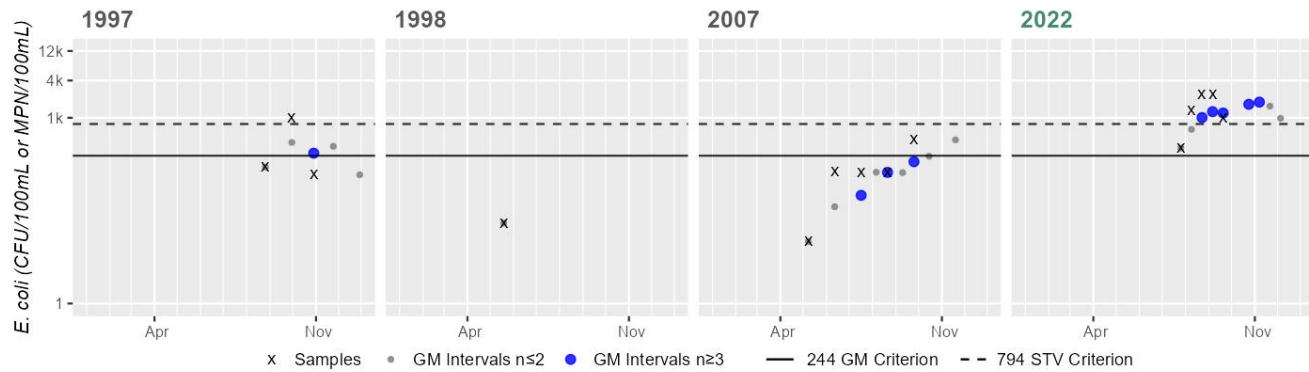
[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_KPT700	Housatonic Valley Association	<i>E. coli</i>	07/26/22	09/20/22	5	325	2419	1194
W0371	MassDEP	<i>E. coli</i>	08/26/97	10/29/97	3	120	1000	267
W0371	MassDEP	<i>E. coli</i>	05/19/98	05/19/98	1	20	20	19

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W0371	MassDEP	E. coli	05/08/07	09/25/07	5	10	440	99
W0372	MassDEP	E. coli	08/26/97	10/29/97	3	160	340	264
W0372	MassDEP	E. coli	05/19/98	05/19/98	1	20	20	19
W0463	MassDEP	E. coli	05/19/98	05/19/98	1	60	60	59
W1114	MassDEP	E. coli	05/22/02	09/25/02	5	30	210	117

### Station HVA\_KPT700 & MASSDEP\_W0371 - Escherichia coli

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	3
SeasGM	267
#GMI	1
#GMI Ex	1
%GMI Ex	100%
n>STV	1
%n>STV	33%

Variable*	Result
Samples	1
SeasGM	20
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Variable*	Result
Samples	5
SeasGM	99
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Variable*	Result
Samples	5
SeasGM	1194
#GMI	5
#GMI Ex	5
%GMI Ex	100%
n>STV	4
%n>STV	80%

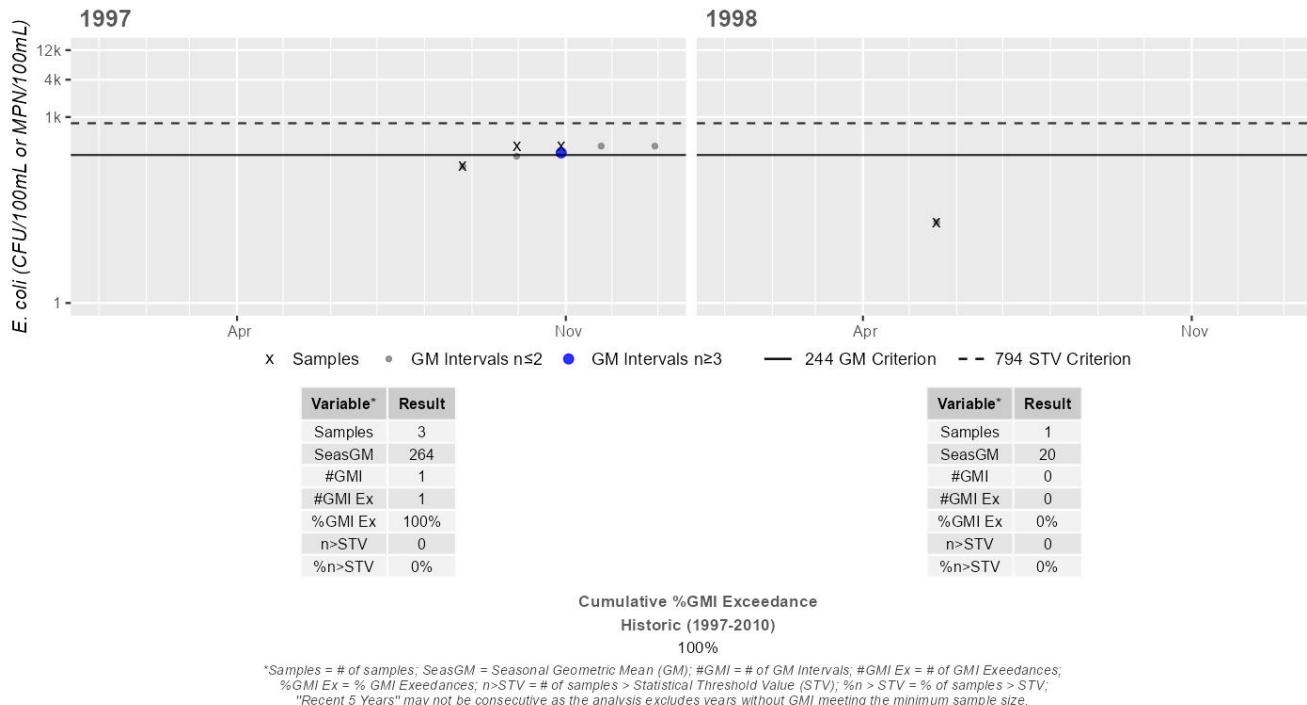
#### Cumulative %GMI Exceedance Historic (1997-2010)      Current (2011-2022)

25%      100%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

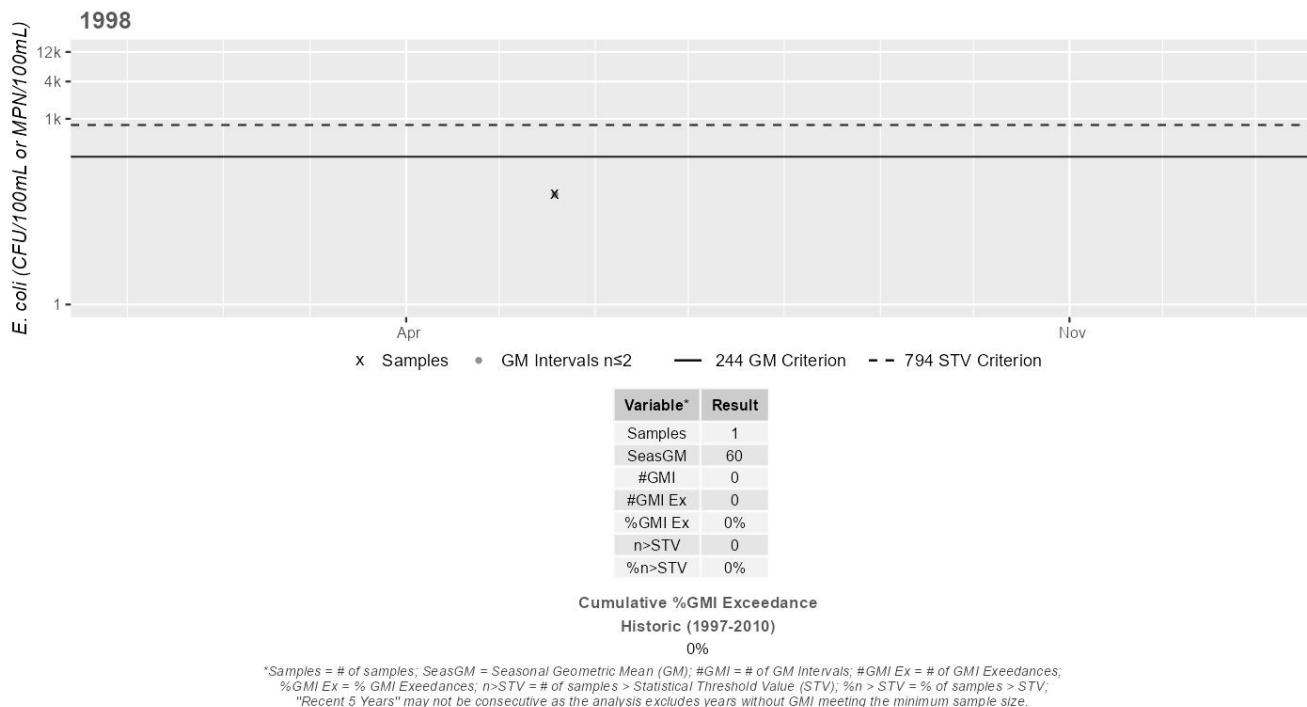
### Station MASSDEP\_W0372 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



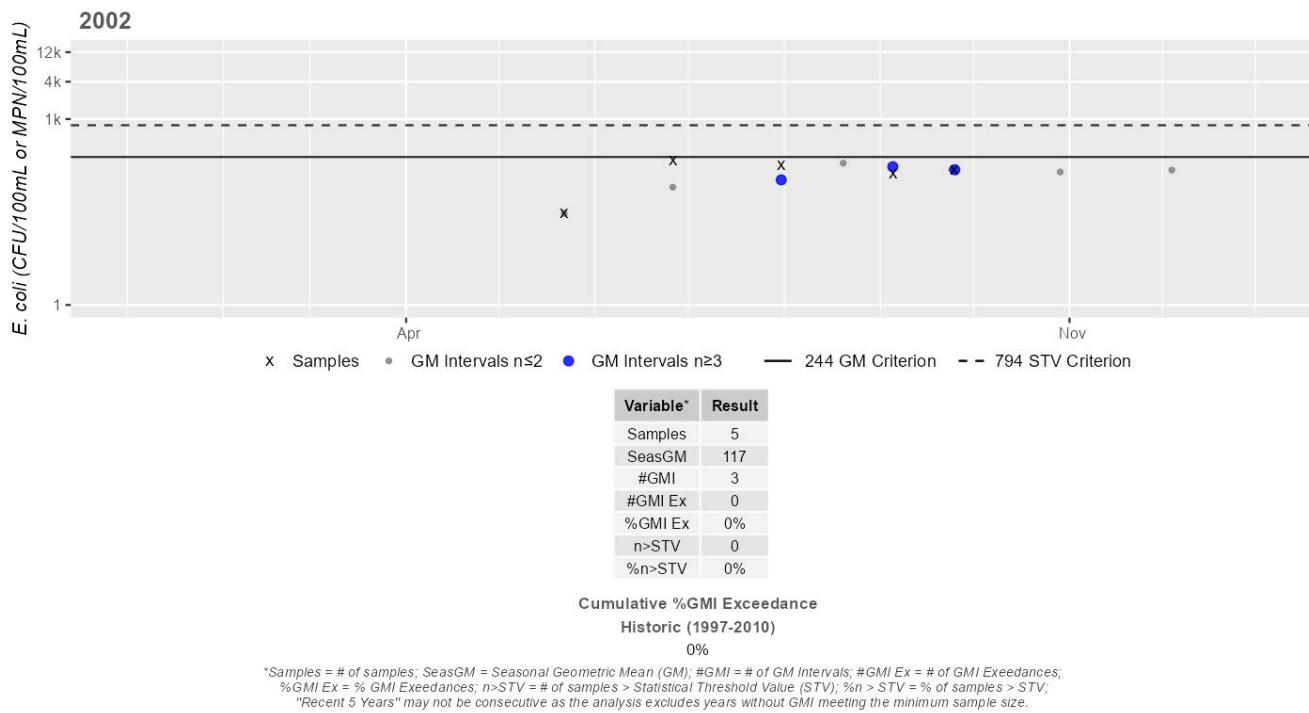
### Station MASSDEP\_W0463 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



**Station MASSDEP\_W1114 - *Escherichia coli***

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Lake Averic (MA21006)

<b>Location:</b>	Stockbridge.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	38 ACRES
<b>Classification/Qualifier:</b>	A: PWS, ORW

No usable data were available for Lake Averic (MA21006) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

## Lake Buel (MA21014)

<b>Location:</b>	Monterey/New Marlborough.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	191 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Brittle Naiad, Najas Minor*)	--	Unchanged
5	5	(Curly-leaf Pondweed*)	--	Unchanged
5	5	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
5	5	(Non-Native Aquatic Plants*)	--	Removed
5	5	Dissolved Oxygen	--	Unchanged
5	5	Dissolved Oxygen Supersaturation	--	Unchanged
5	5	Phosphorus, Total	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Brittle Naiad, Najas Minor*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Curly-leaf Pondweed*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Dissolved Oxygen	Internal Nutrient Recycling (N)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--
Dissolved Oxygen Supersaturation	Internal Nutrient Recycling (N)	X	--	--	--	--
Dissolved Oxygen Supersaturation	Source Unknown (N)	X	--	--	--	--
Phosphorus, Total	Internal Nutrient Recycling (N)	X	--	--	--	--
Phosphorus, Total	Source Unknown (N)	X	--	--	--	--

## Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Non-Native Aquatic Plants	Clarification of listing cause	The Non-Native Aquatic Plants impairment will be removed to be consistent with a “Clarification of Listing Cause” under the Aquatic Life Use submitted for the 2018/20 IR, where it was identified that the generic “Non-Native Aquatic Plants” cause was not needed since a number of specific non-native plant species causes were already being utilized. The specific macrophyte cause codes “Eurasian water milfoil ( <i>Myriophyllum spicatum</i> )”, “Brittle naiad ( <i>Najas minor</i> )”, and “Curly-leaf pondweed ( <i>Potamogeton crispus</i> )” will continue to be maintained under the Aquatic Life Use.

## Non-Native Aquatic Plants

Please see removal comment above.

# Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment	Alert
Insufficient Information	No

### 2024/26 Use Attainment Summary

There is Insufficient Information to assess the Fish Consumption Use for Lake Buel (MA21014). Fish toxics sampling was conducted in Lake Buel (MA21014) at station F0131 in 2018 and 2022 as part of the MassDEP Office of Research and Standards Mercury Initiative. However, no site-specific fish consumption advisory was issued by MDPH.

## Fish Consumption Advisories

### Summary of Fish Toxics Sampling and Resulting Fish Consumption Advisories (MassDEP Undated 5)

Summary Statement
Fish toxics sampling was conducted in Lake Buel (MA21014) at station F0131 in 2018 and 2022 as part of the MassDEP Office of Research and Standards Mercury Initiative. No site-specific fish consumption advisory was issued by MDPH.

## Aesthetic

2024/26 Use Attainment	Alert
Insufficient Information	NO

### 2024/26 Use Attainment Summary

Too limited data are available to evaluate the Aesthetics Use of Lake Buel (MA21014), so it is assessed as having Insufficient Information. Since the Eurasian Water Milfoil (*Myriophyllum Spicatum*) impairment was redundantly duplicated across multiple uses for this waterbody, this impairment is being removed from the Aesthetics Use but will continue to be maintained under the Aquatic Life Use. The Non-Native Aquatic Plants impairment will also be removed from the Aesthetics Use to be consistent with a “Clarification of Listing Cause” under the Aquatic Life Use submitted for the 2018/20IR, where it was identified that the generic “Non-Native Aquatic Plants” cause was not needed since a number of specific non-native plant species causes were already being utilized, including the “Eurasian water milfoil (*Myriophyllum spicatum*)”, “Brittle naiad (*Najas minor*)”, and “Curly-leaf pondweed (*Potamogeton crispus*)”. The specific non-native plant species causes will continue be maintained under the Aquatic Life Use.

## Aesthetic Observations

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	NO

### 2024/26 Use Attainment Summary

Too limited data are available to evaluate the Primary Contact Recreation Use of Lake Buel (MA21014), so it is assessed as having Insufficient Information. Since the Eurasian Water Milfoil (*Myriophyllum spicatum*) and Non-Native Aquatic Plants impairments are being removed from the Aesthetics Use this cycle, these impairments are also being removed from the Primary Contact Recreation Use.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	NO

### 2024/26 Use Attainment Summary

Too limited data are available to evaluate the Secondary Contact Recreation Use of Lake Buel (MA21014), so it is assessed as having Insufficient Information. Since the Eurasian Water Milfoil (*Myriophyllum spicatum*) and Non-Native Aquatic Plants impairments are being removed from the Aesthetics Use this cycle, these impairments are also being removed from the Secondary Contact Recreation Use.

## Lake Garfield (MA21040)

<b>Location:</b>	Monterey.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	255 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--		Unchanged
5	5	(Fanwort*)	--		Unchanged
5	5	Dissolved Oxygen	--		Unchanged
5	5	Mercury in Fish Tissue	--		Unchanged
5	5	Phosphorus, Total	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Fanwort*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--
Mercury in Fish Tissue	Atmospheric Deposition (Y)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--
Phosphorus, Total	Source Unknown (N)	X	--	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

#### 2024/26 Use Attainment Summary

The Fish Consumption Use for Lake Garfield (MA21040) continues to be assessed as Not Supporting and the prior Mercury in Fish Tissue impairment is being carried forward. Fish toxics sampling was conducted in Lake Garfield (MA21040) at station F0157 in 2018 and 2022 as part of the MassDEP Office of Research and Standards Mercury Initiative. MDPH included a site-specific advisory for Lake Garfield (referred to by MDPH as "Garfield, Lake") in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

### Fish Consumption Advisories

**Summary of Fish Toxics Sampling and Resulting Fish Consumption Advisories (MA DPH 2025)** (MassDEP Undated 5)

#### Summary Statement

Fish toxics sampling was conducted in Lake Garfield (MA21040) at station F0157 in 2018 and 2022 as part of the MassDEP Office of Research and Standards Mercury Initiative. MDPH retained the existing site-specific fish consumption advisories for Mercury associated with Lake Garfield (referred to by MDPH as Garfield, Lake) in their January 2025 Freshwater Fish Consumption Advisory List. The site-specific DPH advisories are indicative of a Fish Consumption Use impairment for Mercury in Fish Tissue for Lake Garfield (MA21040).

### Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

#### 2024/26 Use Attainment Summary

No data are available, so the Aesthetics Use for Lake Garfield (MA21040) is Not Assessed.

### Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

**2024/26 Use Attainment Summary**

No bacteria or other indicator data for Lake Garfield (MA21040) are available, so the Primary Contact Recreation Use is Not Assessed.

**Secondary Contact Recreation**

2024/26 Use Attainment	Alert
Not Assessed	NO

**2024/26 Use Attainment Summary**

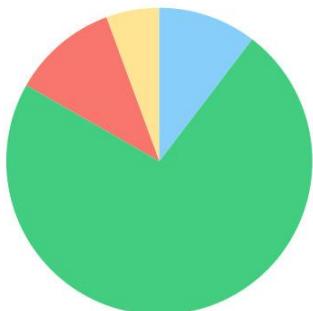
No bacteria or other indicator data for Lake Garfield (MA21040) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

## Larrywaug Brook (MA21-29)

<b>Location:</b>	Headwaters, outlet Stockbridge Bowl, Stockbridge to mouth at confluence with Housatonic River, Stockbridge.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.9 MILES
<b>Classification/Qualifier:</b>	B

### Larrywaug Brook (MA21-29)

Watershed Area: 15.10 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	15.10	7.88	3.54	1.87
Agriculture	5.6%	7.7%	2%	0.9%
Developed	11.1%	9.1%	7.8%	8.3%
Natural	72.9%	71.6%	70.2%	70.4%
Wetland	10.4%	11.7%	20%	20.4%
Impervious	4.2%	3.7%	3.3%	3.7%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No
<b>2024/26 Use Attainment Summary</b>	
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Larrywaug Brook (MA21-29) is Not Assessed.	

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Larrywaug Brook (MA21-29), so it is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Larrywaug Brook (MA21-29) are available, so the Primary Contact Recreation Use is Not Assessed.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Larrywaug Brook (MA21-29) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. MassDEP staff collected *E. coli* bacteria samples in Larrywaug Brook (MA21-29) at W1561 [S of Rt. 90, between Rt. 183 and the old stone bridge abutments upstream of Rd, Stockbridge] from May-Sep 2007 (n=5). Historic *E. coli* data from W1561 meet 2024 CALM guidance. Since these data were collected prior to the current IR window (2011-2022) the Secondary Contact Recreation Use cannot be positively assessed using bacteria data.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1561	MassDEP	Water Quality	Larrywaug Brook	[south of Route 90, between Route 183 and the old stone bridge abutments upstream of road, Stockbridge]	42.301905	-73.334371

## Bacteria Data

### Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)

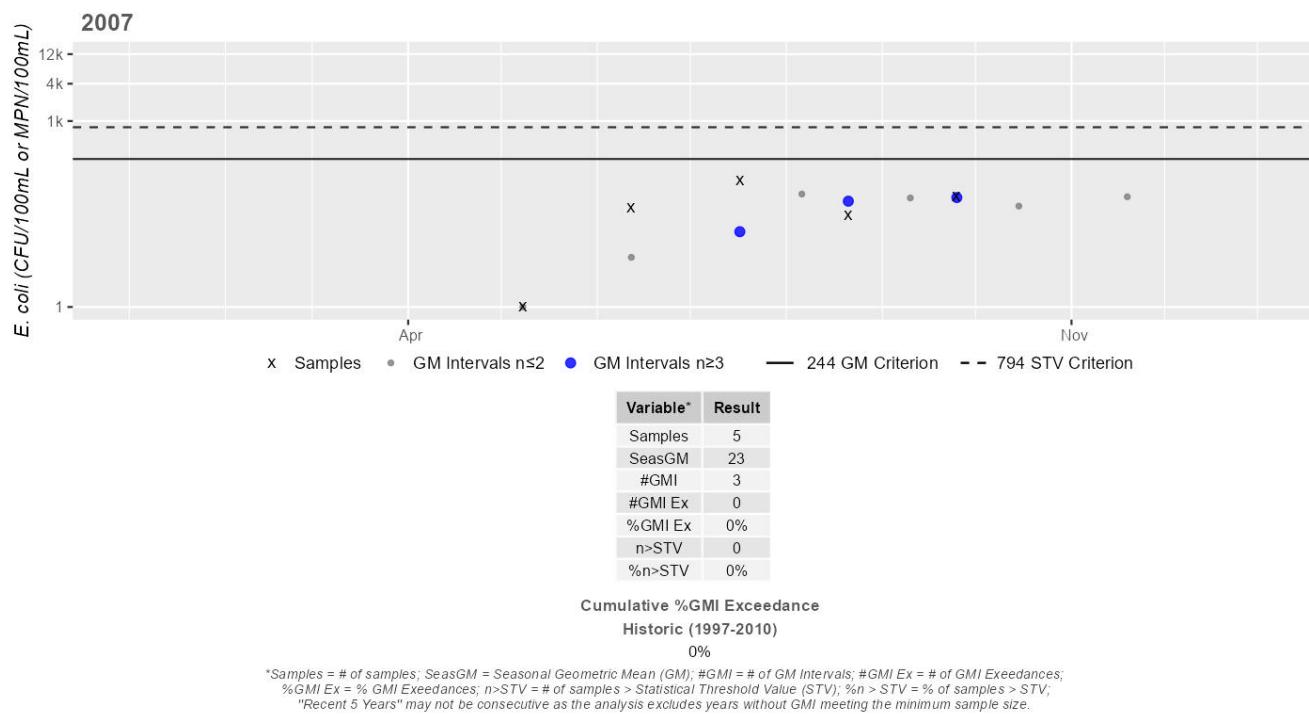
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W1561	MassDEP	E. coli	05/08/07	09/25/07	5	1	110	23

### Station MASSDEP\_W1561 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Laurel Lake (MA21057)

<b>Location:</b>	Lee/Lenox.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	174 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Brittle Naiad, Najas Minor*)	--	Unchanged
5	5	(Curly-leaf Pondweed*)	--	Unchanged
5	5	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
5	5	(Water Chestnut*)	--	Unchanged
5	5	(Zebra Mussel, Dreissena Polymorph*)	--	Unchanged
5	5	Dissolved Oxygen	--	Unchanged
5	5	Dissolved Oxygen Supersaturation	--	Unchanged
5	5	Phosphorus, Total	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Brittle Naiad, Najas Minor*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Curly-leaf Pondweed*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Water Chestnut*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Zebra Mussel, <i>Dreissena Polymorph</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--
Dissolved Oxygen Supersaturation	Source Unknown (N)	X	--	--	--	--
Phosphorus, Total	Internal Nutrient Recycling (N)	X	--	--	--	--

## Recommendations

2024/26 Recommendations
2024/2026 IR [Harmful Algal Blooms, Medium] Follow-up monitoring should be conducted in Laurel Lake (MA21057) to determine if Harmful Algal Blooms may be impairing the Recreational and Aesthetic uses. Monitoring should include observational data and collection of cyanobacteria cell count data, as well as continued reporting of algal blooms to MDPH.

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Laurel Lake (MA21057) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Insufficient Information	YES

### 2024/26 Use Attainment Summary

Too limited data are available to evaluate the Aesthetics Use of Laurel Lake (MA21057) so it is assessed as having Insufficient Information. However an Alert is being identified for Harmful Algal Blooms in this waterbody since C-HAB postings (blooms >15 days in duration) were reported to MDPH for 2021. During the period 2015 through 2022, C-HAB postings for this Laurel Lake AU were reported to MDPH based on visual observations for 62 days in 2021, and no blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, an Alert is being identified for Harmful Algal Blooms and a recommendation for follow-up sampling will be made. There are no other data available to assess the status of the Aesthetics Use for Laurel Lake.

## Algal Bloom Information

**Cyanobacteria Harmful Algal Bloom (C-HAB) Summary Statements for 2015-2022 MDPH Data** (Bailey, Logan April 26, 2023) (MassDEP Undated 1)

C-HAB Summary Statement
During the period 2015 through 2022, C-HAB postings for Laurel Lake (MA21057) were reported to MDPH based on visual observations for 62 days in 2021. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, an Alert is being identified for C-HABs in this waterbody and a recommendation for follow-up sampling will be made.

**Cyanobacteria Harmful Algal Bloom (C-HAB) Data (2015-2022) Provided by MDPH** (Bailey, Logan April 26, 2023) (MassDEP Undated 1)

[\* indicates a C-HAB posting of unknown duration]

DEP Waterbody (DPH Waterbody)	DPH Town	Posting Days 2015	Posting Days 2016	Posting Days 2017	Posting Days 2018	Posting Days 2019	Posting Days 2020	Posting Days 2021	Posting Days 2022
Laurel Lake	Lee/Lenox							62	

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	YES

**2024/26 Use Attainment Summary**

No bacteria data are available to assess the Primary Contact Recreation Use for Laurel Lake (MA21057) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. An Alert is being identified for Harmful Algal Bloom and additional sampling is recommended for this AU. During the period 2015 through 2022, C-HAB postings for Laurel Lake (MA21057) were reported to MDPH based on visual observations for 62 days in 2021. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, a Harmful Algal Bloom Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made.

**Secondary Contact Recreation**

2024/26 Use Attainment	Alert
Insufficient Information	YES

**2024/26 Use Attainment Summary**

No bacteria data are available to assess the Secondary Contact Recreation Use for Laurel Lake (MA21057) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. An Alert is being identified for Harmful Algal Bloom and additional sampling is recommended for this AU. During the period 2015 through 2022, C-HAB postings for Laurel Lake (MA21057) were reported to MDPH based on visual observations for 62 days in 2021. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, a Harmful Algal Bloom Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made.

## Lenox Mountain Brook (MA21-47)

<b>Location:</b>	Outlet Lenox Reservoir, Lenox to mouth at confluence with Cone Brook, Richmond.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.1 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Lenox Mountain Brook (MA21-47) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Long Pond (MA21062)

<b>Location:</b>	Great Barrington.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	114 ACRES
<b>Classification/Qualifier:</b>	A: PWS, ORW

No usable data were available for Long Pond (MA21062) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

## Long Pond Brook (MA21-14)

<b>Location:</b>	Headwaters, outlet Long Pond, Great Barrington to mouth at confluence with Seekonk Brook, Great Barrington.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Long Pond Brook (MA21-14) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
4c	4c	(Dewatering*)	--		Unchanged

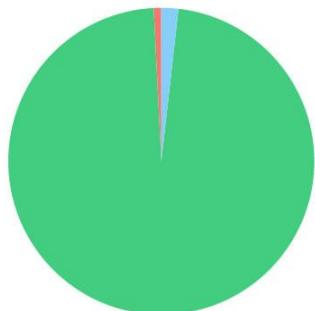
Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Dewatering*)	Impacts from Hydrostructure Flow Regulation/Modification (Y)	X	--	--	--	--

# Lulu Brook (MA21-64)

<b>Location:</b>	Headwaters, perennial portion, northeast of Berry Pond Circuit Road, Hancock to mouth at confluence with Parker Brook, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.7 MILES
<b>Classification/Qualifier:</b>	B

## Lulu Brook (MA21-64)

Watershed Area: 1.21 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	1.21	1.21	0.36	0.36
Agriculture	0%	0%	0%	0%
Developed	0.8%	0.8%	1.8%	1.8%
Natural	97.4%	97.4%	93.1%	93.1%
Wetland	1.8%	1.8%	5.1%	5.1%
Impervious	0.6%	0.6%	1.6%	1.6%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Recommendations

### 2024/26 Recommendations

2024/2026 IR [Bacteria, Low] High frequency follow-up monitoring should be conducted in Lulu Brook (MA21-64), to confirm if *Enterococcus* bacteria are impairing the Recreational uses. MDPH indicated Lulu Pond (DCR) [Beach ID: 4792] beach in Pittsfield was posted for >10% of the swimming season in 2021 (45%).

## Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment		Alert
Not Assessed		No

### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Lulu Brook (MA21-64) is Not Assessed.

## Aesthetic

2024/26 Use Attainment		Alert
Not Assessed		NO

### 2024/26 Use Attainment Summary

No data are available, so the Aesthetics Use for Lulu Brook (MA21-64) is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment		Alert
Fully Supporting		YES

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Lulu Brook (MA21-64) is assessed as Fully Supporting. Lulu Brook (MA21-64) has a beach with DPH Beach Closure data: Lulu Pond (DCR) [Beach ID: 4792] beach in Pittsfield. The beach was rarely, if at all, posted for swimming from 2018-2022. An Alert for *Enterococcus* is being identified since Lulu Pond Beach (DCR) was posted for >10% of the swimming season in 2021 (45%).

## Beach Postings

**MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022)** (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 2)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
4792	Lulu Pond Beach (DCR)/ Pittsfield	42.49338, -73.29990	42.49323, -73.29950	11%	10%	39%	0%	0%	7%	10%	45%	10%	3

## Secondary Contact Recreation

2024/26 Use Attainment		Alert

Fully Supporting	NO
------------------	----

#### **2024/26 Use Attainment Summary**

The Secondary Contact Recreation Use for Lulu Brook (MA21-64) is assessed as Fully Supporting. Lulu Brook (MA21-64) has a beach with DPH Beach Closure data: Lulu Pond (DCR) [Beach ID: 4792] beach in Pittsfield. The beach was rarely, if at all, posted for swimming from 2018-2022.

## Mansfield Pond (MA21065)

<b>Location:</b>	Great Barrington.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	28 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Mansfield Pond (MA21065) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
4c	4c	(Curly-leaf Pondweed*)	--		Unchanged
4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Curly-leaf Pondweed*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

## Mill Brook (MA21-55)

<b>Location:</b>	Headwaters, outlet Mill Brook Reservoir, Washington to mouth at confluence with Housatonic River, Lenox.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.8 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Mill Brook (MA21-55) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Mill Pond (MA21069)

<b>Location:</b>	Egremont.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	10 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Mill Pond (MA21069) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

## Mohawk Brook (MA21-78)

<b>Location:</b>	Headwaters, outlet Mohawk Lake, Stockbridge to mouth at confluence with Housatonic River, Stockbridge.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.4 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Mohawk Brook (MA21-78) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Morewood Lake (MA21071)

<b>Location:</b>	Pittsfield.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	20 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	PCBs in Fish Tissue	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
PCBs in Fish Tissue	CERCLA NPL (Superfund) Sites (Y)	--	X	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

2024/26 Use Attainment Summary
The Fish Consumption Use for Morewood Lake (MA21071) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue impairment is being carried forward. DPH included a site-specific advisory for Morewood Lake in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No data are available, so the Aesthetics Use for Morewood Lake (MA21071) is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Morewood Lake (MA21071) are available, so the Primary Contact Recreation Use is Not Assessed.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Morewood Lake (MA21071) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

## Mount Lebanon Brook (MA21-70)

<b>Location:</b>	Headwaters, north of Lebanon Mountain Road (Route 20), Hancock to mouth at inlet Richmond Pond, Richmond.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Mount Lebanon Brook (MA21-70) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Muddy Brook (MA21-50)

<b>Location:</b>	Headwaters outlet small wetland northeast of the Monument Valley Road and Route 23 intersection, Great Barrington to mouth at confluence with Stony Brook, Great Barrington (excluding approximately 0.3 miles through the waters impounded by Barbieri Dam (NAT ID# MA00039)).
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3.1 MILES
<b>Classification/Qualifier:</b>	B: CWF

No usable data were available for Muddy Brook (MA21-50) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

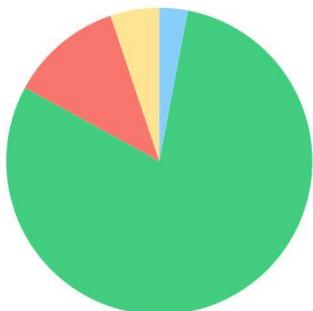
AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

## Onota Brook (MA21-80)

<b>Location:</b>	Headwaters outlet Onota Lake, Pittsfield to mouth at confluence with West Branch Housatonic River, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.4 MILES
<b>Classification/Qualifier:</b>	B

### Onota Brook (MA21-80)

Watershed Area: 11.40 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	11.40	6.46	4.41	2.83
Agriculture	5.2%	8.5%	3.7%	5.7%
Developed	11.9%	20%	9.4%	13.9%
Natural	80%	66.7%	82.5%	74.4%
Wetland	3%	4.8%	4.3%	6.1%
Impervious	3.8%	6.2%	3.8%	5.4%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
4c	4c	(Habitat Assessment*)	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Habitat Assessment*)	Loss of Riparian Habitat (Y)	X	--	--	--	--

## Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Onota Brook (MA21-80) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No data are available, so the Aesthetics Use for Onota Brook (MA21-80) is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Onota Brook (MA21-80) are available, so the Primary Contact Recreation Use is Not Assessed.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Onota Brook (MA21-80) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. MassDEP staff collected *E. coli* bacteria samples in Onota Brook (MA21-80) at W1570 [most downstream crossing of Pecks Rd, Pittsfield] from May-Sep 2007 (n=5). Historic *E. coli* data from W1570 meet 2024 CALM guidance. Since these data were collected prior to the current IR window (2011-2022) the Secondary Contact Recreation Use cannot be positively assessed using bacteria data.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1570	MassDEP	Water Quality	Onota Brook	[most downstream crossing of Pecks Road, Pittsfield]	42.469488	-73.256542

## Bacteria Data

### Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)

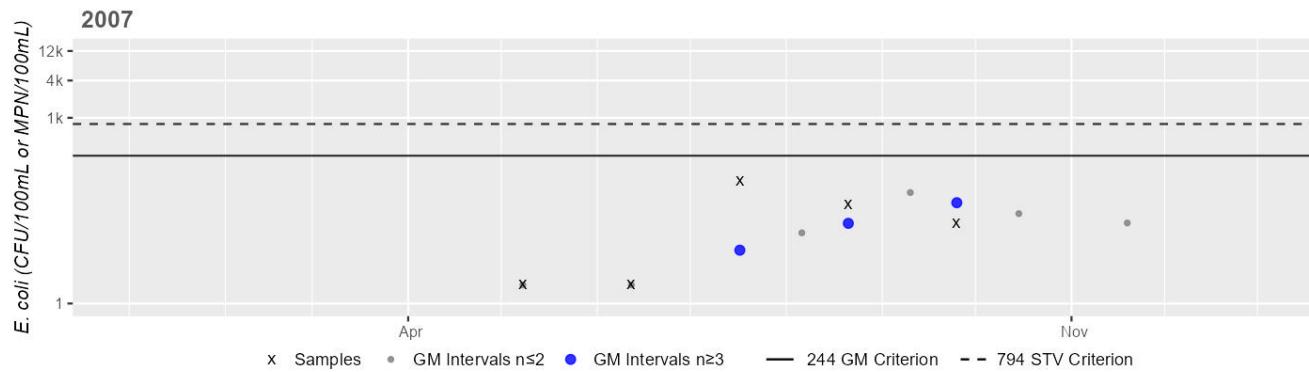
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W1570	MassDEP	E. coli	05/08/07	09/25/07	5	2	96	12

#### Station MASSDEP\_W1570 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	5
SeasGM	12
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

#### Cumulative %GMI Exceedance

Historic (1997-2010)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Onota Lake (MA21078)

<b>Location:</b>	Pittsfield.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	664 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Brittle Naiad, Najas Minor*)	--	Unchanged
5	5	(Curly-leaf Pondweed*)	--	Unchanged
5	5	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged
5	5	(Water Chestnut*)	--	Unchanged
5	5	Dissolved Oxygen	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Brittle Naiad, Najas Minor*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Curly-leaf Pondweed*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Water Chestnut*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Insufficient Information	No

### 2024/26 Use Attainment Summary

There is Insufficient Information to assess the Fish Consumption Use for Onota Lake (MA21078). Fish toxics sampling was conducted in Onota Lake (MA21078) at station F0376 in 2020 and 2023 as part of the MassDEP Office of Research and Standards Mercury Initiative. However, no site-specific fish consumption advisory was issued by MDPH.

### *Fish Consumption Advisories*

#### Summary of Fish Toxics Sampling and Resulting Fish Consumption Advisories (MassDEP Undated 5)

Summary Statement
Fish toxics sampling was conducted in Onota Lake (MA21078) at station F0376 in 2020 and 2023 as part of the MassDEP Office of Research and Standards Mercury Initiative. No site-specific fish consumption advisory was issued by MDPH.

### Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Onota Lake (MA21078), so it is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Onota Lake (MA21078) are available, so the Primary Contact Recreation Use is Not Assessed.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Onota Lake (MA21078) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

## Parker Brook (MA21-63)

<b>Location:</b>	Headwaters, outlet Tilden Swamp, Hancock to mouth at inlet Onota Lake, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3.2 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Parker Brook (MA21-63) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Plunkett Reservoir (MA21082)

<b>Location:</b>	Hinsdale.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	73 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
4c	5	(Brittle Naiad, Najas Minor*)	--		Unchanged
4c	5	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--		Unchanged
4c	5	Mercury in Fish Tissue	--		Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Brittle Naiad, Najas Minor*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Eurasian Water Milfoil, Myriophyllum Spicatum*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Mercury in Fish Tissue	Atmospheric Deposition (N)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--

## Recommendations

2024/26 Recommendations
2024/2026 IR [Harmful Algal Blooms, Medium] Follow-up monitoring should be conducted in Plunkett Reservoir (MA21082) to determine if Harmful Algal Blooms may be impairing the Recreational and Aesthetic uses. Monitoring should include observational data and collection of cyanobacteria cell count data, as well as continued reporting of algal blooms to MDPH.

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

2024/26 Use Attainment Summary
The Fish Consumption Use for Plunkett Reservoir (MA21082) is assessed as Not Supporting with a new impairment being added for Mercury in Fish Tissue. Fish toxics sampling for metals (mercury, arsenic, cadmium and selenium) was performed by MassDEP WPP biologists in Plunkett Reservoir (MA21082) at station F0256 in 2020 at the recommendation of the Interagency Committee on Freshwater Fish Toxics Monitoring and Assessment in response to a public request for monitoring. MDPH issued a site-specific advisory for Mercury in Plunkett Reservoir in their June 2021 Freshwater Fish Consumption Advisory List and retained it in the January 2025 list. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations. The likely source of Mercury, although not confirmed, is atmospheric deposition.

### Fish Consumption Advisories

**Summary of Fish Toxics Sampling and Resulting Fish Consumption Advisories** (MA DPH 2025) (MassDEP Undated 5)

Summary Statement
Fish toxics sampling for metals (mercury, arsenic, cadmium and selenium) was performed by MassDEP WPP biologists in Plunkett Reservoir (MA21082) at station F0256 in 2020 at the recommendation of the Interagency Committee on Freshwater Fish Toxics Monitoring and Assessment in response to a public request for monitoring. Because of elevated Mercury measured in fish fillets, MDPH issued site-specific fish consumption advisories for Plunkett Reservoir in their June 2021 Freshwater Fish Consumption Advisory List and retained them in the January 2025 list. The site-specific DPH advisories are indicative of a Fish Consumption Use impairment for Mercury in Fish Tissue for Plunkett Reservoir (MA21082).

## Aesthetic

2024/26 Use Attainment	Alert
Insufficient Information	YES

### 2024/26 Use Attainment Summary

Too limited data are available to evaluate the Aesthetics Use of Plunkett Reservoir (MA21082) so it is assessed as having Insufficient Information. However an Alert is being identified for Harmful Algal Blooms in this waterbody since C-HAB postings (blooms >15 days in duration) were reported to MDPH for 2019 and 2020. During the period 2015 through 2022, C-HAB postings for this Plunkett Reservoir AU were reported to MDPH based on visual observations for 41 days in 2019, 50 days in 2020, and 8 days in 2021, and no blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, an Alert is being identified for Harmful Algal Blooms and a recommendation for follow-up sampling will be made. There are no other data available to assess the status of the Aesthetics Use for Plunkett Reservoir.

## Algal Bloom Information

**Cyanobacteria Harmful Algal Bloom (C-HAB) Summary Statements for 2015-2022 MDPH Data** (Bailey, Logan April 26, 2023) (MassDEP Undated 1)

C-HAB Summary Statement
During the period 2015 through 2022, C-HAB postings for Plunkett Reservoir (MA21082) were reported to MDPH based on visual observations for 41 days in 2019, 50 days in 2020, and 8 days in 2021. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, an Alert is being identified for C-HABs in this waterbody and a recommendation for follow-up sampling will be made.

**Cyanobacteria Harmful Algal Bloom (C-HAB) Data (2015-2022) Provided by MDPH** (Bailey, Logan April 26, 2023)

(MassDEP Undated 1)

[\* indicates a C-HAB posting of unknown duration]

DEP Waterbody (DPH Waterbody)	DPH Town	Posting Days 2015	Posting Days 2016	Posting Days 2017	Posting Days 2018	Posting Days 2019	Posting Days 2020	Posting Days 2021	Posting Days 2022
Plunkett Reservoir	Hinsdale					41	50	8	

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	YES

**2024/26 Use Attainment Summary**

No bacteria data are available to assess the Primary Contact Recreation Use for Plunkett Reservoir (MA21082) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. An Alert is being identified for Harmful Algal Bloom and additional sampling is recommended for this AU. During the period 2015 through 2022, C-HAB postings for Plunkett Reservoir (MA21082) were reported to MDPH based on visual observations for 41 days in 2019, 50 days in 2020, and 8 days in 2021. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, a Harmful Algal Bloom Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made.

**Secondary Contact Recreation**

2024/26 Use Attainment	Alert
Insufficient Information	YES

**2024/26 Use Attainment Summary**

No bacteria data are available to assess the Secondary Contact Recreation Use for Plunkett Reservoir (MA21082) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. An Alert is being identified for Harmful Algal Bloom and additional sampling is recommended for this AU. During the period 2015 through 2022, C-HAB postings for Plunkett Reservoir (MA21082) were reported to MDPH based on visual observations for 41 days in 2019, 50 days in 2020, and 8 days in 2021. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, a Harmful Algal Bloom Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made.

## Pontoosuc Lake (MA21083)

<b>Location:</b>	Lanesborough/Pittsfield.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	500 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	5	(Brittle Naiad, Najas Minor*)	--	Unchanged
4a	5	(Curly-leaf Pondweed*)	--	Unchanged
4a	5	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
4a	5	(Water Chestnut*)	--	Unchanged
4a	5	Mercury in Fish Tissue	33880	Unchanged
4a	5	PFAS in Fish Tissue	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Brittle Naiad, Najas Minor*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Curly-leaf Pondweed*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Eurasian Water Milfoil, Myriophyllum Spicatum*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Water Chestnut*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Mercury in Fish Tissue	Atmospheric Deposition (Y)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--
PFAS in Fish Tissue	Source Unknown (N)	--	X	--	--	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

2024/26 Use Attainment Summary
The Fish Consumption Use for Pontoosuc Lake (MA21083) continues to be assessed as Not Supporting. The prior Mercury in Fish Tissue impairment is being carried forward and a new impairment is being added for PFAS in Fish Tissue. Fish toxics sampling was conducted in Pontoosuc Lake (MA21083) at station F0132 (PFAS Study ID 32) on 09/21/2022 as part of a MassDEP-funded project evaluating 40 PFAS analytes in selected fresh waters. MDPH issued a site-specific advisory for PFAS in Pontoosuc Lake in their May 2024 Freshwater Fish Consumption Advisory List and retained both this advisory as well as the existing Mercury advisory in the January 2025 list. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations. No source of PFAS has been identified at this time.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
F0132	MassDEP	Fish Toxics	Pontoosuc Lake	[Pittsfield/Lanesborough (impounded by Pontoosuc Lake Dam, NAT ID: MA00309)]	42.495393	-73.248635

## **Fish Tissue Data**

**Summary of Fish Tissue Data and Resulting Fish Consumption Advisories (MA DPH 2025) (MassDEP 2023)**  
(MassDEP Undated 5)

<b>Summary</b>
Fish toxics sampling was conducted in Pontoosuc Lake (MA21083) at station F0132 (PFAS Study ID 32) on 09/21/2022 as part of a MassDEP-funded project evaluating 40 PFAS analytes in selected fresh waters. Because of elevated PFAS measured in fish filets, MDPH issued site-specific fish consumption advisories for Pontoosuc Lake in their May 2024 Freshwater Fish Consumption Advisory List and retained them in the January 2025 list. Additionally, MDPH retained the existing site-specific fish consumption advisories for Mercury associated with Pontoosuc Lake in their January 2025 Freshwater Fish Consumption Advisory List. The site-specific DPH advisories are indicative of Fish Consumption Use impairments for PFAS in Fish Tissue and Mercury in Fish Tissue for Pontoosuc Lake (MA21083).

**MassDEP 2022 PFAS in Fish Tissue Data for Massachusetts Surface Waters (MassDEP 2023) (MassDEP Undated 5)**  
(MA DPH 2023)

[ng/g = ppb. All PFBA, PFBS, and HFPO-DA (Genx) concentrations <MDL. ND indicates that the PFAS analyte was not detected in any of the composite samples (i.e., it was <MDL). Means weighted by the number of fish in the contributing composites were calculated for any PFAS analyte – waterbody – species combination where an analyte was detected in at least one sample; if a sample did not have the analyte detected, the concentration for that sample was set to 1/2\*MDL for the purposes of calculating a mean. Data are highlighted red per the fish consumption advisory thresholds summarized in Table 4.2 of MDPH's 2023 Technical Support Document for the evaluation of PFAS in recreational waterbodies.]

[Species List: BB = brown bullhead, C = common carp, YP = yellow perch]

Station Code	PFAS Study ID	Sample Date	Species	Mean PFHxS ng/g	Mean PFNA ng/g	Mean PFOA ng/g	Mean PFOS ng/g	Analytes with ≥ 1 Sample Qualified
F0132	32	09/21/2022	BB	ND	ND	ND	0.26	PFOS
F0132	32	09/21/2022	C	ND	ND	ND	1.21	
F0132	32	09/21/2022	YP	ND	ND	ND	3.15	

## **Aesthetic**

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Too limited data are available to evaluate the Aesthetics Use of Pontoosuc Lake (MA21083) so it is assessed as having Insufficient Information. During the period 2015 through 2022, C-HAB postings for this Lake Pontoosuc AU were reported to MDPH based on visual observations for 3 days in 2019 and an unknown duration in 2022. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. There are no other data available to assess the status of the Aesthetics Use for Lake Pontoosuc.

## **Algal Bloom Information**

**Cyanobacteria Harmful Algal Bloom (C-HAB) Summary Statements for 2015-2022 MDPH Data** (Bailey, Logan April 26, 2023) (MassDEP Undated 1)

<b>C-HAB Summary Statement</b>									
During the period 2015 through 2022, C-HAB postings for Pontoosuc Lake (MA21083) were reported to MDPH based on visual observations for 3 days in 2019 and based on unspecified evidence for an unknown duration in 2022. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings.									

**Cyanobacteria Harmful Algal Bloom (C-HAB) Data (2015-2022) Provided by MDPH** (Bailey, Logan April 26, 2023)

(MassDEP Undated 1)

[\* indicates a C-HAB posting of unknown duration]

DEP Waterbody (DPH Waterbody)	DPH Town	Posting Days 2015	Posting Days 2016	Posting Days 2017	Posting Days 2018	Posting Days 2019	Posting Days 2020	Posting Days 2021	Posting Days 2022
Pontoosuc Lake	Pittsfield					3			*

## **Primary Contact Recreation**

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
No bacteria data are available to assess the Primary Contact Recreation Use for Pontoosuc Lake (MA21083) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. During the period 2015 through 2022, C-HAB postings for Pontoosuc Lake (MA21083) were reported to MDPH based on visual observations for 3 days in 2019 and based on unspecified evidence for an unknown duration in 2022. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings.  Surface water sampling was conducted in Pontoosuc Lake (MA21083) at station W3295 (PFAS Study ID 32) on 09/21/2022 as part of a 2022 MassDEP funded project with ERG evaluating 40 PFAS analytes in selected fresh waters. The concentrations of the seven analytes with individual toxicity criteria (PFOA, PFOS, PFNA, PFHxS, PFBA, PFBS, HFPO-DA/GenX) were all less than the 90 ng/L (ppt) recreational screening value.

## **Monitoring Stations**

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W3295	MassDEP	Water Quality	Pontoosuc Lake	[the default location representing co-located water/fish PFAS sampling, Pittsfield/Lanesborough]	42.495393	-73.248635

### Other Indicators

#### Summary Statement(s) for MassDEP 2022 PFAS in Water Column Data (MassDEP 2023) (MassDEP Undated 4)

Summary
Surface water sampling was conducted in Pontoosuc Lake (MA21083) at station W3295 (PFAS Study ID 32) on 09/21/2022 as part of a 2022 MassDEP funded project with ERG evaluating 40 PFAS analytes in selected fresh waters. The concentrations of the seven analytes with individual toxicity criteria (PFOA, PFOS, PFNA, PFHxS, PFBA, PFBS, HFPO-DA/GenX) were all less than the 90 ng/L (ppt) recreational screening value.

#### MassDEP 2022 PFAS in Water Column Data for Massachusetts Surface Waters (MassDEP 2023) (MassDEP Undated 4)

[HFPO-DA is also known as GenX; the  $\Sigma$ PFAS6 equals the sum of PFOA, PFOS, PFNA, PFHxS, PFDA, PFHpA (not all shown individually here); \* indicates the  $\Sigma$ PFAS6 concentration was qualified since data for one or more individual PFAS6 analytes were qualified; b = blank contamination qualifier, d = qualifier indicating precision of field duplicates did not meet project data quality objectives; j = 'estimated' value qualifier; ## = censored data.]

Station Code	PFAS Study ID	Sample Date	PFOA ng/L	PFOS ng/L	PFNA ng/L	PFHxS ng/L	PFBA ng/L	PFBS ng/L	HFPO-DA ng/L	$\Sigma$ PFAS6 ng/L
W3295	32	09/21/2022	1.6j	<0.53	<0.53	<0.6	<2.1	0.58j	<2.1	4.3*

### Secondary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
No bacteria data are available to assess the Secondary Contact Recreation Use for Pontoosuc Lake (MA21083) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. During the period 2015 through 2022, C-HAB postings for Pontoosuc Lake (MA21083) were reported to MDPH based on visual observations for 3 days in 2019 and based on unspecified evidence for an unknown duration in 2022. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings.

## Prospect Lake (MA21084)

<b>Location:</b>	Egremont.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	59 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Prospect Lake (MA21084) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
4c	4c	(Curly-leaf Pondweed*)	--		Unchanged
4c	4c	(Non-Native Aquatic Plants*)	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Curly-leaf Pondweed*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Non-Native Aquatic Plants*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

## Race Brook (MA21-42)

<b>Location:</b>	Headwaters, east of the Appalachian National Scenic Trail in the Mount Washington State Forest, Mount Washington to mouth at confluence with Dry Brook, Sheffield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.6 MILES
<b>Classification/Qualifier:</b>	B: CWF

No usable data were available for Race Brook (MA21-42) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

# Rawson Brook (MA21-37)

<b>Location:</b>	Headwaters, north of Cronk Road, Monterey to mouth at confluence with Konkapot River, Monterey.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	5.9 MILES
<b>Classification/Qualifier:</b>	B

## Rawson Brook (MA21-37)

Watershed Area: 9.19 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	9.19	4.88	2.08	1.01
Agriculture	3.2%	4.5%	2.9%	4%
Developed	2.6%	2.9%	2%	2.6%
Natural	86.6%	85.1%	76.3%	72.8%
Wetland	7.6%	7.5%	18.8%	20.6%
Impervious	1.3%	1.4%	1.1%	1.4%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Rawson Brook (MA21-37) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Rawson Brook (MA21-37), so it is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Rawson Brook (MA21-37) are available, so the Primary Contact Recreation Use is Not Assessed.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Rawson Brook (MA21-37) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. MassDEP staff collected *E. coli* bacteria samples in Rawson Brook (MA21-37) at W1569 [~925 ft upstream from Wellman Rd, Monterey (~400 ft downstream from the Gould Farm MA0022705 discharge)] from May-Sep 2007 (n=5). Historic *E. coli* data from W1569 meet 2024 CALM guidance. Since these data were collected prior to the current IR window (2011-2022) the Secondary Contact Recreation Use cannot be positively assessed using bacteria data.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1569	MassDEP	Water Quality	Rawson Brook	[approximately 925 feet upstream from Wellman Road, Monterey (approximately 400 feet downstream from the Gould Farm MA0022705 discharge)]	42.173396	-73.234769

## Bacteria Data

### Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)

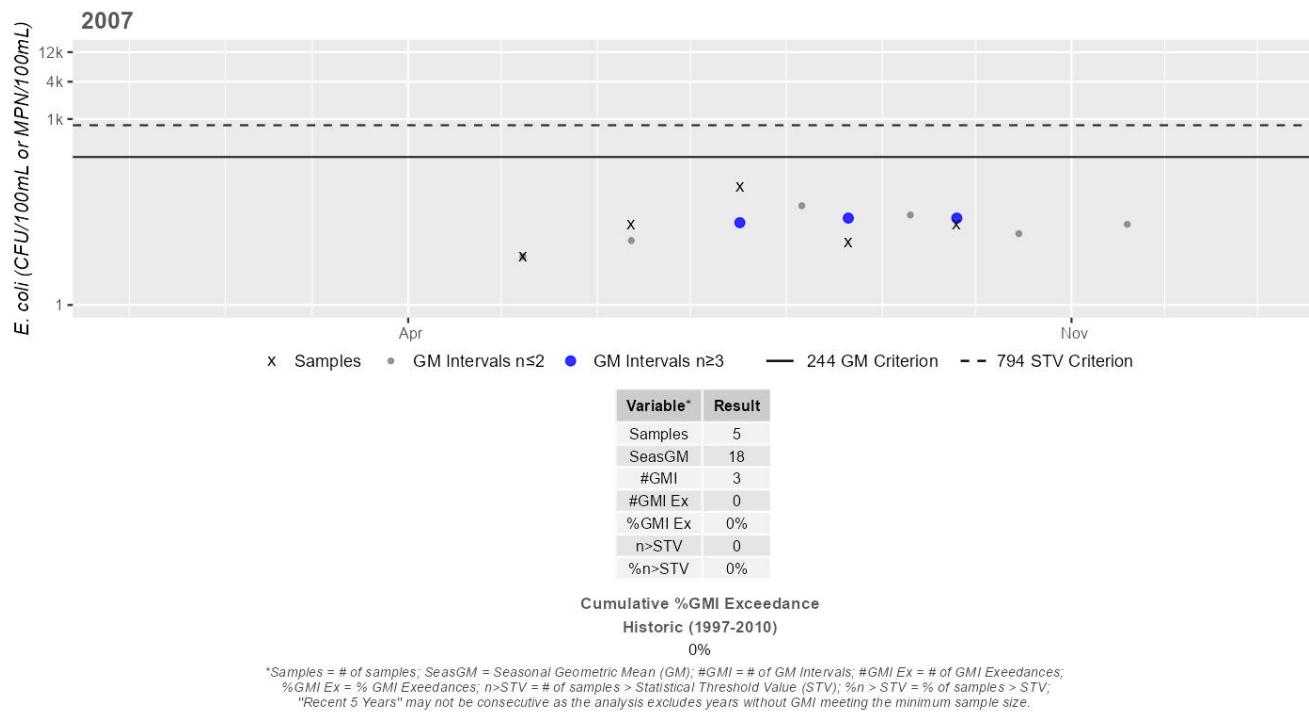
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W1569	MassDEP	E. coli	05/08/07	09/25/07	5	6	80	18

### Station MASSDEP\_W1569 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Richmond Pond (MA21088)

<b>Location:</b>	Richmond/Pittsfield.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	228 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Richmond Pond (MA21088) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4c	4c	(Brittle Naiad, Najas Minor*)	--	Unchanged
4c	4c	(Curly-leaf Pondweed*)	--	Unchanged
4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Brittle Naiad, Najas Minor*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Curly-leaf Pondweed*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

## Roaring Brook (MA21-56)

<b>Location:</b>	From Pittsfield water supply aqueduct diversion to Farnham Reservoir, Washington to mouth at confluence with Mill Brook, Lenox.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.3 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Roaring Brook (MA21-56) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

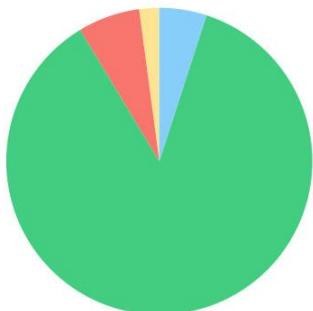
AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

# Sackett Brook (MA21-81)

<b>Location:</b>	Outlet Lower Sackett Reservoir, Hinsdale to mouth at confluence with Housatonic River, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	4.8 MILES
<b>Classification/Qualifier:</b>	B

## Sackett Brook (MA21-81)

Watershed Area: 9.21 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	9.21	4.58	4.35	1.99
Agriculture	2.1%	4.1%	1.2%	2.7%
Developed	6.5%	11.9%	5.2%	9.6%
Natural	86.4%	79.9%	84.4%	79.6%
Wetland	5%	4.2%	9.2%	8.2%
Impervious	2.3%	3.8%	1.8%	3.1%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No
2024/26 Use Attainment Summary	
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Sackett Brook (MA21-81) is Not Assessed.	

## Aesthetic

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No data are available, so the Aesthetics Use for Sackett Brook (MA21-81) is Not Assessed.	

## Primary Contact Recreation

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No bacteria or other indicator data for Sackett Brook (MA21-81) are available, so the Primary Contact Recreation Use is Not Assessed.	

## Secondary Contact Recreation

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No bacteria or other indicator data for Sackett Brook (MA21-81) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. MassDEP staff collected <i>E. coli</i> bacteria samples in Sackett Brook (MA21-81) at W1563 [E New Lenox Rd, Pittsfield] from May-Sep 2007 (n=5). Historic <i>E. coli</i> data from W1563 meet 2024 CALM guidance. Since these data were collected prior to the current IR window (2011-2022) the Secondary Contact Recreation Use cannot be positively assessed using bacteria data.	

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1563	MassDEP	Water Quality	Sackett Brook	[East New Lenox Road, Pittsfield]	42.424485	-73.225445

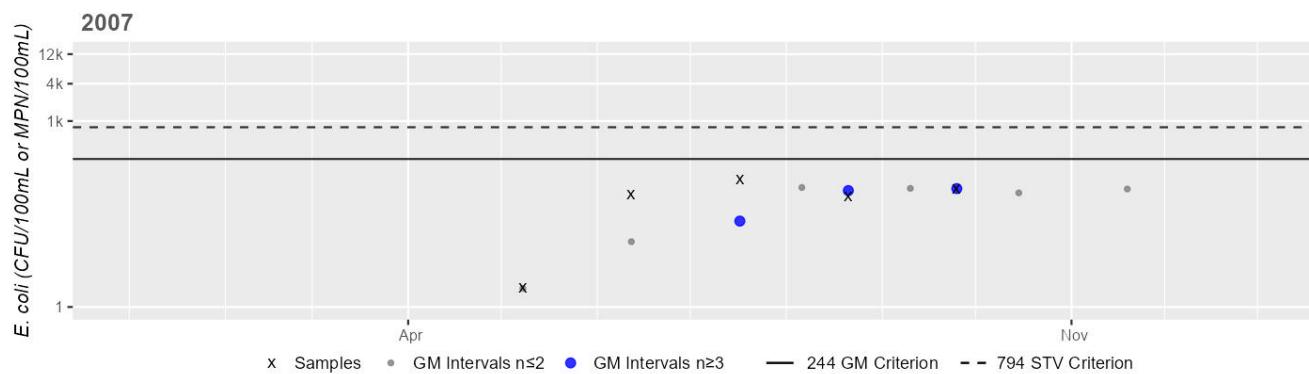
## Bacteria Data

**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)**  
(MassDEP Undated 6) (MassDEP Undated 3)  
[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W1563	MassDEP	E. coli	05/08/07	09/25/07	5	2	112	36

### Station MASSDEP\_W1563 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	5
SeasGM	36
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

#### Cumulative %GMI Exceedance Historic (1997-2010)

0%

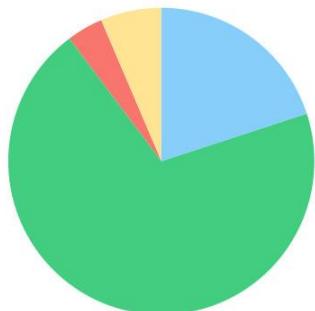
\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
%GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV;  
"Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

# Schenob Brook (MA21-79)

<b>Location:</b>	From the CN/MA border, Sheffield to mouth at confluence with Hubbard Brook, Sheffield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	10 MILES
<b>Classification/Qualifier:</b>	B

## Schenob Brook (MA21-79)

Watershed Area: 23.99 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area* (square miles)	15.82	3.81	3.47	0.80
Agriculture	6.4%	4.1%	3.2%	0.7%
Developed	3.8%	9.8%	2.9%	6.4%
Natural	69.8%	49.5%	61%	42.1%
Wetland	20%	36.6%	32.8%	50.8%
Impervious	1.4%	3.3%	1.3%	2.2%

\*Land cover analysis only includes watershed area within Massachusetts.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Schenob Brook (MA21-79) is Not Assessed.

## Aesthetic

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No data are available, so the Aesthetics Use for Schenob Brook (MA21-79) is Not Assessed.	

## Primary Contact Recreation

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No bacteria or other indicator data for Schenob Brook (MA21-79) are available, so the Primary Contact Recreation Use is Not Assessed.	

## Secondary Contact Recreation

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No bacteria or other indicator data for Schenob Brook (MA21-79) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. MassDEP staff collected <i>E. coli</i> bacteria samples in Schenob Brook (MA21-79) at W1559 [upstream at Miller Avenue, Sheffield] from May-Sep 2007 (n=5). Historic <i>E. coli</i> data from W1559 meet 2024 CALM guidance. Since these data were collected prior to the current IR window (2011-2022) the Secondary Contact Recreation Use cannot be positively assessed using bacteria data.	

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1559	MassDEP	Water Quality	Schenob Brook	[upstream at Miller Avenue, Sheffield]	42.113029	-73.352230

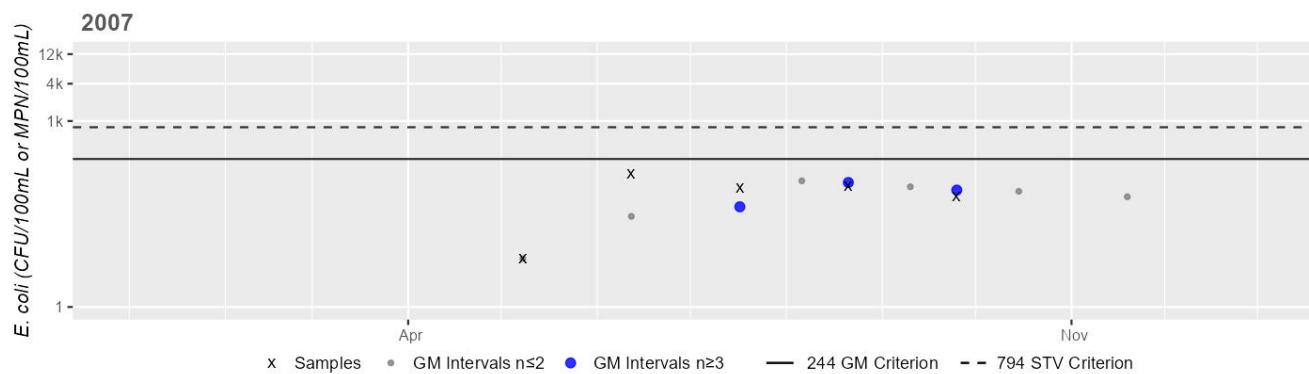
## Bacteria Data

**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)**  
(MassDEP Undated 6) (MassDEP Undated 3)  
[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W1559	MassDEP	E. coli	05/08/07	09/25/07	5	6	140	52

### Station MASSDEP\_W1559 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	5
SeasGM	52
#GMI	3
#GMI Ex	0
%GMI Ex	0%
$n > STV$	0
% $n > STV$	0%

#### Cumulative %GMI Exceedance Historic (1997-2010)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
%GMI Ex = % GMI Exceedances;  $n > STV$  = # of samples > Statistical Threshold Value (STV); % $n > STV$  = % of samples > STV;  
"Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Scribner Brook (MA21-45)

<b>Location:</b>	From NY/MA border in Alford to mouth at confluence with Alford Brook, Alford.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	0.9 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Scribner Brook (MA21-45) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Seace Brook (MA21-71)

<b>Location:</b>	Headwaters, perennial portion, north of East Slope Road, Richmond to mouth at confluence with Mount Lebanon Brook, Hancock.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.5 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Seace Brook (MA21-71) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Secum Brook (MA21-66)

<b>Location:</b>	Headwaters, perennial portion, west of Bailey Road, Lanesborough to mouth at inlet Pontoosuc Lake, Lanesborough.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	4.7 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Secum Brook (MA21-66) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

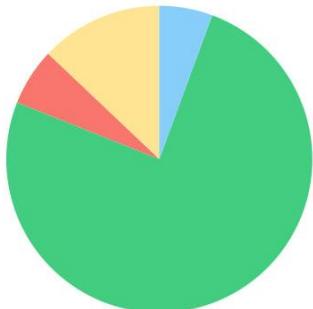
AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

# Seekonk Brook (MA21-22)

<b>Location:</b>	Headwaters, outlet of small impoundment east of West Road, Alford to mouth at confluence with the Green River, Great Barrington.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	4.8 MILES
<b>Classification/Qualifier:</b>	B

## Seekonk Brook (MA21-22)

Watershed Area: 18.60 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area* (square miles)	16.13	6.36	3.58	1.69
Agriculture	13%	16.5%	11%	10.6%
Developed	6%	9%	6.1%	7.9%
Natural	75.4%	67.1%	71.5%	69.8%
Wetland	5.6%	7.4%	11.5%	11.7%
Impervious	2.2%	3.2%	2.2%	3%

\*Land cover analysis only includes watershed area within Massachusetts.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
3	5	Escherichia Coli (E. Coli)	--		Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	--

## Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Seekonk Brook (MA21-22) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No data are available, so the Aesthetics Use for Seekonk Brook (MA21-22) is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Seekonk Brook (MA21-22) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_SKR300 and HVA\_SKR400. HVA staff/volunteers collected *E. coli* bacteria samples in Seekonk Brook (MA21-22) from 2020 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_SKR300 [downstream of Alford Rd Bridge, Alford] from Jun-Sep 2020 (n=8), HVA\_SKR400 [upstream of Division St bridge, Great Barrington] from Jun-Sep 2020 (n=8). Analysis of the single year moderate frequency *E. coli* dataset from HVA\_SKR300 indicated 81% of intervals had GMs >126 CFU/100ml and 3 samples exceeded the 410 CFU/100ml STV. Analysis of the single year moderate frequency *E. coli* dataset from HVA\_SKR400 indicated 63% of intervals had GMs >126 CFU/100ml and 1 sample exceeded the 410 CFU/100ml STV. *E. coli* data from HVA\_SKR300 and HVA\_SKR400 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_SKR300	Housatonic Valley Association	Water Quality	Seekonk Brook	Downstream of Alford Road Bridge, Alford	42.225278	-73.407552
HVA_SKR400	Housatonic Valley Association	Water Quality	Seekonk Brook	Upstream of Division Street bridge, Great Barrington	42.216748	-73.398093

## Bacteria Data

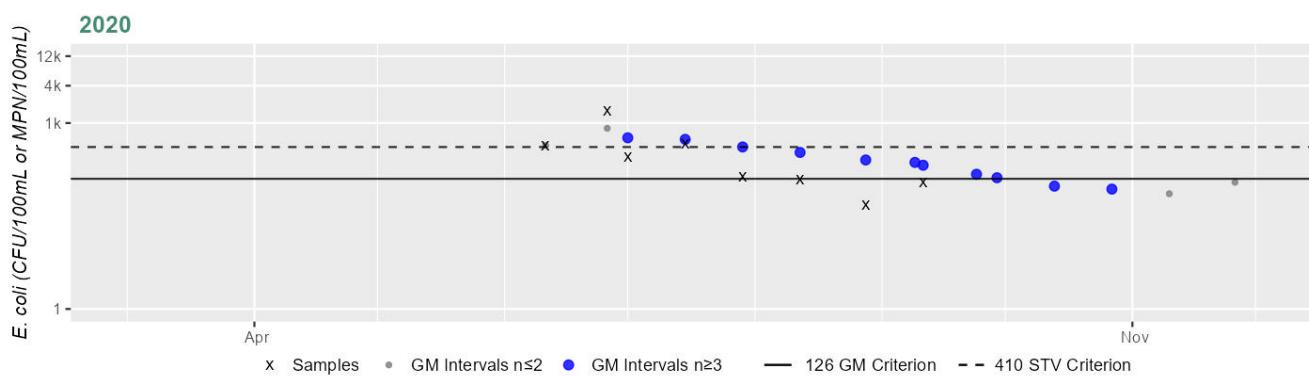
**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)**

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_SKR300	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	47	1553	228
HVA_SKR400	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	31	920	157

### Station HVA\_SKR300 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



Variable*	Result
Samples	8
SeasGM	228
#GMI	11
#GMI Ex	9
%GMI Ex	81%
n>STV	3
%n>STV	37%

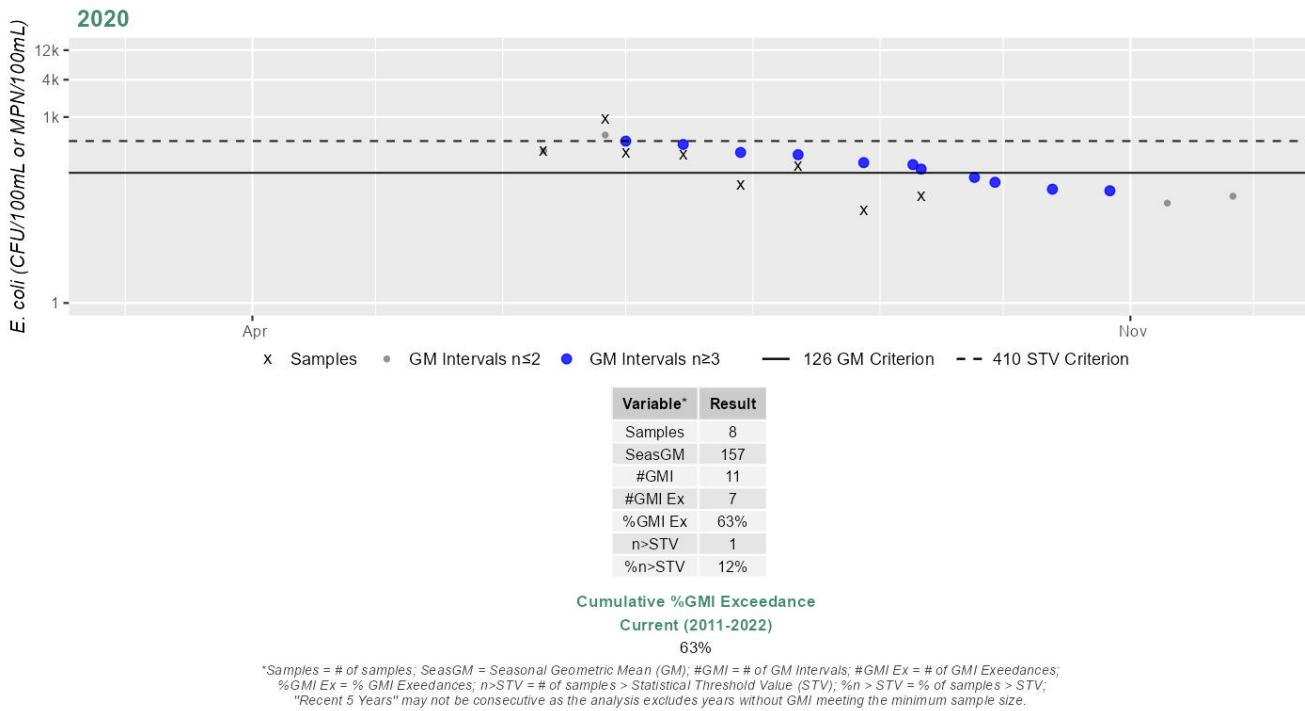
### Cumulative %GMI Exceedance Current (2011-2022)

81%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

### Station HVA\_SKR400 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Seekonk Brook (MA21-22) is assessed as Fully Supporting. HVA staff/volunteers collected *E. coli* bacteria samples in Seekonk Brook (MA21-22) from 2020 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_SKR300 [downstream of Alford Rd Bridge, Alford] from Jun-Sep 2020 (n=8), HVA\_SKR400 [upstream of Division St bridge, Great Barrington] from Jun-Sep 2020 (n=8). *E. coli* data from HVA\_SKR300 and HVA\_SKR400 meet 2024 CALM guidance.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_SKR300	Housatonic Valley Association	Water Quality	Seekonk Brook	Downstream of Alford Road Bridge, Alford	42.225278	-73.407552

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_SKR400	Housatonic Valley Association	Water Quality	Seekonk Brook	Upstream of Division Street bridge, Great Barrington	42.216748	-73.398093

## Bacteria Data

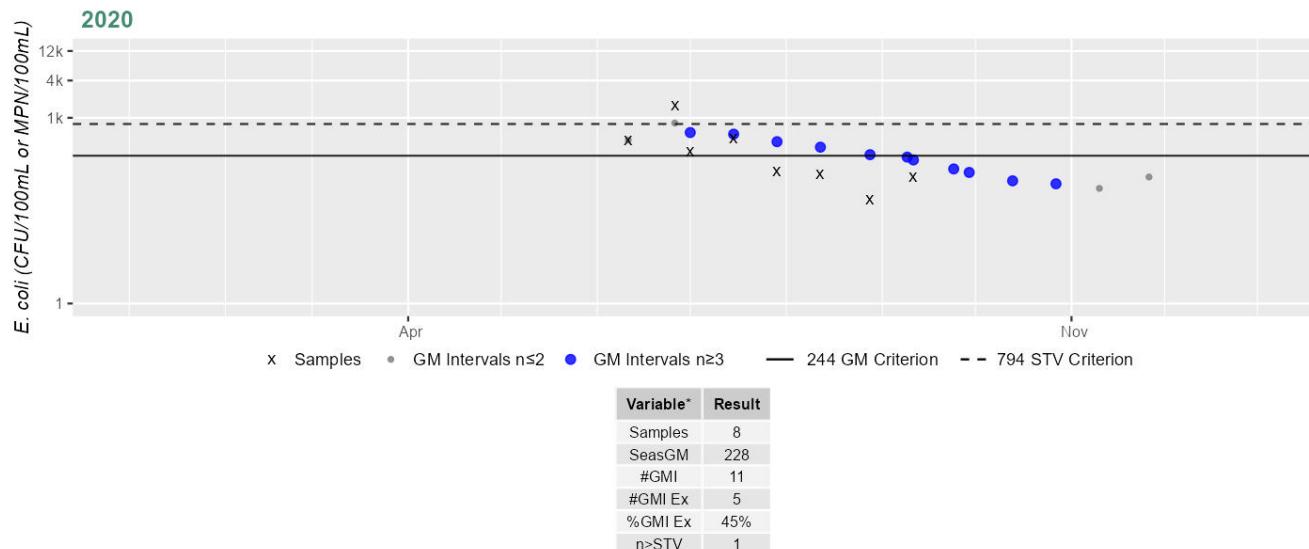
Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_SKR300	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	47	1553	228
HVA_SKR400	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	31	920	157

### Station HVA\_SKR300 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



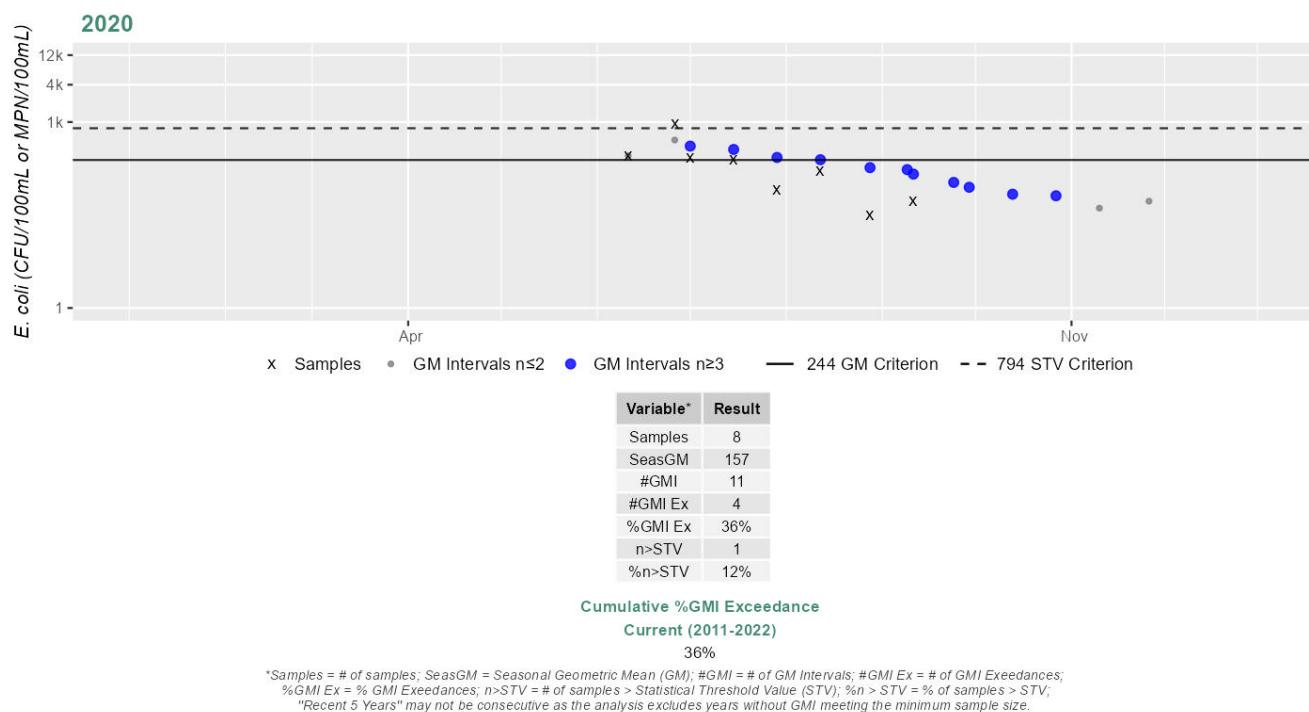
### Cumulative %GMI Exceedance Current (2011-2022)

45%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

**Station HVA\_SKR400 - *Escherichia coli***

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Shaker Brook (MA21-69)

<b>Location:</b>	Headwaters, north of Route 20, Hancock to mouth at confluence with Southwest Branch Housatonic River, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.2 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Shaker Brook (MA21-69) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Shaker Mill Pond (MA21094)

<b>Location:</b>	West Stockbridge.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	27 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Shaker Mill Pond (MA21094) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4c	4c	(Curly-leaf Pondweed*)	--	Unchanged
4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged
4c	4c	(Water Chestnut*)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Curly-leaf Pondweed*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Water Chestnut*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

## Silver Lake (MA21097)

<b>Location:</b>	Pittsfield.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	27 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	PCBs in Fish Tissue	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
PCBs in Fish Tissue	Illegal Dumps or Other Inappropriate Waste Disposal (Y)	--	X	--	--	--

### Designated Use Attainment Decisions

#### Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

2024/26 Use Attainment Summary
The Fish Consumption Use for Silver Lake (MA21097) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue impairment is being carried forward. DPH included a site-specific advisory for Silver Lake in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Silver Lake (MA21097) is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Silver Lake (MA21097) are available, so the Primary Contact Recreation Use is Not Assessed.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

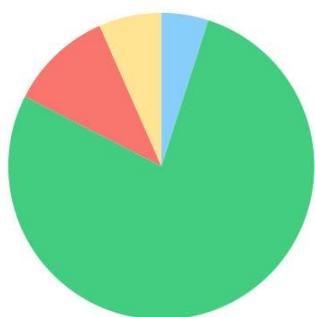
2024/26 Use Attainment Summary
No bacteria or other indicator data for Silver Lake (MA21097) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

## Smith Brook (MA21-72)

<b>Location:</b>	Headwaters, perennial portion north of Brickhouse Mountain Road, Pittsfield to mouth at confluence with Southwest Branch Housatonic River, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.8 MILES
<b>Classification/Qualifier:</b>	B

### Smith Brook (MA21-72)

Watershed Area: 3.41 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	3.41	2.57	0.67	0.60
Agriculture	6.6%	8.8%	7.3%	8.1%
Developed	10.9%	14.5%	8%	9%
Natural	77.5%	70.8%	68.8%	65.3%
Wetland	5%	5.9%	15.8%	17.6%
Impervious	3.6%	4.7%	2.3%	2.6%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
2	5	Escherichia Coli (E. Coli)	--		Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	--

## Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Smith Brook (MA21-72) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Aesthetics Use for Smith Brook (MA21-72) is being assessed as Fully Supporting. MassDEP staff recorded aesthetics observations at one station, two-thirds of the way down this Smith Brook AU, ~2200 feet downstream of West Street, Pittsfield (W2245) in summer 2012 (n=6). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2245	MassDEP	Water Quality	Smith Brook	[approximately 2200 feet downstream of West Street, Pittsfield]	42.451912	-73.301620

## Aesthetic Observations

### Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 4)

[Note: scums of natural origins (e.g. pollen blankets or natural foams) are excluded.]

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2245	2012	6	Aesthetic observations were made by MassDEP field sampling crews at Station W2245 on Smith Brook (MA21-72) during 6 site visits between May 2012 and Sep 2012. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

### Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 6) (MassDEP Undated 4)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2245	2012	6	6	0

**MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 6)**

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2245	Smith Brook	2012	Aquatic Plant Density, Overall	None	6	6
W2245	Smith Brook	2012	Color	Light Yellow/Tan	3	6
W2245	Smith Brook	2012	Color	None	3	6
W2245	Smith Brook	2012	Objectionable Deposits	No	6	6
W2245	Smith Brook	2012	Odor	None	6	6
W2245	Smith Brook	2012	Periphyton Density, Filamentous	None	6	6
W2245	Smith Brook	2012	Periphyton Density, Film	Moderate	1	6
W2245	Smith Brook	2012	Periphyton Density, Film	None	4	6
W2245	Smith Brook	2012	Periphyton Density, Film	Sparse	1	6
W2245	Smith Brook	2012	Scum	No	5	6
W2245	Smith Brook	2012	Scum	NR	1	6
W2245	Smith Brook	2012	Turbidity	Moderately Turbid	1	6
W2245	Smith Brook	2012	Turbidity	None	3	6
W2245	Smith Brook	2012	Turbidity	Slightly Turbid	2	6

**Primary Contact Recreation**

2024/26 Use Attainment	Alert
Not Supporting	NO
<b>2024/26 Use Attainment Summary</b>	

The Primary Contact Recreation Use for Smith Brook (MA21-72) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_SW 03. HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in Smith Brook (MA21-72) from 2012-2018 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: W2245 [~2200 ft downstream of W St, Pittsfield] from May-Sep 2012 (n=6), HVA\_SW 3.5 [On Smith Brook off Gale Ave., Pittsfield] from Aug-Oct 2018 (n=5), HVA\_SW 03 [On Smith Brook, outflow of stream under RR., Pittsfield] from Jun-Oct 2018 (n=6). Analysis of the single year limited frequency *E. coli* dataset from W2245 indicated 28% of intervals had GMs >126 CFU/100ml, 1 sample exceeded the 410 CFU/100ml STV, and the seasonal GM was 135 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from HVA\_SW 3.5 indicated 20% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 115 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from HVA\_SW 03 indicated 100% of intervals had GMs >126 CFU/100ml, 1 sample exceeded the 410 CFU/100ml STV, and the seasonal GM was 196 CFU/100ml. While *E. coli* data from W2245 and HVA\_SW 3.5 meet 2024 CALM guidance, *E. coli* data from HVA\_SW 03 are indicative of an *E. coli* impairment.

### **Monitoring Stations**

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_SW 03	Housatonic Valley Association	Water Quality	Smith Brook	On Smith Brook, outflow of stream under RR., Pittsfield	42.442130	-73.297570
HVA_SW 3.5	Housatonic Valley Association	Water Quality	Smith Brook	On Smith Brook off Gale Ave., Pittsfield	42.445610	-73.299070
W2245	MassDEP	Water Quality	Smith Brook	[approximately 2200 feet downstream of West Street, Pittsfield]	42.451912	-73.301620

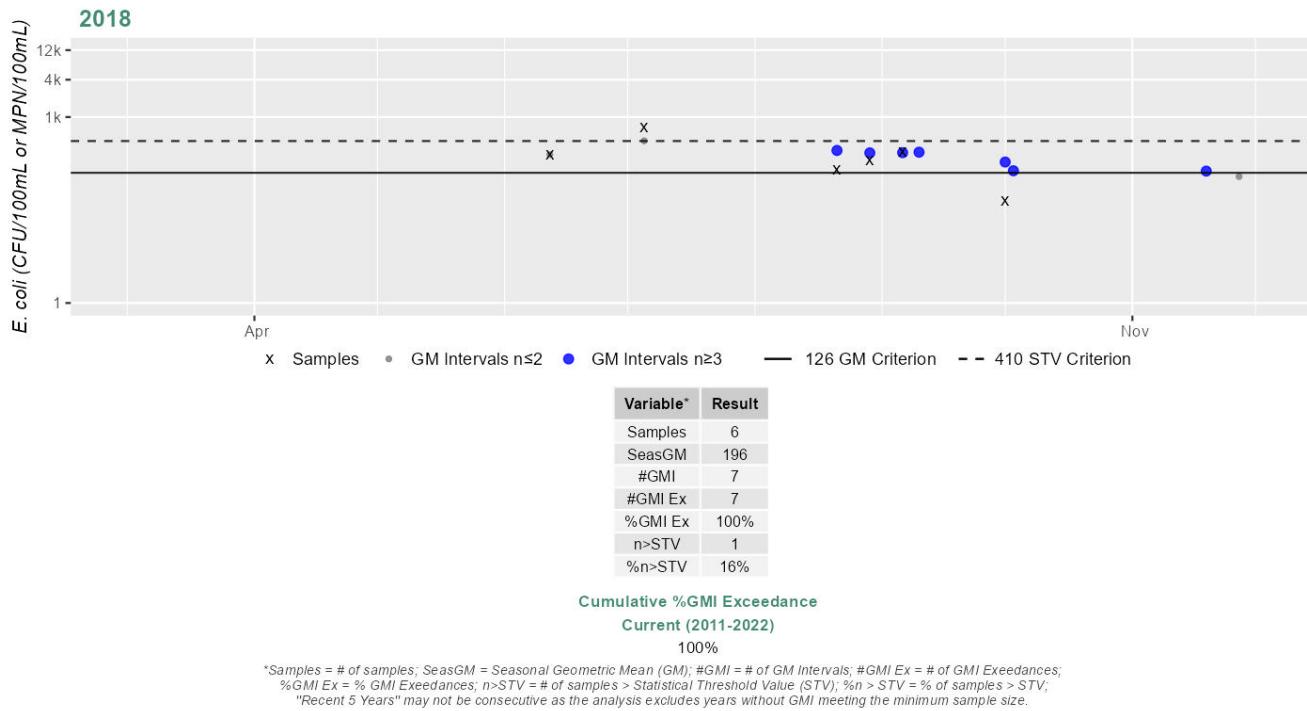
### **Bacteria Data**

**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2) (MassDEP Undated 6) (MassDEP Undated 4)**  
 [Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_SW 03	Housatonic Valley Association	<i>E. coli</i>	06/12/18	10/01/18	6	43	686	196
HVA_SW 3.5	Housatonic Valley Association	<i>E. coli</i>	08/21/18	10/10/18	5	55	172	115
W2245	MassDEP	<i>E. coli</i>	05/03/12	09/06/12	6	72	435	135

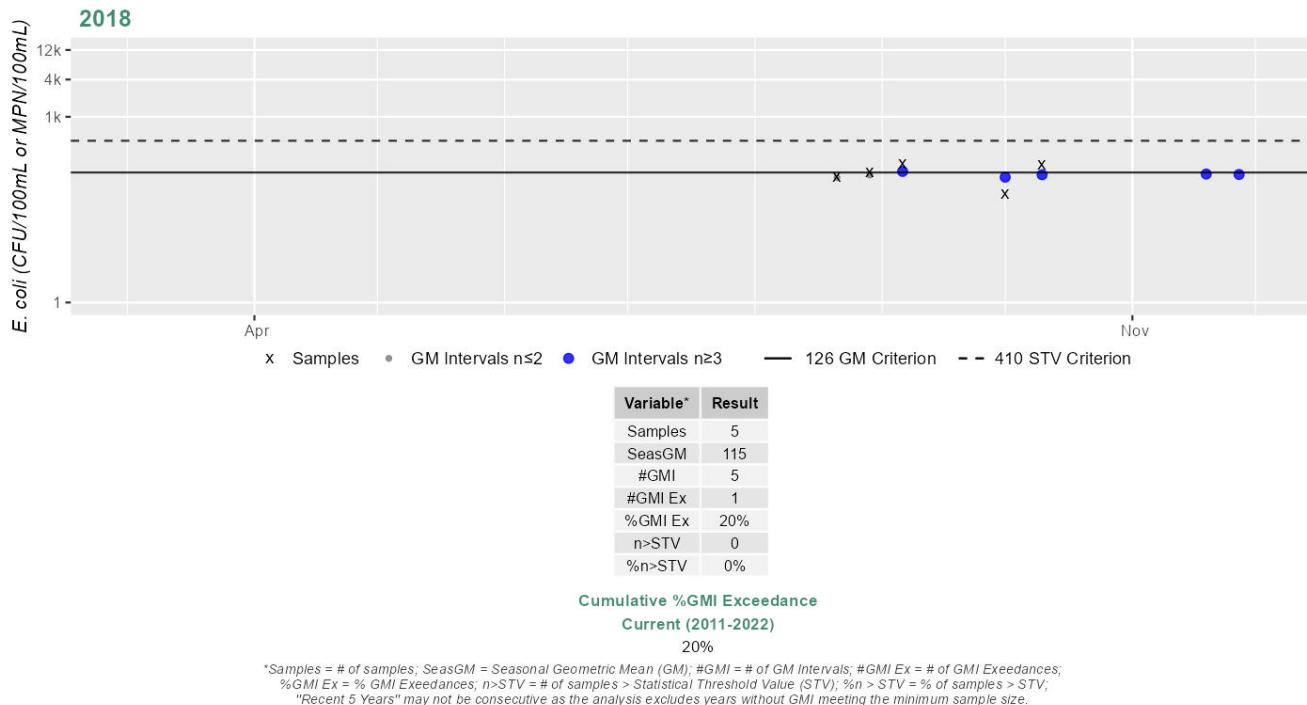
### Station HVA\_SW 03 - Escherichia coli

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



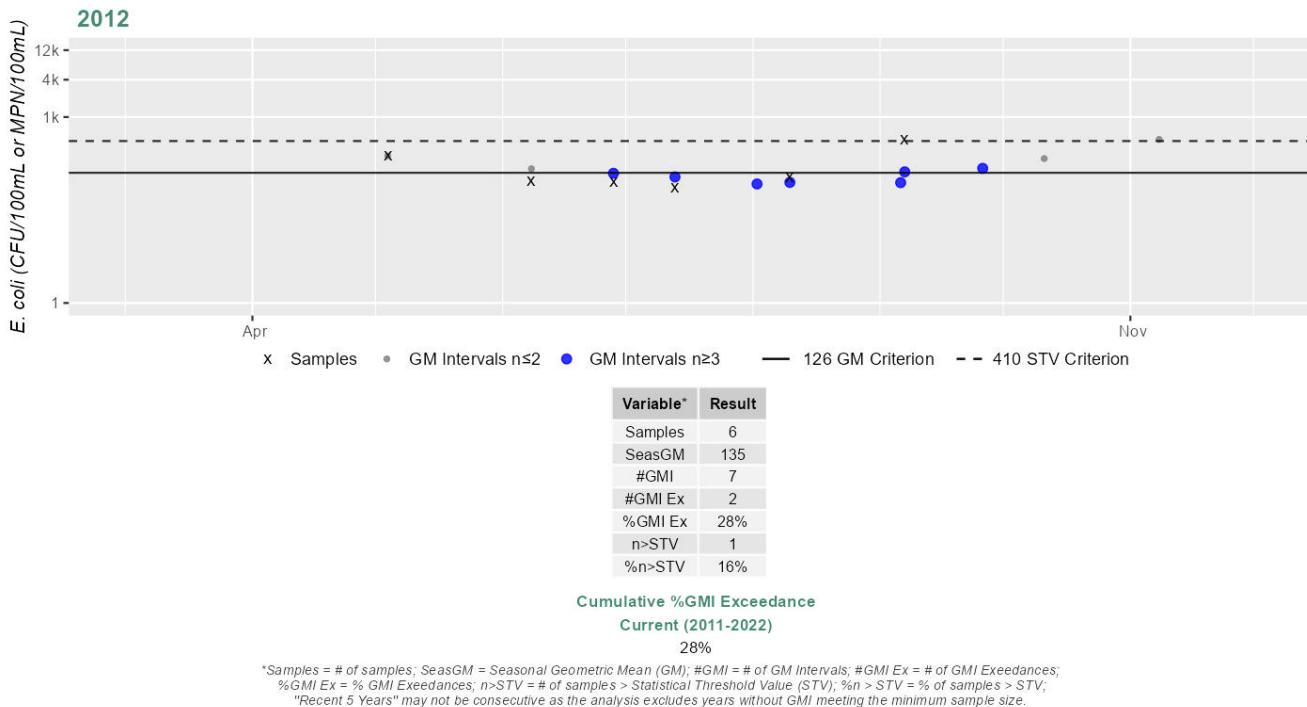
### Station HVA\_SW 3.5 - Escherichia coli

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Station MASSDEP\_W2245 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment		Alert
Fully Supporting		NO
2024/26 Use Attainment Summary		
<p>The Secondary Contact Recreation Use for Smith Brook (MA21-72) is assessed as Fully Supporting. HVA and MassDEP staff/volunteers collected <i>E. coli</i> bacteria samples in Smith Brook (MA21-72) from 2012-2018 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: W2245 [~2200 ft downstream of W St, Pittsfield] from May-Sep 2012 (n=6), HVA_SW 3.5 [On Smith Brook off Gale Ave., Pittsfield] from Aug-Oct 2018 (n=5), HVA_SW 03 [On Smith Brook, outflow of stream under RR., Pittsfield] from Jun-Oct 2018 (n=6). <i>E. coli</i> data from W2245, HVA_SW 3.5, and HVA_SW 03 meet 2024 CALM guidance.</p>		

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_SW 03	Housatonic Valley Association	Water Quality	Smith Brook	On Smith Brook, outflow of stream under RR., Pittsfield	42.442130	-73.297570

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_SW 3.5	Housatonic Valley Association	Water Quality	Smith Brook	On Smith Brook off Gale Ave., Pittsfield	42.445610	-73.299070
W2245	MassDEP	Water Quality	Smith Brook	[approximately 2200 feet downstream of West Street, Pittsfield]	42.451912	-73.301620

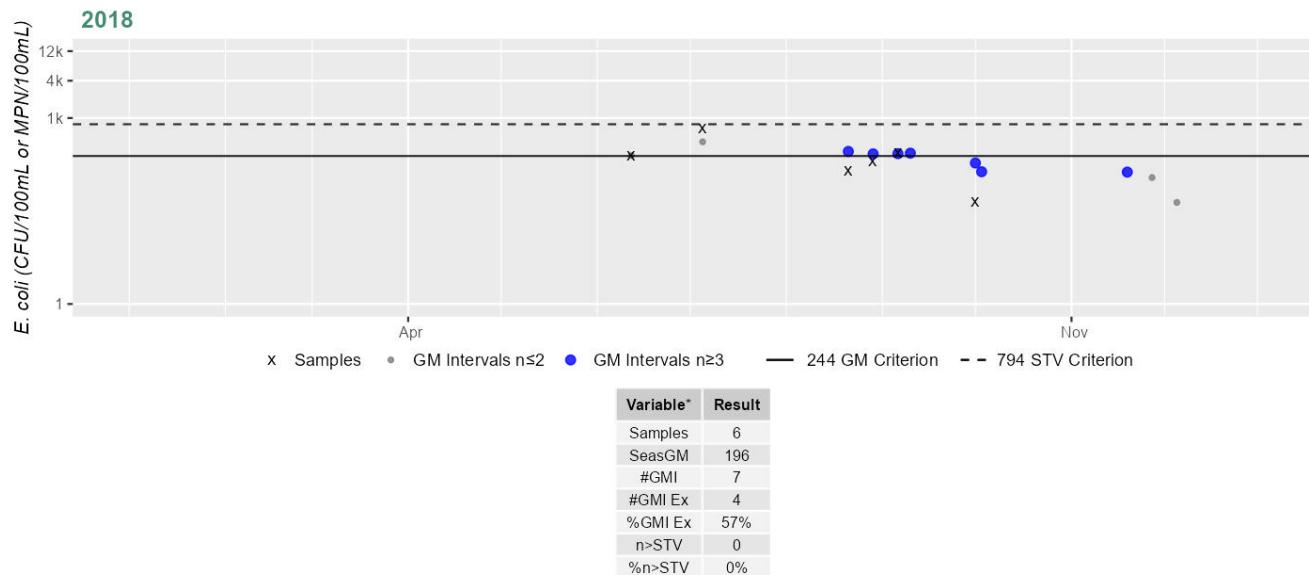
## Bacteria Data

**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022)** (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)  
 [Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_SW 03	Housatonic Valley Association	E. coli	06/12/18	10/01/18	6	43	686	196
HVA_SW 3.5	Housatonic Valley Association	E. coli	08/21/18	10/10/18	5	55	172	115
W2245	MassDEP	E. coli	05/03/12	09/06/12	6	72	435	135

### Station HVA\_SW 03 - *Escherichia coli*

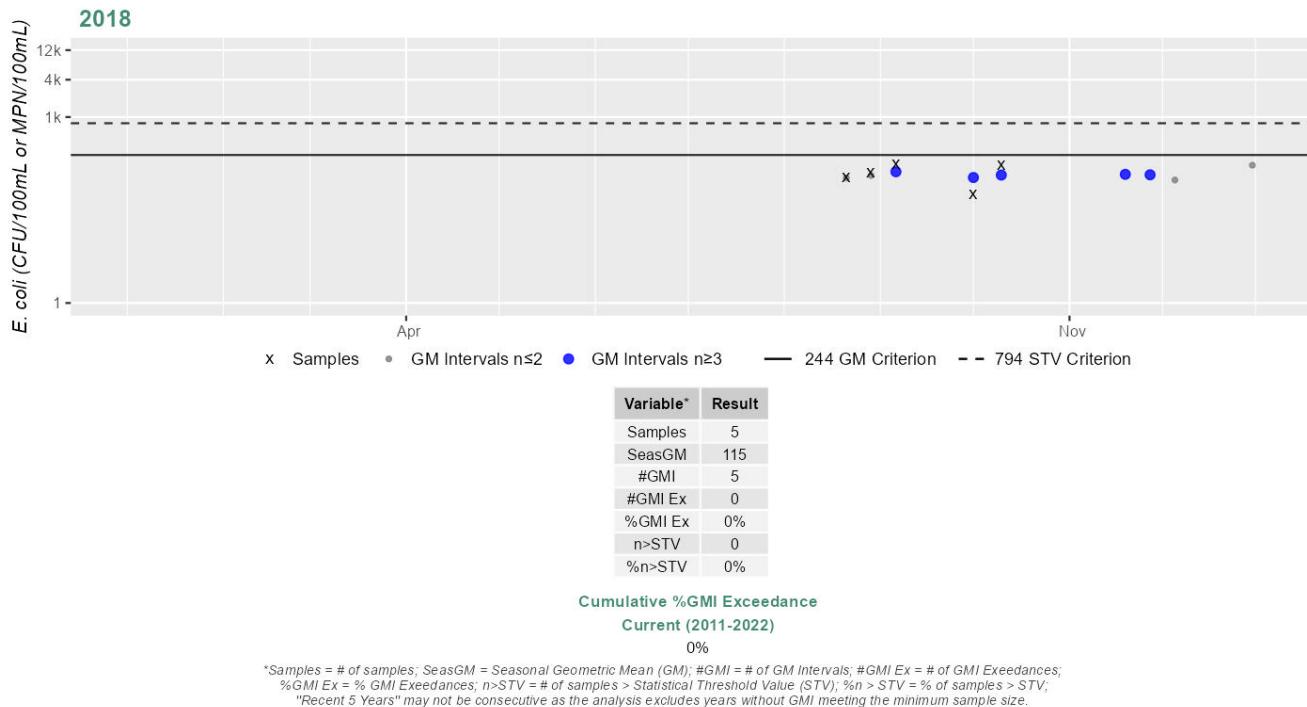
Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
 %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV;  
 "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

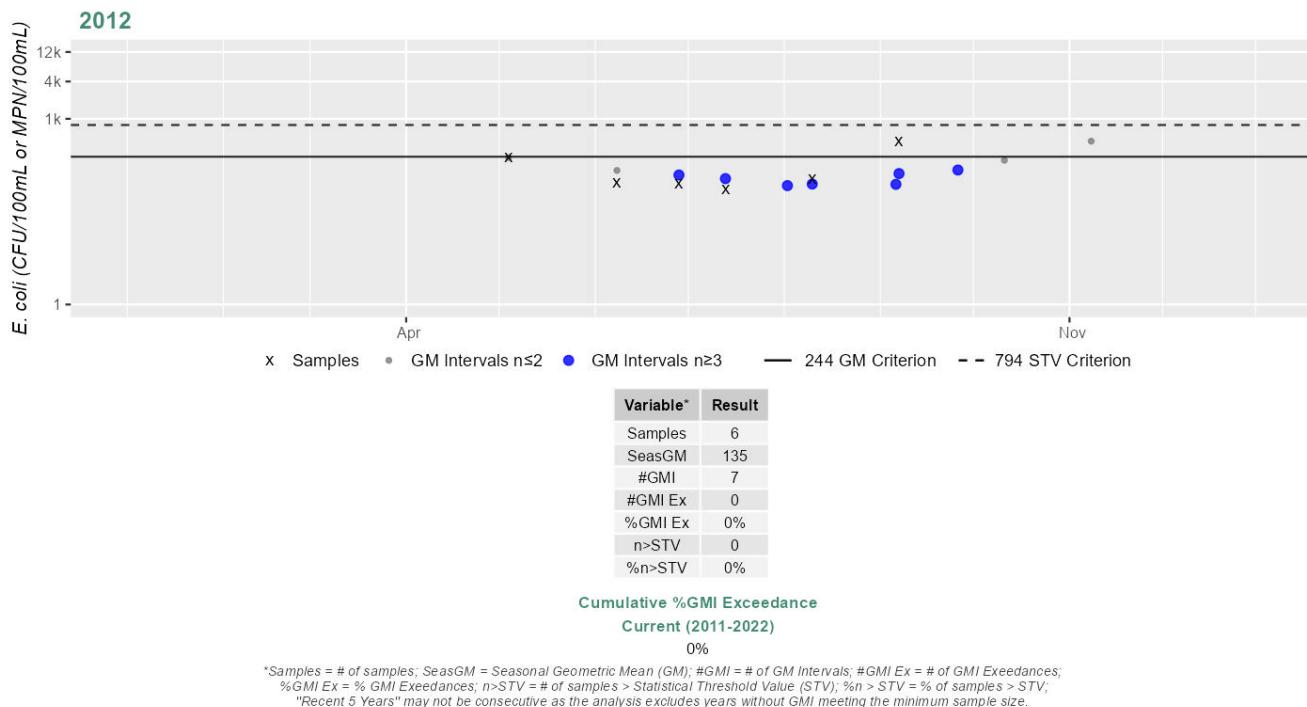
### Station HVA\_SW 3.5 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Station MASSDEP\_W2245 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

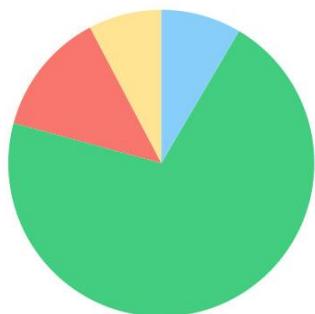


# Southwest Branch Housatonic River (MA21-17)

<b>Location:</b>	Headwaters, outlet Richmond Pond, Pittsfield to mouth at confluence with West Branch Housatonic River (forming headwaters Housatonic River), Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	5.8 MILES
<b>Classification/Qualifier:</b>	B: CWF, HQW

## Southwest Branch Housatonic River (MA21-17)

Watershed Area: 23.56 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	23.56	7.76	6.49	2.07
Agriculture	7.7%	10.6%	7.3%	10.5%
Developed	13.1%	26.5%	10.9%	18.9%
Natural	70.7%	52.5%	63.7%	48.9%
Wetland	8.5%	10.4%	18%	21.8%
Impervious	4.6%	9.3%	4.3%	7.2%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04		Changed
5	5	Fecal Coliform	R1_MA_2024_04		Changed
5	5	Sedimentation/Siltation	--		Unchanged
5	5	Temperature	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	X

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X
Fecal Coliform	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	--
Fecal Coliform	Source Unknown (N)	--	--	--	X	--
Sedimentation/Siltation	Source Unknown (N)	X	--	--	--	--
Temperature	Dam or Impoundment (Y)	X	--	--	--	--
Temperature	Source Unknown (N)	X	--	--	--	--

## Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Escherichia Coli (E. Coli)	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Massachusetts Statewide TMDL for Pathogen-Impaired Waterbodies (Report CN 515.1, approved 2/13/2024, ATTAINS Action ID: R1_MA_2024_04)
Fecal Coliform	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Massachusetts Statewide TMDL for Pathogen-Impaired Waterbodies (Report CN 515.1, approved 2/13/2024, ATTAINS Action ID: R1_MA_2024_04)

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No
2024/26 Use Attainment Summary	
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Southwest Branch Housatonic River (MA21-17) is Not Assessed.	

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Southwest Branch Housatonic River (MA21-17), so it is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the Southwest Branch Housatonic River (MA21-17) continues to be assessed as Not Supporting. The prior *Escherichia coli* (*E. coli*) impairment is being carried forward based on bacteria data not meeting the threshold at HVA\_SW 04, HVA\_SW 4.5, HVA\_SW 5.0, HVA\_SW 5.3, HVA\_SW 3.8, and HVA\_SW 01.1. The prior Fecal Coliform impairment is being carried forward. HVA staff/volunteers collected *E. coli* bacteria samples in the Southwest Branch Housatonic River (MA21-17) from 2017-2018 at 10 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_SW 07.1 [On SouthW Branch below Richmond Pond Dam, Pittsfield] from Jun-Oct 2017 (n=6), HVA\_SW 2.1 [On SW Branch, behind 166 Chapel St. below horse pasture, Pittsfield] from Jun-Oct 2018 (n=5), HVA\_SW 04 [On Southwest Branch, about 5 ft upstream of the Melbourne St. bridge at Chapel St. intersection, Pittsfield] from 2017-2018 (n=5-6/yr), HVA\_SW 4.3 [Near Stearns School, off intersection of Lebanon Ave & Bryant St, Pittsfield] from Aug-Oct 2018 (n=5), HVA\_SW 4.5 [On SW Branch, upstream of Rt 20 Bridge near W. Hungerford Rd., Pittsfield] from Aug-Oct 2018 (n=5), HVA\_SW 5.0 [On SW Branch, upstream of Jacoby Brook confluence, Pittsfield] from Jun-Oct 2018 (n=5), HVA\_SW 5.3 [On SW Branch, downstream of Jacoby confluence at Fort Hill Rd intersection, Pittsfield] from Jun-Oct 2018 (n=5), HVA\_SW 3.8 [On Southwest Branch, upstream of the Hungerford Bridge near Caroline St., Pittsfield] from 2017-2018 (n=6/yr), HVA\_SW 01.1 [On SouthW Branch, about 250 ft downstream of Barker Rd Bridge, Pittsfield] from 2017-2018 (n=5-6/yr), HVA\_SW 02 [On SouthW Branch at Clapp Park, off parking area downstream of RR, Pittsfield] from Jun-Oct 2017 (n=6). While *E. coli* data from HVA\_SW 07.1, HVA\_SW 2.1, HVA\_SW 4.3, and HVA\_SW 02 meet 2024 CALM guidance, *E. coli* data from HVA\_SW 04, HVA\_SW 4.5, HVA\_SW 5.0, HVA\_SW 5.3, HVA\_SW 3.8, and HVA\_SW 01.1 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_SW 01.1	Housatonic Valley Association	Water Quality	Southwest Branch	On Southwest Branch, about 250 feet downstream of Barker Road Bridge, Pittsfield	42.440138	-73.271638
HVA_SW 02	Housatonic Valley Association	Water Quality	South West Branch	On Southwest Branch at Clapp Park, off parking area downstream of RR, Pittsfield	42.439820	-73.266603
HVA_SW 04	Housatonic Valley Association	Water Quality	Southwest Branch	On Southwest Branch, about 5 ft upstream of the Melbourne St. bridge @ Chapel St. intersection, Pittsfield	42.430604	-73.310101
HVA_SW 07.1	Housatonic Valley Association	Water Quality	South West Branch	On Southwest Branch below Richmond Pond Dam, Pittsfield	42.418950	-73.323460
HVA_SW 2.1	Housatonic Valley Association	Water Quality	Southwest Branch	On SW Branch, behind 166 Chapel St. below horse pasture, Pittsfield	42.424690	-73.309420
HVA_SW 3.8	Housatonic Valley Association	Water Quality	Southwest Branch	On Southwest Branch, upstream of the Hungerford Bridge near Caroline St., Pittsfield	42.441217	-73.295939
HVA_SW 4.3	Housatonic Valley Association	Water Quality	Southwest Branch	Near Stearns School, off intersection of Lebanon Ave & Bryant Street, Pittsfield	42.436460	-73.301250
HVA_SW 4.5	Housatonic Valley Association	Water Quality	Southwest Branch	On SW Branch, upstream of Rt 20 Bridge near W. Hungerford Rd., Pittsfield	42.438520	-73.302290
HVA_SW 5.0	Housatonic Valley Association	Water Quality	Southwest Branch	On SW Branch, upstream of Jacoby Brook confluence, Pittsfield	42.439200	-73.301250
HVA_SW 5.3	Housatonic Valley Association	Water Quality	Southwest Branch	On SW Branch, downstream of Jacoby confluence @ Fort Hill Rd intersection, Pittsfield	42.440609	-73.300623

## Bacteria Data

Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)

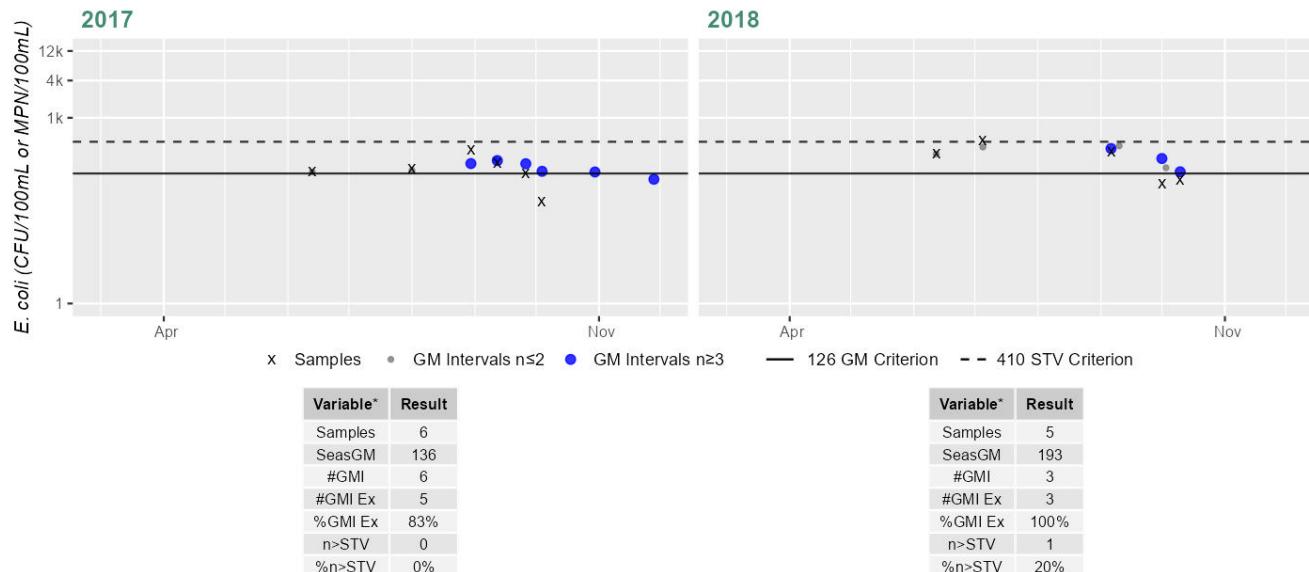
[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_SW 01.1	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	44	298	136
HVA_SW 01.1	Housatonic Valley Association	E. coli	06/12/18	10/10/18	5	85	435	193
HVA_SW 02	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	56	186	121
HVA_SW 04	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	70	325	122
HVA_SW 04	Housatonic Valley Association	E. coli	06/12/18	10/10/18	5	28	686	158
HVA_SW 07.1	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	2	21	4

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_SW 2.1	Housatonic Valley Association	E. coli	06/12/18	10/10/18	5	24	129	61
HVA_SW 3.8	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	73	816	234
HVA_SW 3.8	Housatonic Valley Association	E. coli	06/12/18	10/01/18	6	77	613	282
HVA_SW 4.3	Housatonic Valley Association	E. coli	08/21/18	10/10/18	5	25	201	75
HVA_SW 4.5	Housatonic Valley Association	E. coli	08/21/18	10/10/18	5	50	648	187
HVA_SW 5.0	Housatonic Valley Association	E. coli	06/12/18	10/10/18	5	25	1553	287
HVA_SW 5.3	Housatonic Valley Association	E. coli	06/12/18	10/10/18	5	172	816	331

### Station HVA\_SW 01.1 - *Escherichia coli*

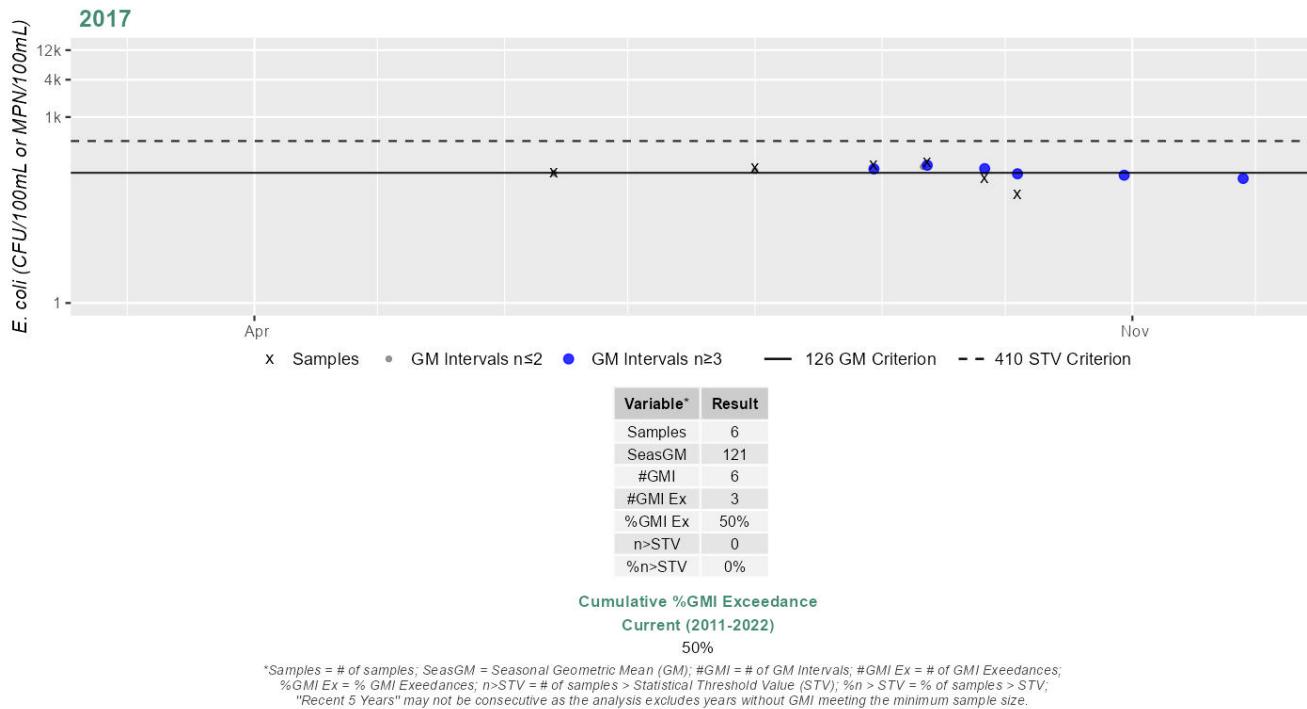
Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

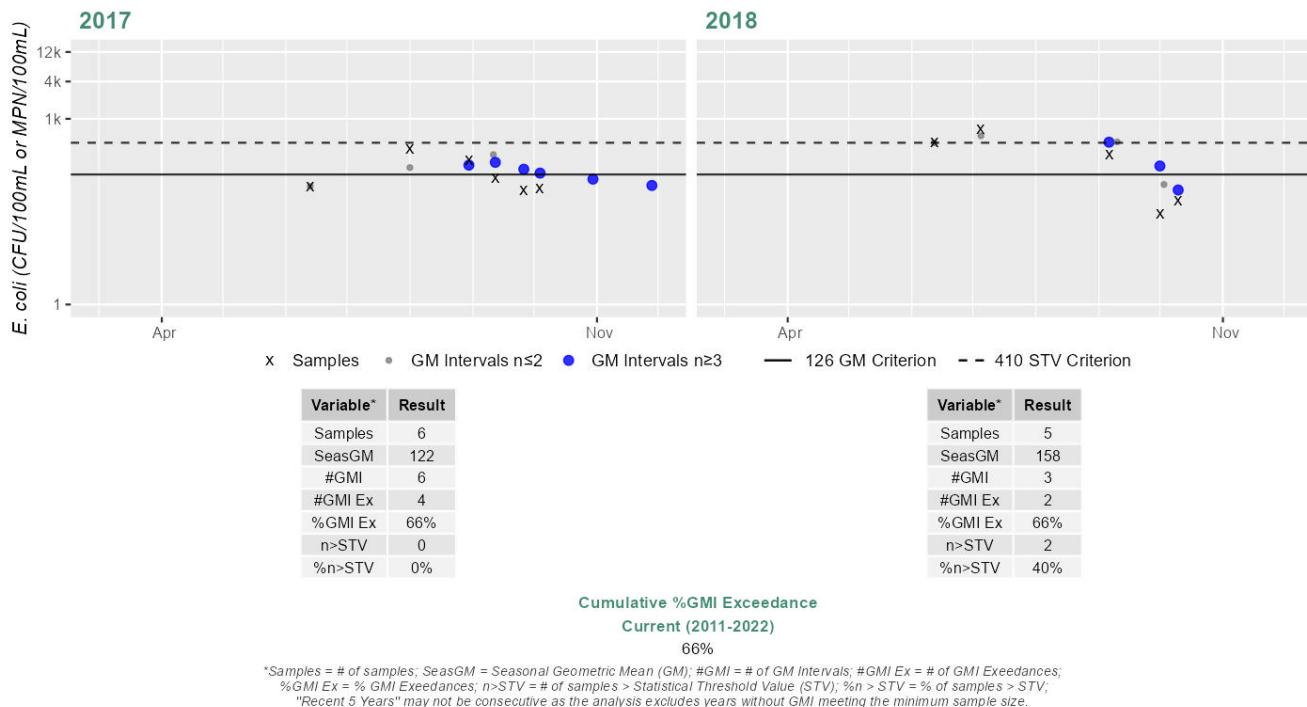
### Station HVA\_SW 02 & MASSDEP\_W1573 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



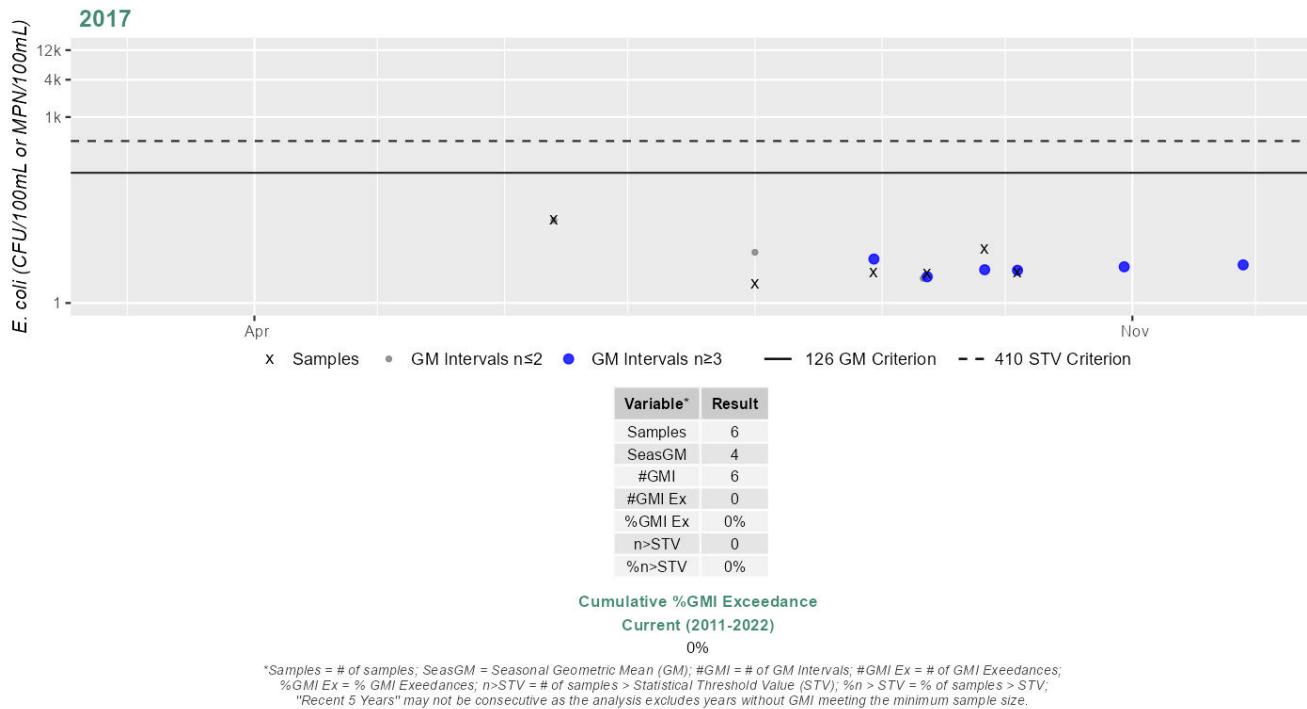
### Station HVA\_SW 04 & MASSDEP\_W1638 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



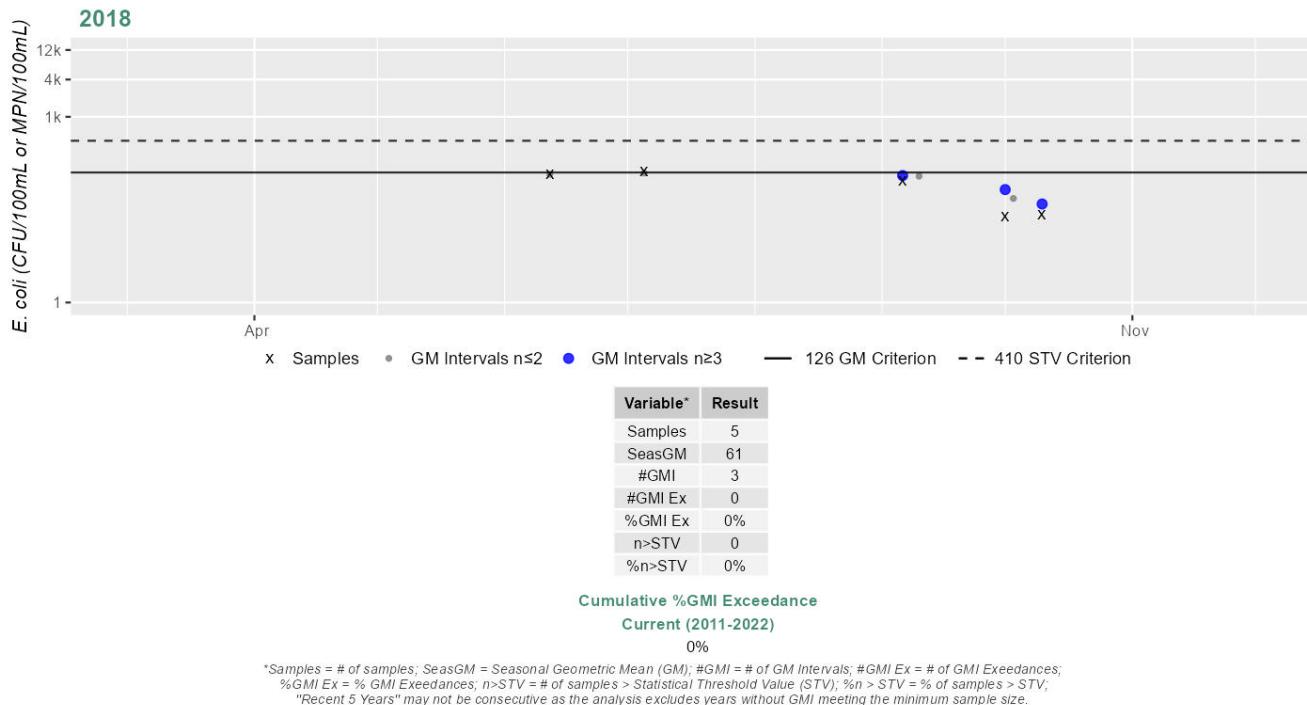
### Station HVA\_SW 07.1 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



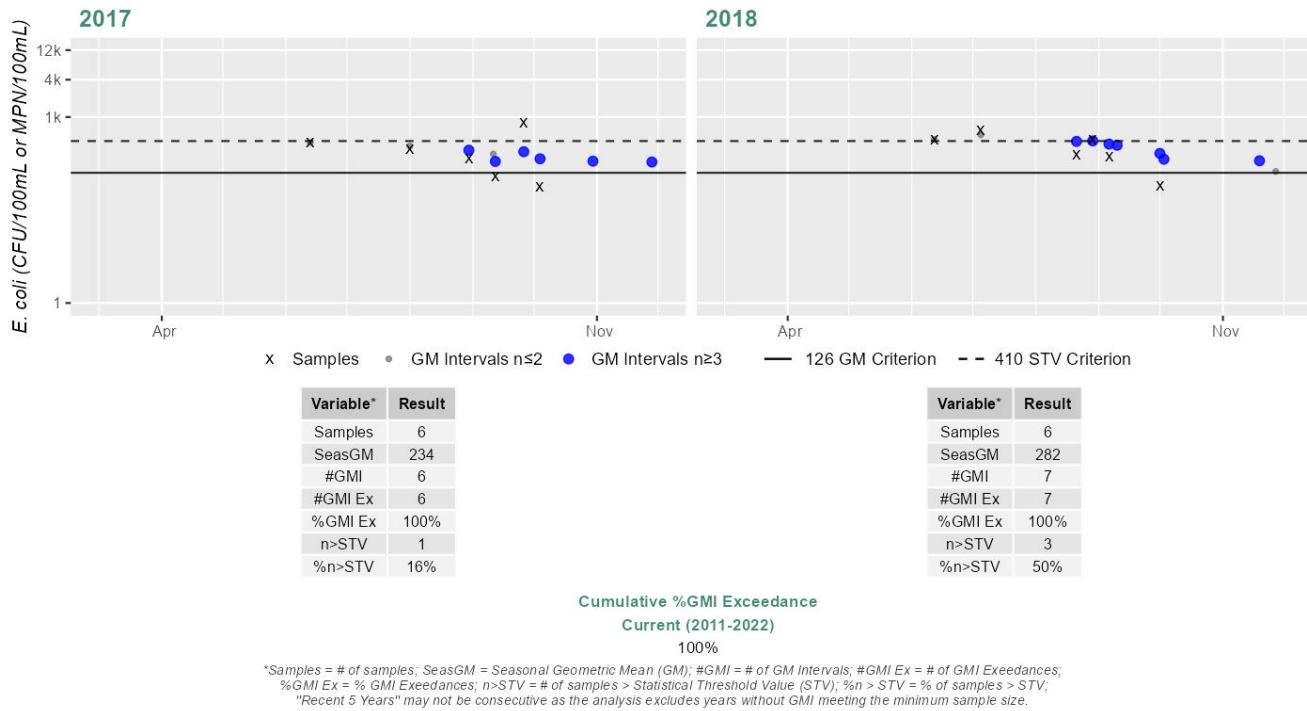
### Station HVA\_SW 2.1 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



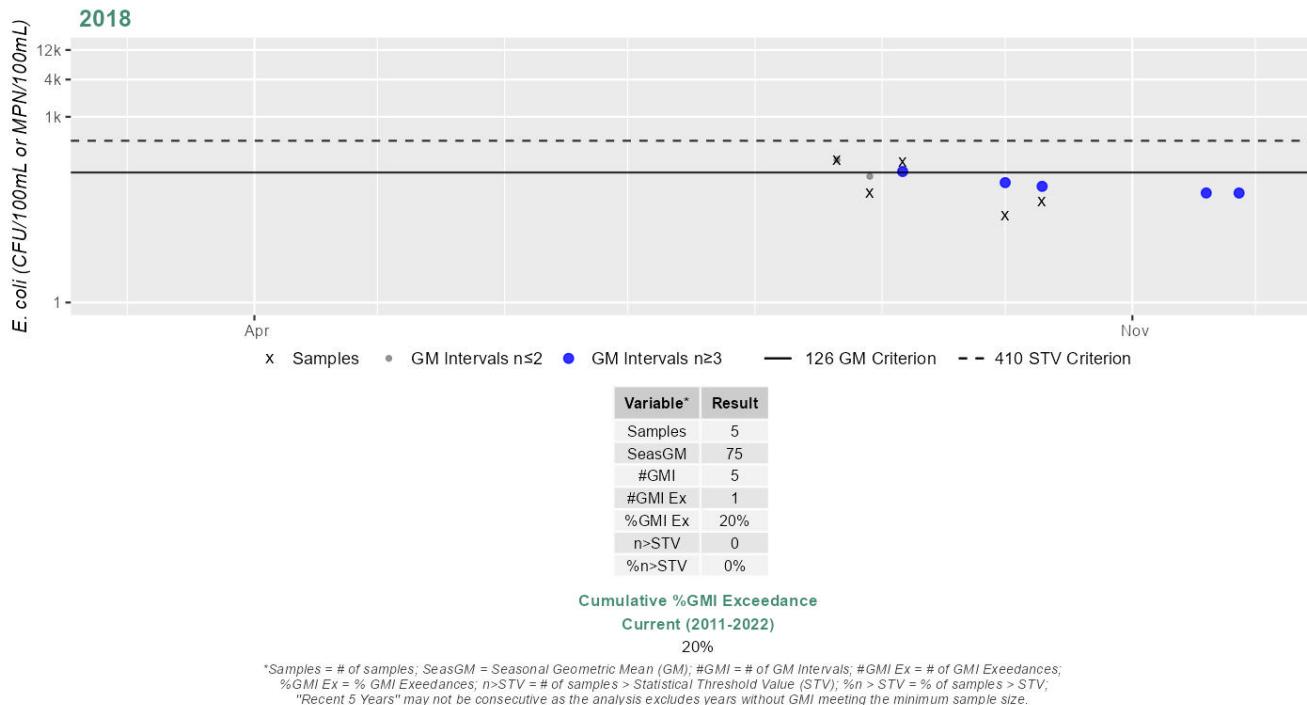
### Station HVA\_SW 3.8 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



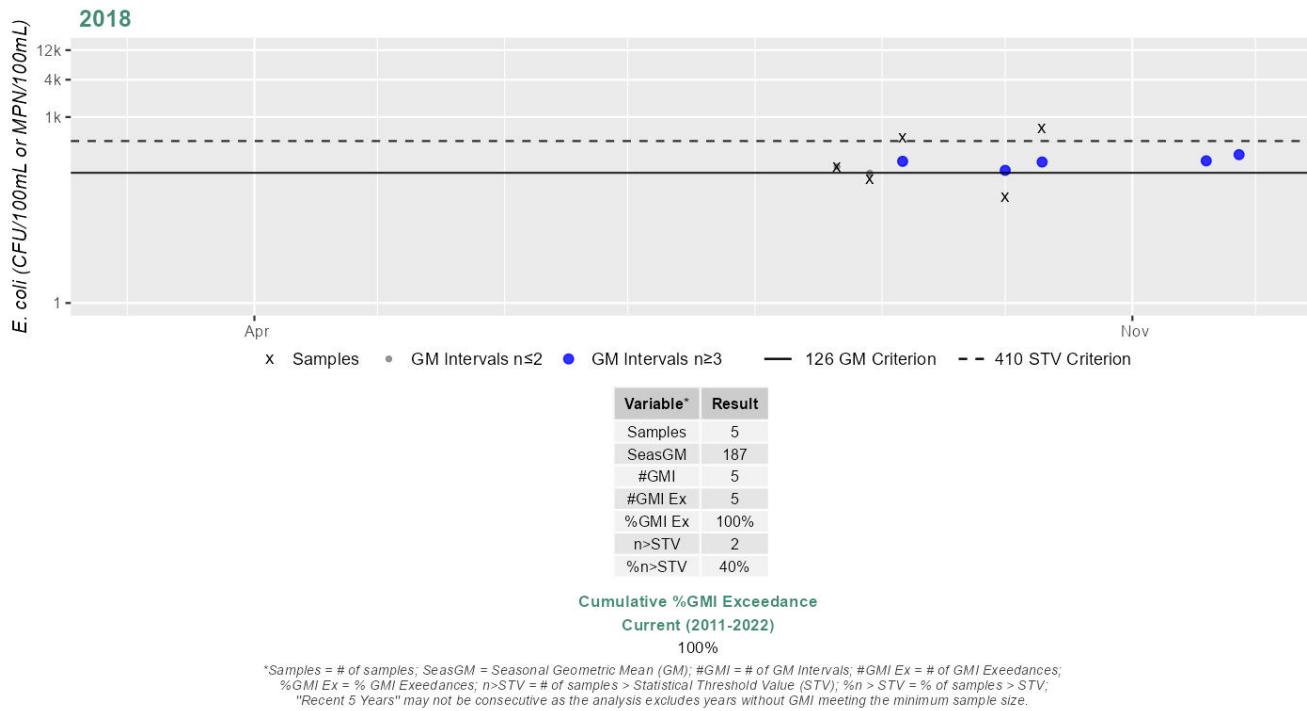
### Station HVA\_SW 4.3 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



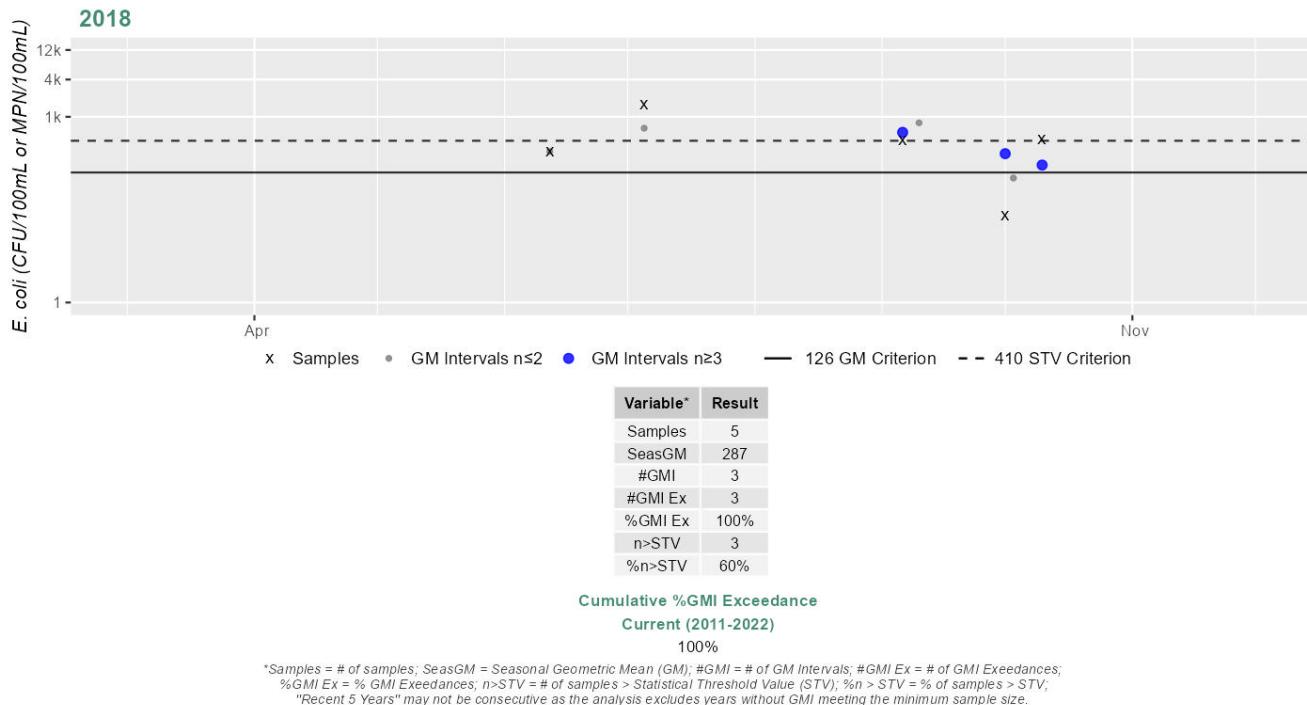
### Station HVA\_SW 4.5 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



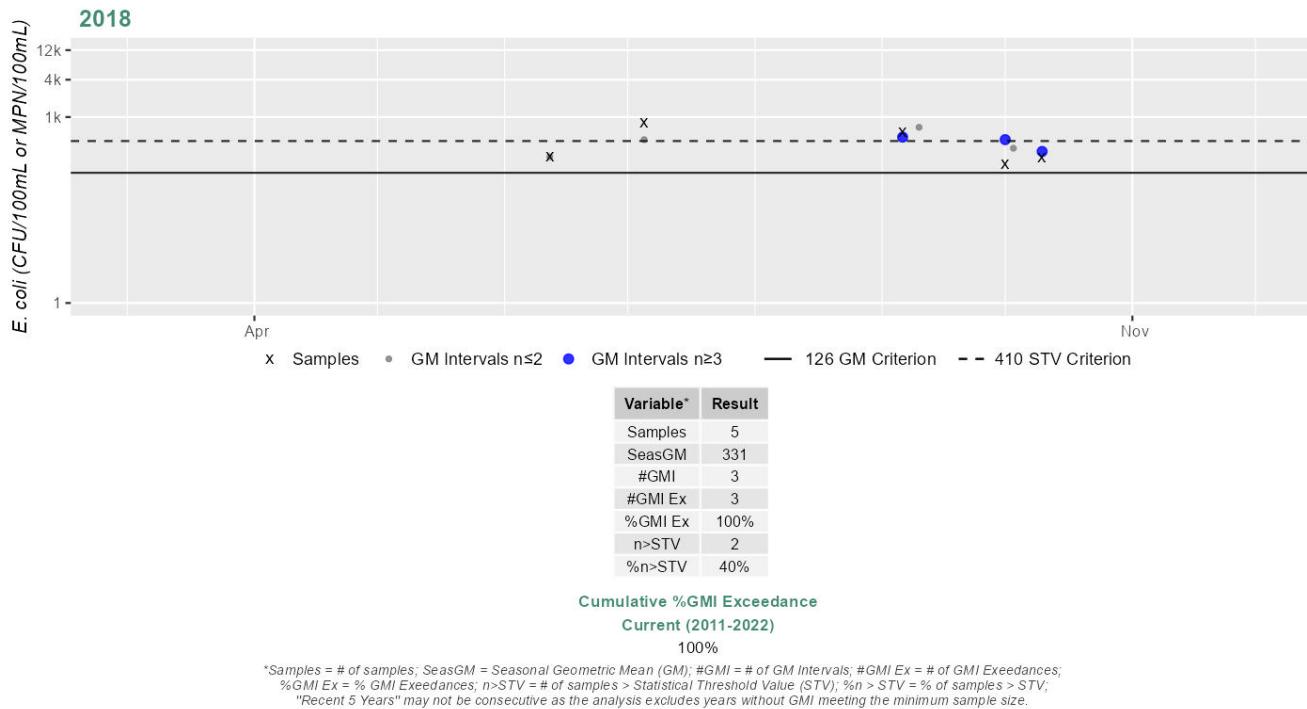
### Station HVA\_SW 5.0 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Station HVA\_SW 5.3 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for the Southwest Branch Housatonic River (MA21-17) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added based on a re-evaluation of bacteria data not meeting the threshold at HVA\_SW 5.3 and HVA\_SW 3.8. HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in the Southwest Branch Housatonic River (MA21-17) from 2006-2018 at 22 stations. While *E. coli* data in the current IR window from HVA\_SW 07.1, HVA\_SW 2.1, HVA\_SW 04 & W1638, HVA\_SW 4.3, HVA\_SW 4.5, HVA\_SW 5.0, HVA\_SW 01.1, and HVA\_SW 02 & W1573 meet 2024 CALM guidance, *E. coli* data from HVA\_SW 5.3 and HVA\_SW 3.8 are indicative of an *E. coli* impairment.

## Monitoring Stations

<b>Station Code</b>	<b>Organization</b>	<b>Type</b>	<b>Water Body</b>	<b>Station Description</b>	<b>Latitude</b>	<b>Longitude</b>
HVA_SW 01.1	Housatonic Valley Association	Water Quality	Southwest Branch	On Southwest Branch, about 250 feet downstream of Barker Road Bridge, Pittsfield	42.440138	-73.271638
HVA_SW 02	Housatonic Valley Association	Water Quality	South West Branch	On Southwest Branch at Clapp Park, off parking area downstream of RR, Pittsfield	42.439820	-73.266603
HVA_SW 04	Housatonic Valley Association	Water Quality	Southwest Branch	On Southwest Branch, about 5 ft upstream of the Melbourne St. bridge @ Chapel St. intersection, Pittsfield	42.430604	-73.310101
HVA_SW 07.1	Housatonic Valley Association	Water Quality	South West Branch	On Southwest Branch below Richmond Pond Dam, Pittsfield	42.418950	-73.323460
HVA_SW 2.1	Housatonic Valley Association	Water Quality	Southwest Branch	On SW Branch, behind 166 Chapel St. below horse pasture, Pittsfield	42.424690	-73.309420
HVA_SW 3.8	Housatonic Valley Association	Water Quality	Southwest Branch	On Southwest Branch, upstream of the Hungerford Bridge near Caroline St., Pittsfield	42.441217	-73.295939
HVA_SW 4.3	Housatonic Valley Association	Water Quality	Southwest Branch	Near Stearns School, off intersection of Lebanon Ave & Bryant Street, Pittsfield	42.436460	-73.301250
HVA_SW 4.5	Housatonic Valley Association	Water Quality	Southwest Branch	On SW Branch, upstream of Rt 20 Bridge near W. Hungerford Rd., Pittsfield	42.438520	-73.302290
HVA_SW 5.0	Housatonic Valley Association	Water Quality	Southwest Branch	On SW Branch, upstream of Jacoby Brook confluence, Pittsfield	42.439200	-73.301250
HVA_SW 5.3	Housatonic Valley Association	Water Quality	Southwest Branch	On SW Branch, downstream of Jacoby confluence @ Fort Hill Rd intersection, Pittsfield	42.440609	-73.300623
W1573	MassDEP	Water Quality	Southwest Branch Housatonic River	[downstream from railroad bridge west of Clapp Park (south of Route 20), Pittsfield]	42.439585	-73.266618
W1636	MassDEP	Water Quality	Southwest Branch Housatonic River	[unnamed road crossing approximately 2800 feet downstream from outlet of Richmond Pond and approximately 600 feet downstream from the confluence of Shaker Brook, Pittsfield]	42.421462	-73.316853
W1637	MassDEP	Water Quality	Southwest Branch Housatonic River	[Cloverdale Street, Pittsfield]	42.422716	-73.309481
W1638	MassDEP	Water Quality	Southwest Branch Housatonic River	[Melbourne Road, Pittsfield]	42.430612	-73.310079

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1639	MassDEP	Water Quality	Southwest Branch Housatonic River	[Lebanon Avenue, Pittsfield]	42.433958	-73.306685
W1640	MassDEP	Water Quality	Southwest Branch Housatonic River	[Hungerford Street crossing nearest Lebanon Avenue (south of Route 20), Pittsfield]	42.434641	-73.305151
W1641	MassDEP	Water Quality	Southwest Branch Housatonic River	[upstream at Route 20 bridge crossing nearest Grape Street, Pittsfield (upstream of sewer line under river bed)]	42.438218	-73.302144
W1642	MassDEP	Water Quality	Southwest Branch Housatonic River	[Hungerford Street crossing nearest Fort Hill Avenue (north of Route 20), Pittsfield (downstream of the sewer line under the river bed, just upstream of the road)]	42.441222	-73.298831
W1643	MassDEP	Water Quality	Southwest Branch Housatonic River	[Hungerford Street crossing nearest Caroline Street, Pittsfield (upstream of sewer line just downstream of road)]	42.440944	-73.295805
W1644	MassDEP	Water Quality	Southwest Branch Housatonic River	[Route 20 bridge crossing nearest Frederick Street, Pittsfield]	42.439896	-73.294008
W1645	MassDEP	Water Quality	Southwest Branch Housatonic River	[Cadwell Road, Pittsfield (downstream of pipe above road)]	42.439816	-73.280688
W1646	MassDEP	Water Quality	Southwest Branch Housatonic River	[approximately 10 feet upstream of the main sewer line southwest of Clapp Park, Pittsfield]	42.438997	-73.266319
W1647	MassDEP	Water Quality	Southwest Branch Housatonic River	[approximately 20 feet downstream of the main sewer line southwest of Clapp Park, Pittsfield]	42.438888	-73.266304
W1648	MassDEP	Water Quality	Southwest Branch Housatonic River	[Barker Road, Pittsfield]	42.440192	-73.272459

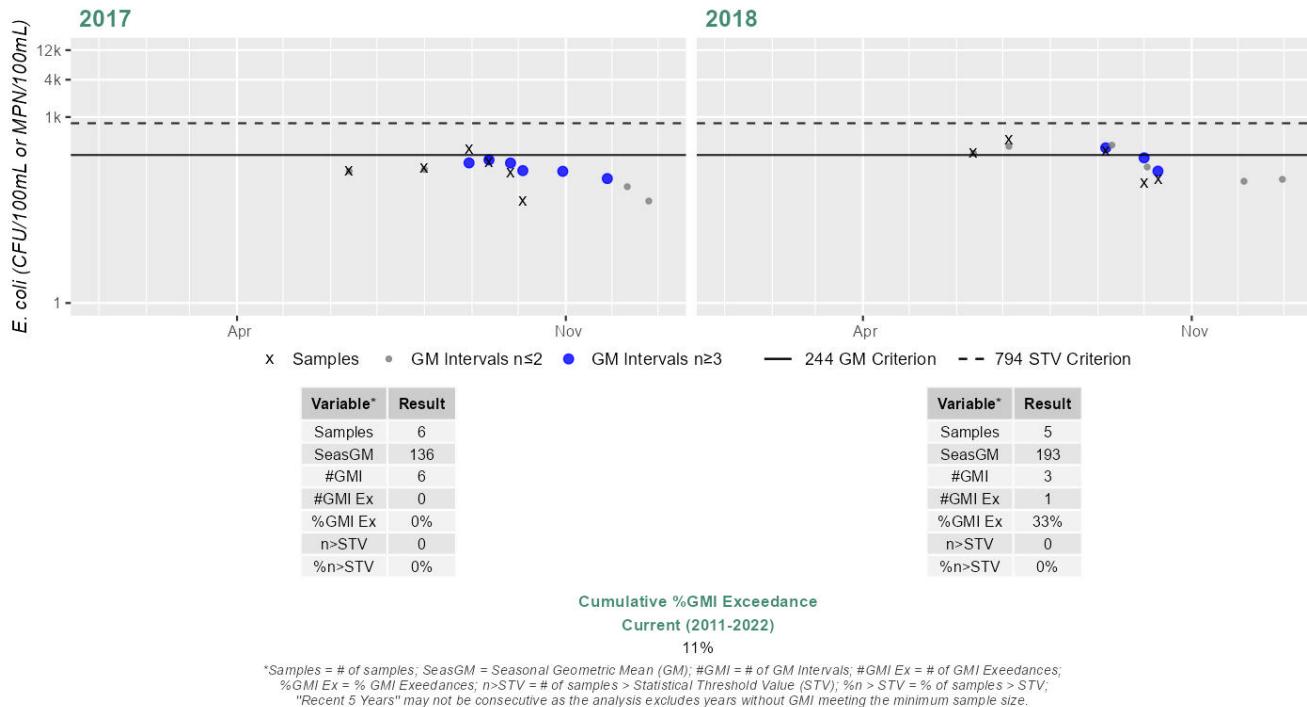
### Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)  
 [Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_SW 01.1	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	44	298	136
HVA_SW 01.1	Housatonic Valley Association	E. coli	06/12/18	10/10/18	5	85	435	193
HVA_SW 02	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	56	186	121
HVA_SW 04	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	70	325	122
HVA_SW 04	Housatonic Valley Association	E. coli	06/12/18	10/10/18	5	28	686	158
HVA_SW 07.1	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	2	21	4
HVA_SW 2.1	Housatonic Valley Association	E. coli	06/12/18	10/10/18	5	24	129	61
HVA_SW 3.8	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	73	816	234
HVA_SW 3.8	Housatonic Valley Association	E. coli	06/12/18	10/01/18	6	77	613	282
HVA_SW 4.3	Housatonic Valley Association	E. coli	08/21/18	10/10/18	5	25	201	75
HVA_SW 4.5	Housatonic Valley Association	E. coli	08/21/18	10/10/18	5	50	648	187
HVA_SW 5.0	Housatonic Valley Association	E. coli	06/12/18	10/10/18	5	25	1553	287
HVA_SW 5.3	Housatonic Valley Association	E. coli	06/12/18	10/10/18	5	172	816	331
W1573	MassDEP	E. coli	05/08/07	09/25/07	5	6	368	107
W1636	MassDEP	E. coli	06/26/06	09/18/06	4	9	240	25
W1637	MassDEP	E. coli	06/26/06	09/18/06	4	29	250	72
W1638	MassDEP	E. coli	06/26/06	09/18/06	4	105	461	166
W1639	MassDEP	E. coli	06/26/06	09/18/06	4	67	727	305
W1640	MassDEP	E. coli	06/26/06	09/18/06	4	86	727	339
W1641	MassDEP	E. coli	06/26/06	09/18/06	4	72	517	202
W1642	MassDEP	E. coli	06/26/06	09/18/06	4	91	435	166
W1643	MassDEP	E. coli	06/26/06	09/18/06	4	84	461	144
W1644	MassDEP	E. coli	06/26/06	09/18/06	4	73	111990	842
W1645	MassDEP	E. coli	06/26/06	09/18/06	4	178	613	357
W1646	MassDEP	E. coli	06/26/06	09/18/06	4	214	816	402
W1647	MassDEP	E. coli	06/26/06	09/18/06	4	124	727	315
W1648	MassDEP	E. coli	06/26/06	09/18/06	4	101	613	235

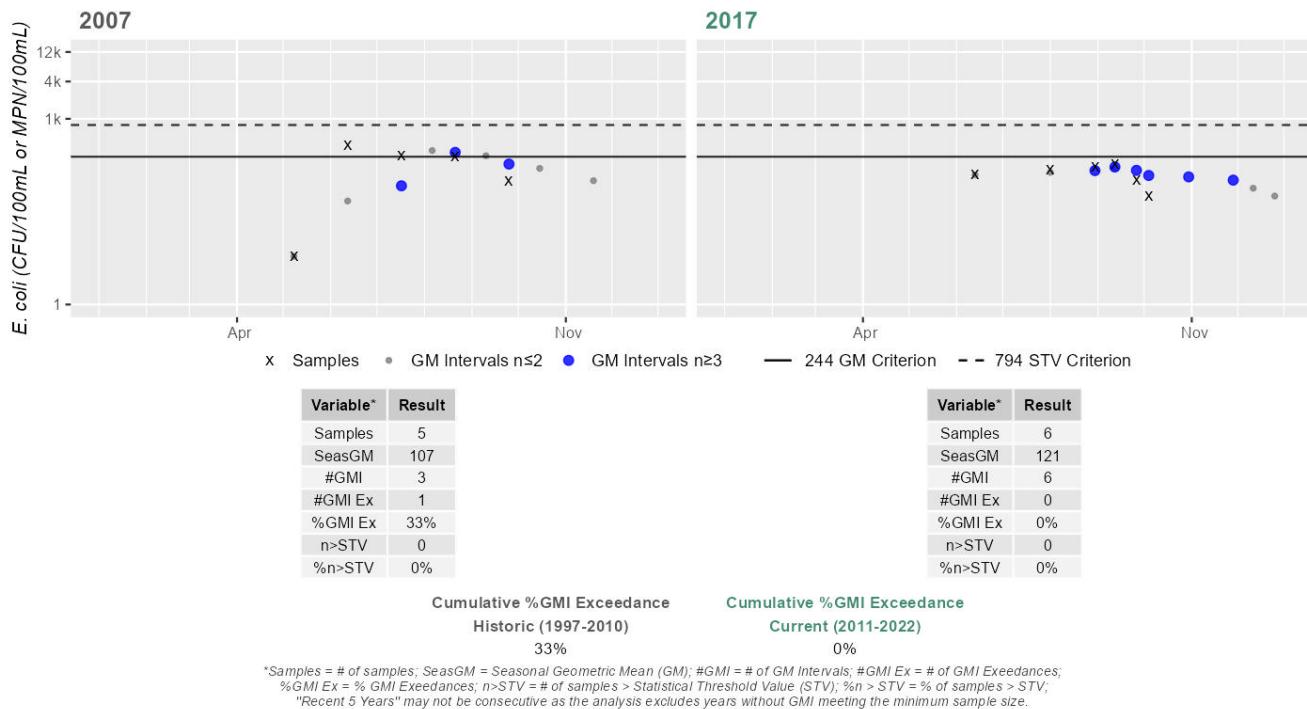
### Station HVA\_SW 01.1 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



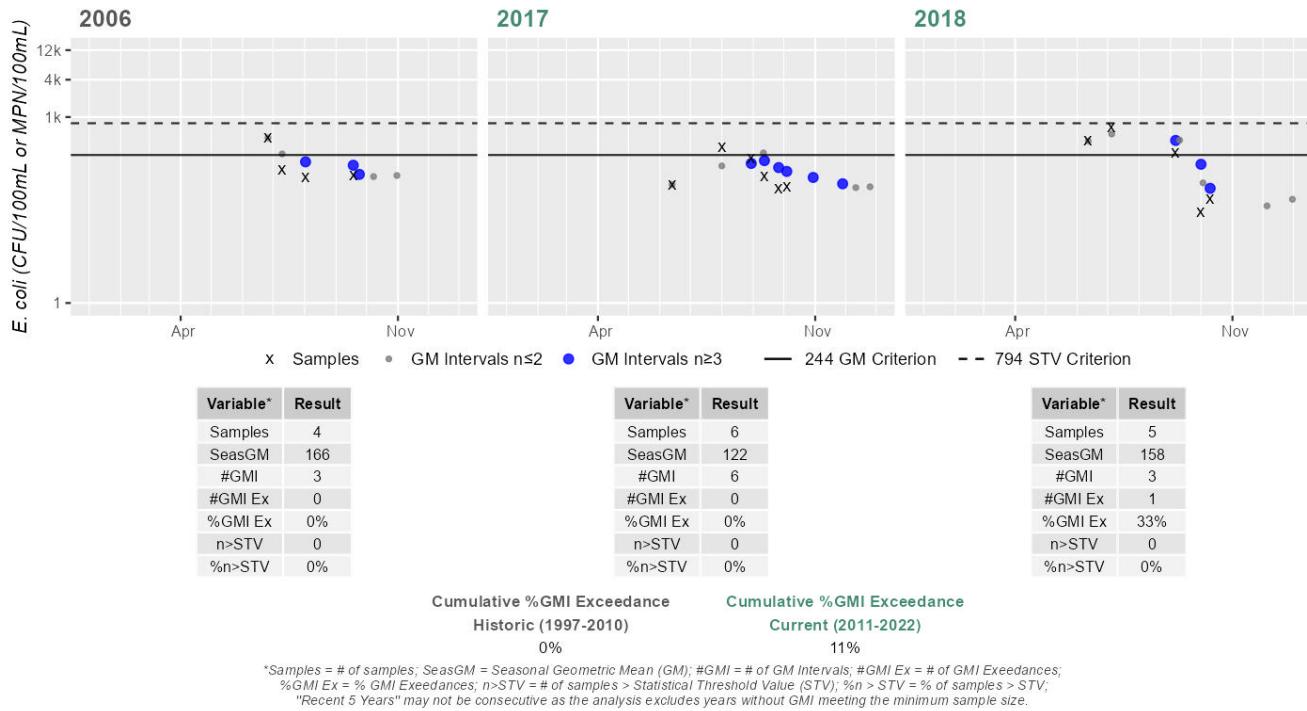
### Station HVA\_SW 02 & MASSDEP\_W1573 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



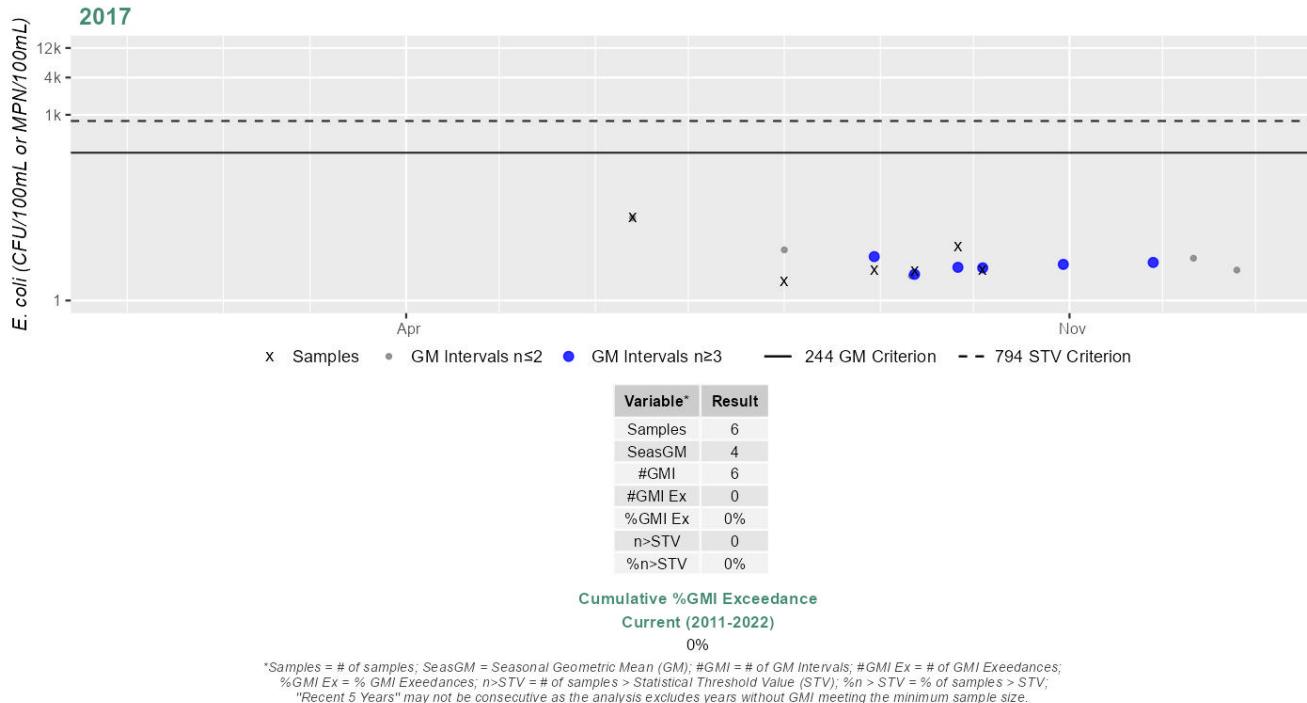
### Station HVA\_SW 04 & MASSDEP\_W1638 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



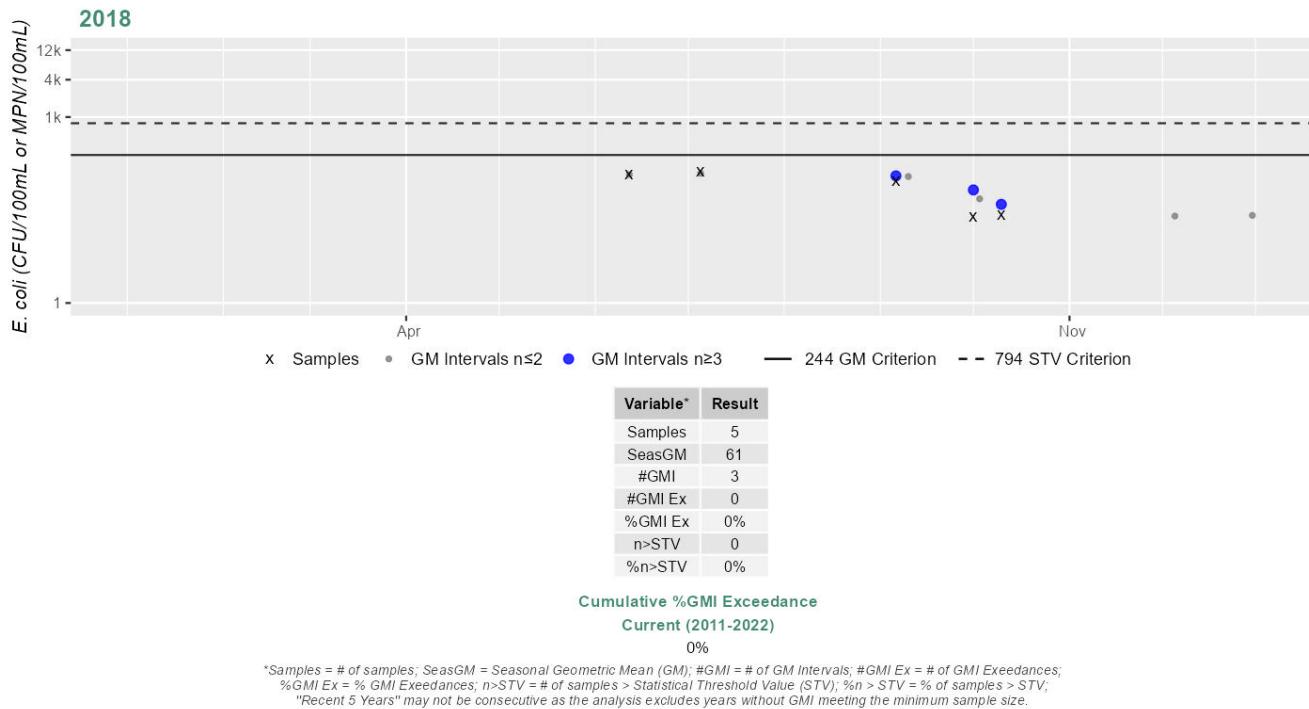
### Station HVA\_SW 07.1 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



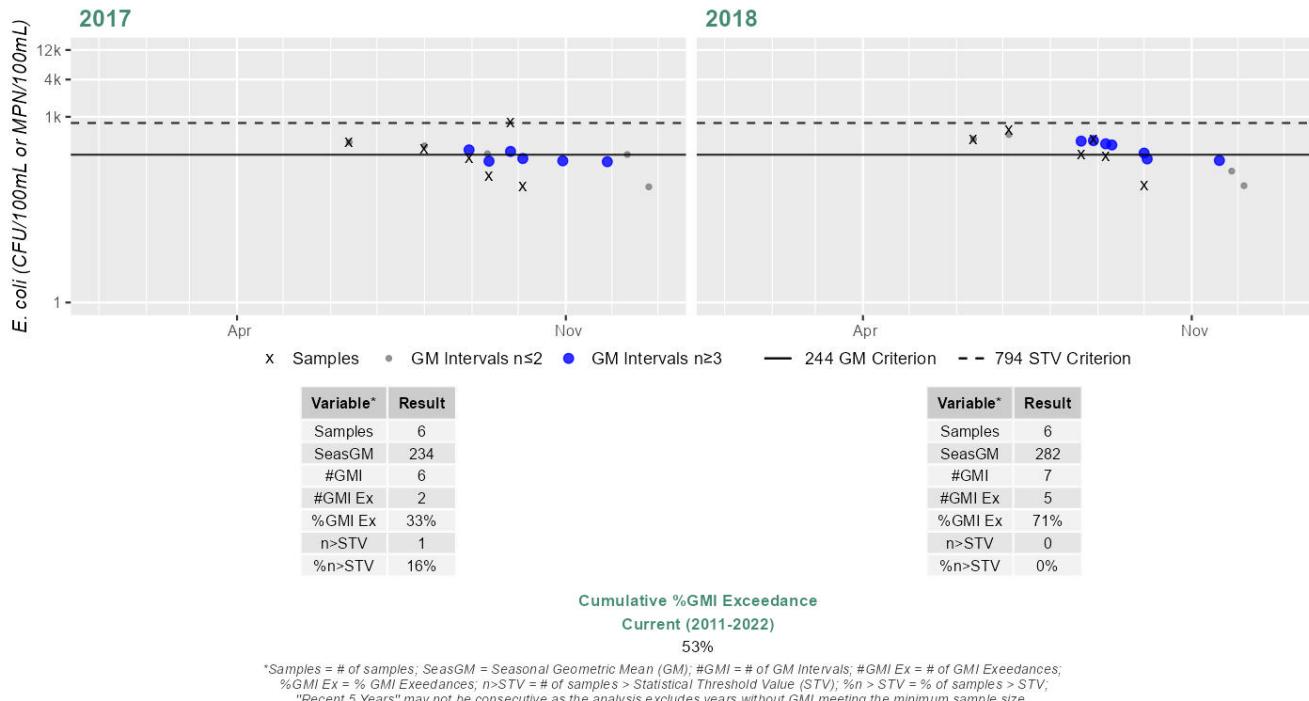
### Station HVA\_SW 2.1 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



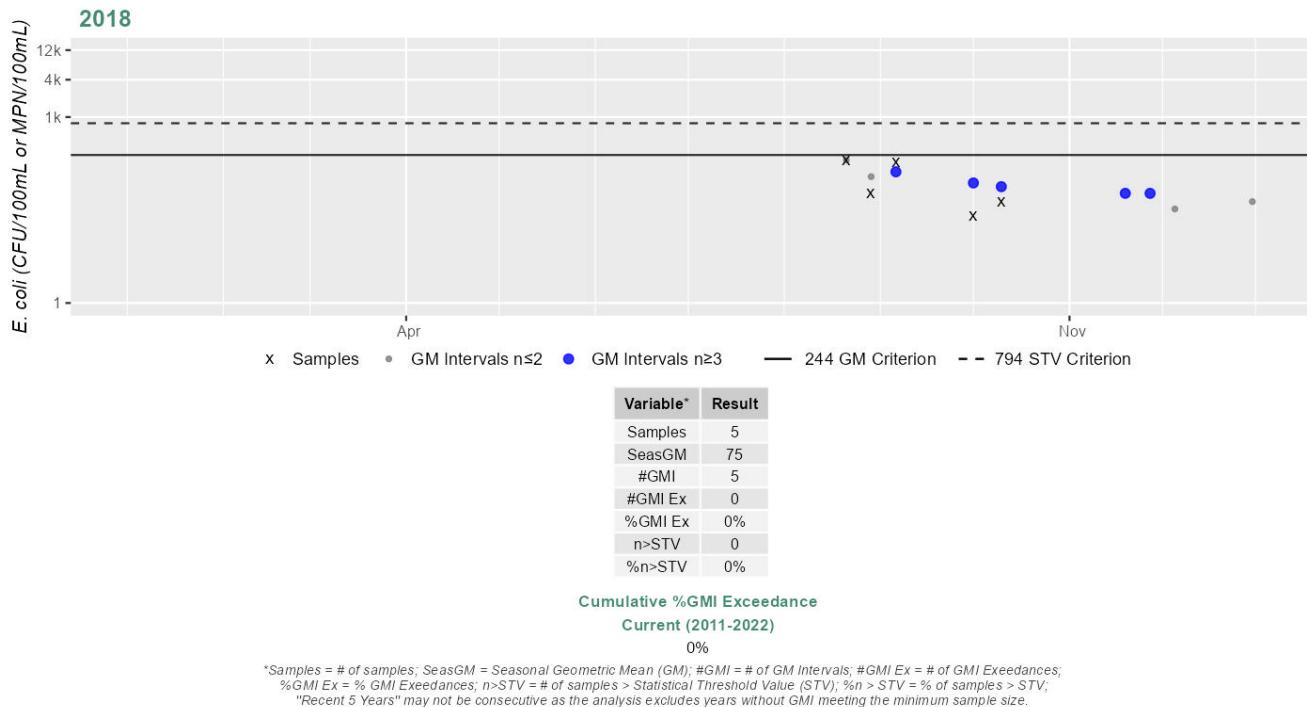
Station HVA\_SW 3.8 - *Escherichia coli*

#### Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



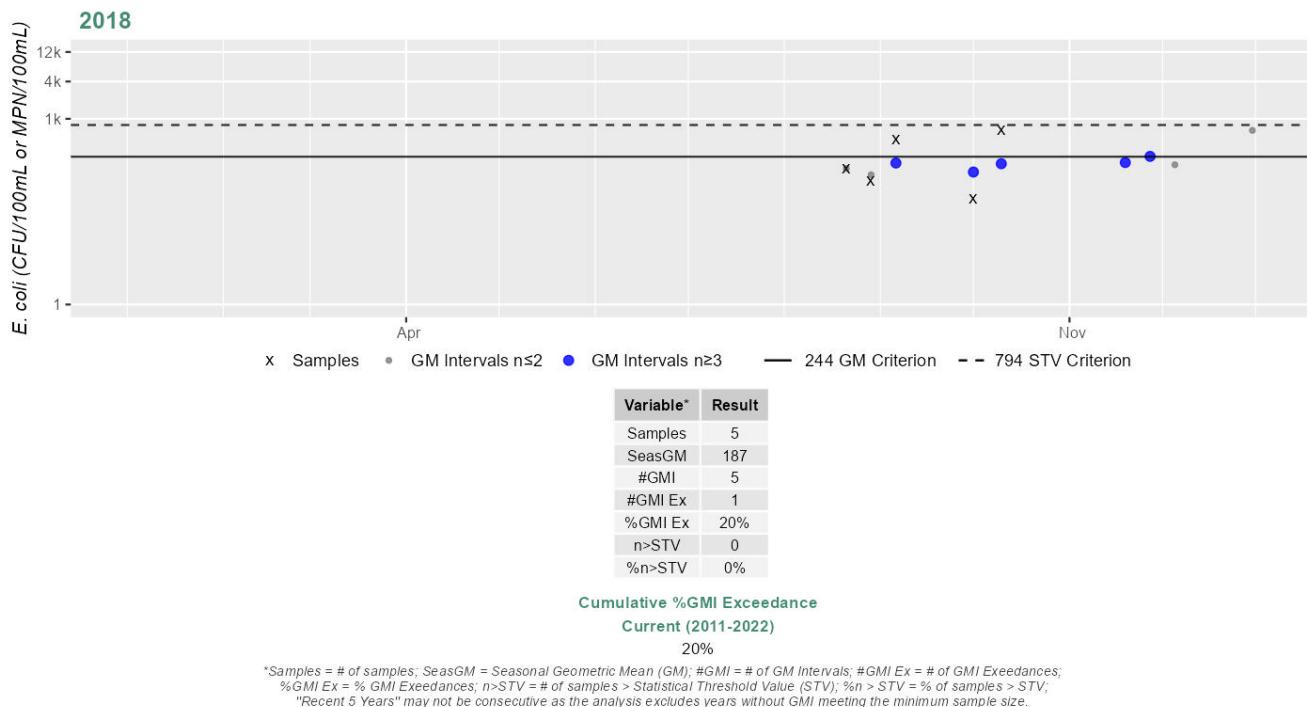
### Station HVA\_SW 4.3 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



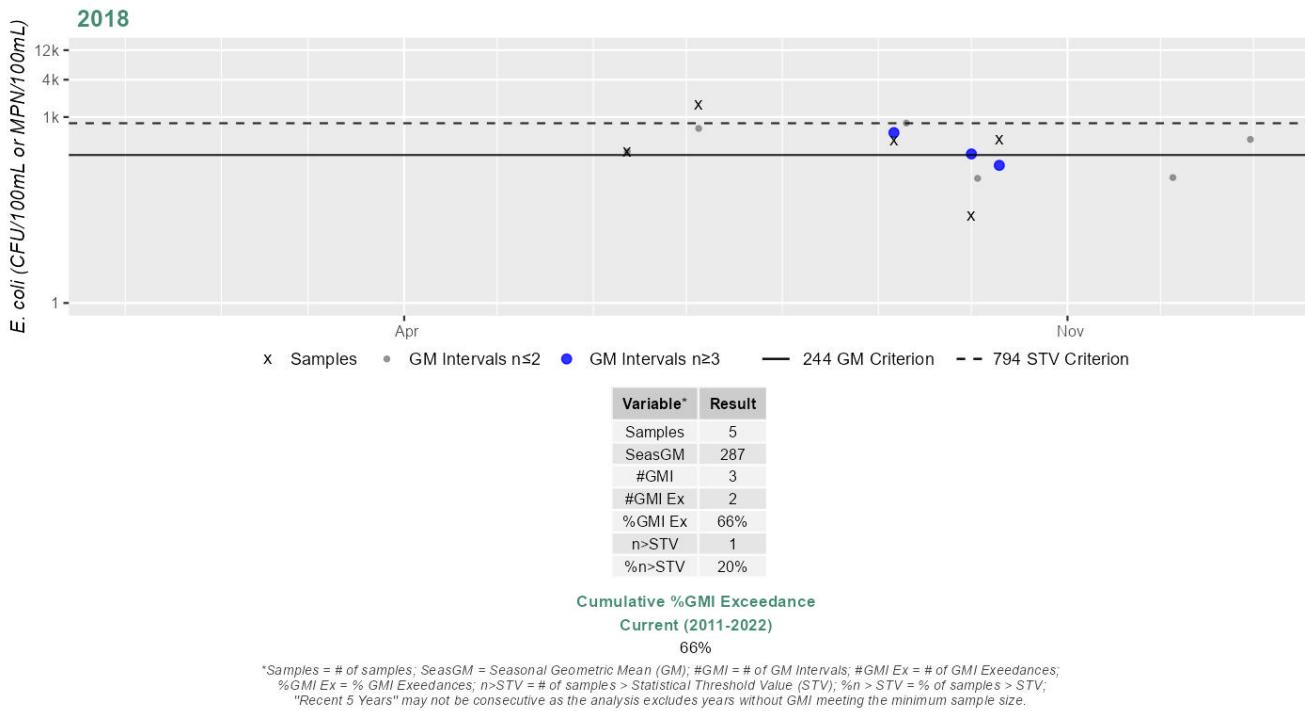
### Station HVA\_SW 4.5 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



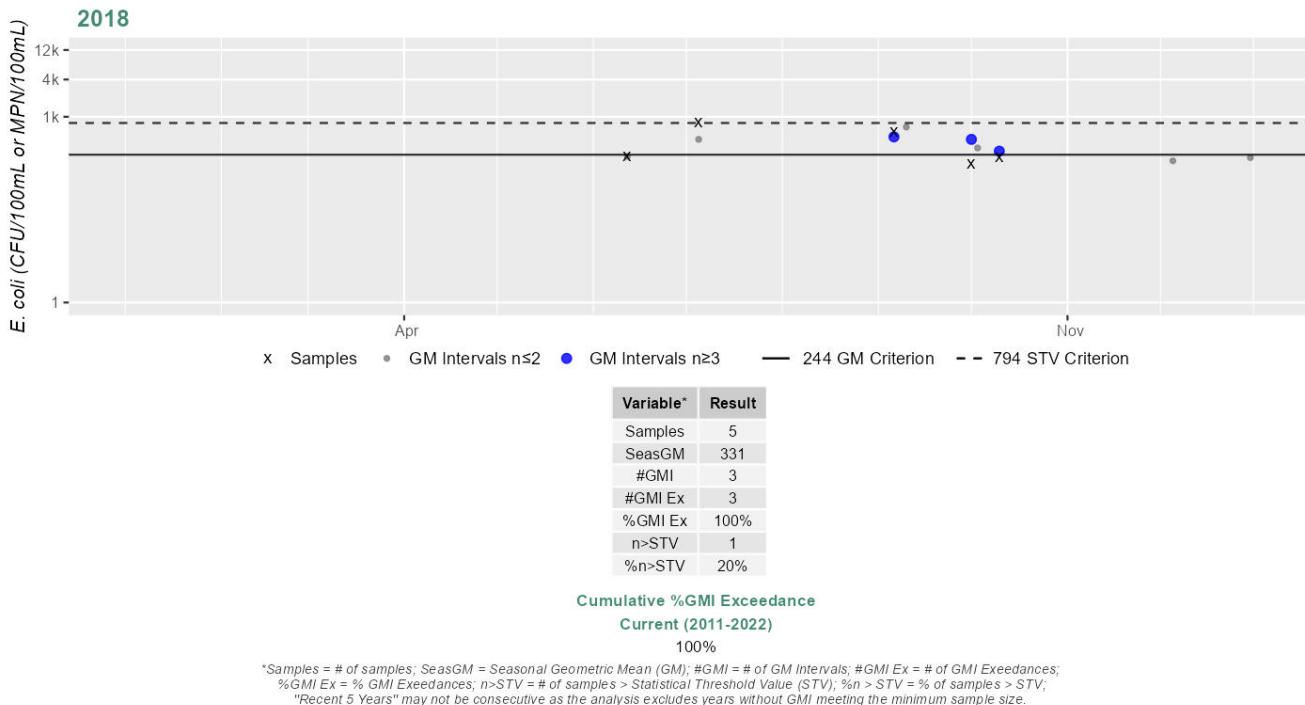
### Station HVA\_SW 5.0 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



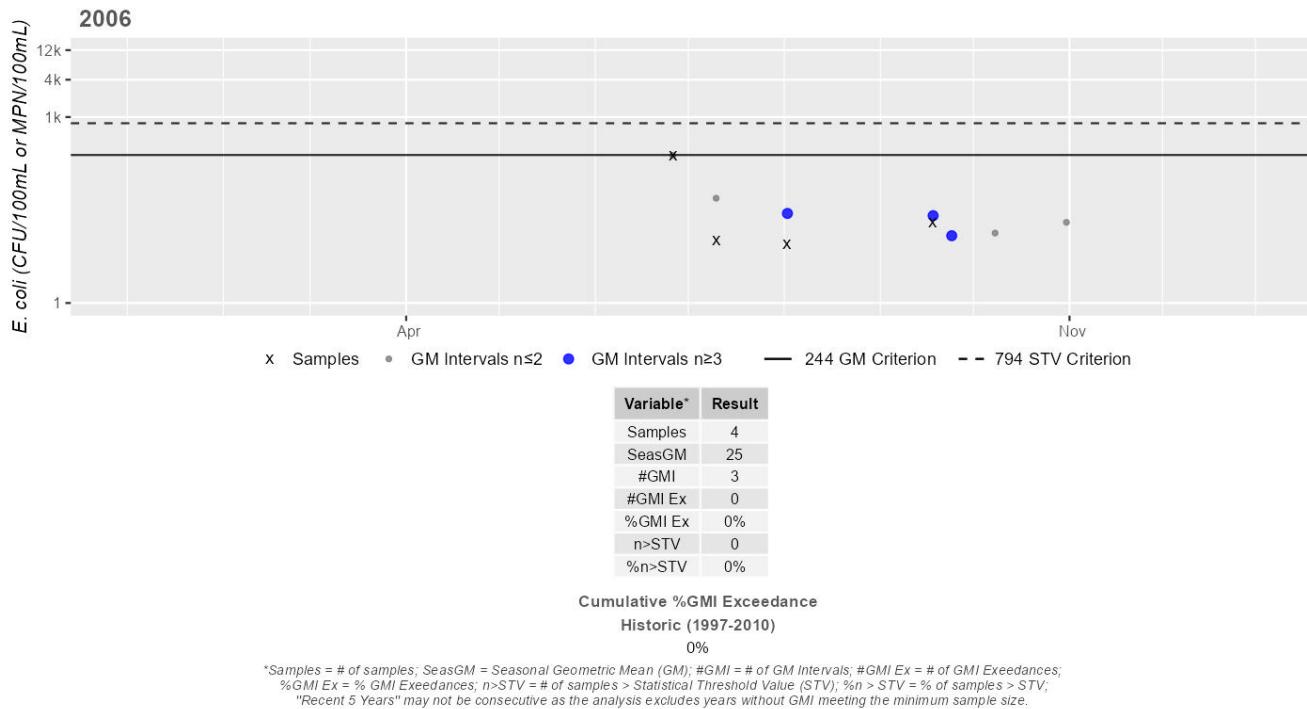
### Station HVA\_SW 5.3 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



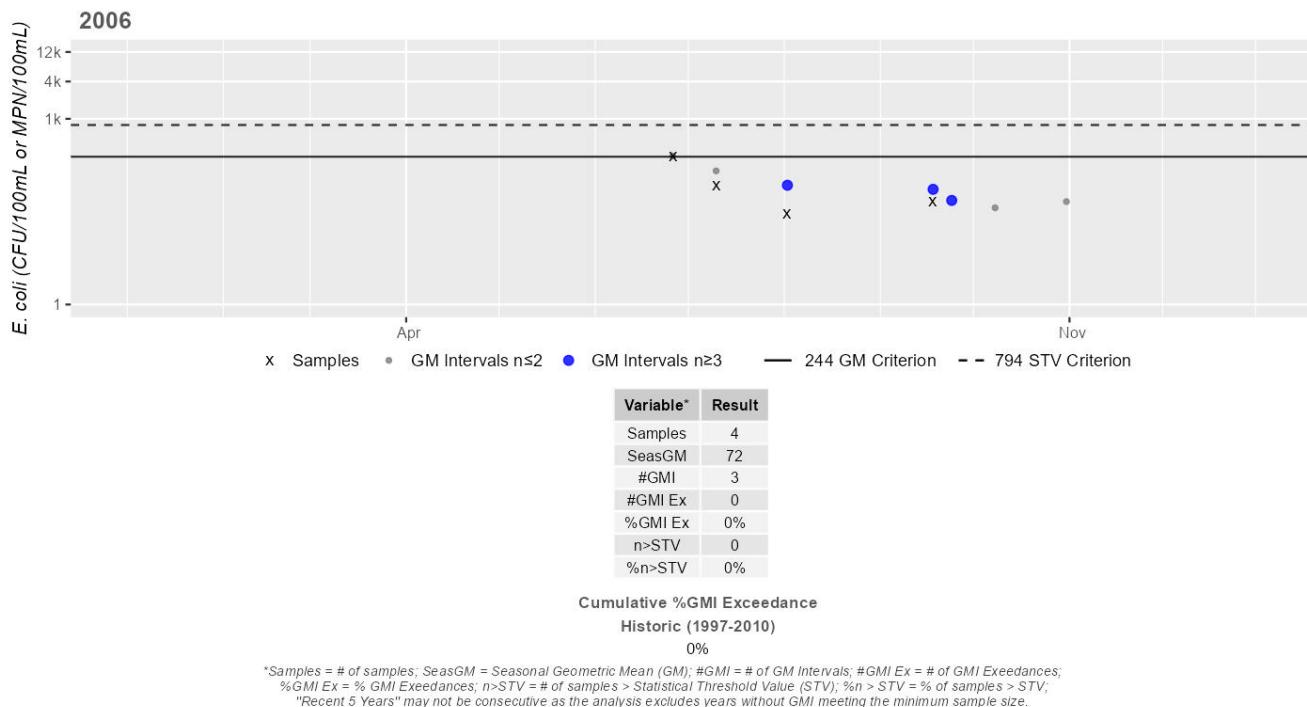
### Station MASSDEP\_W1636 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



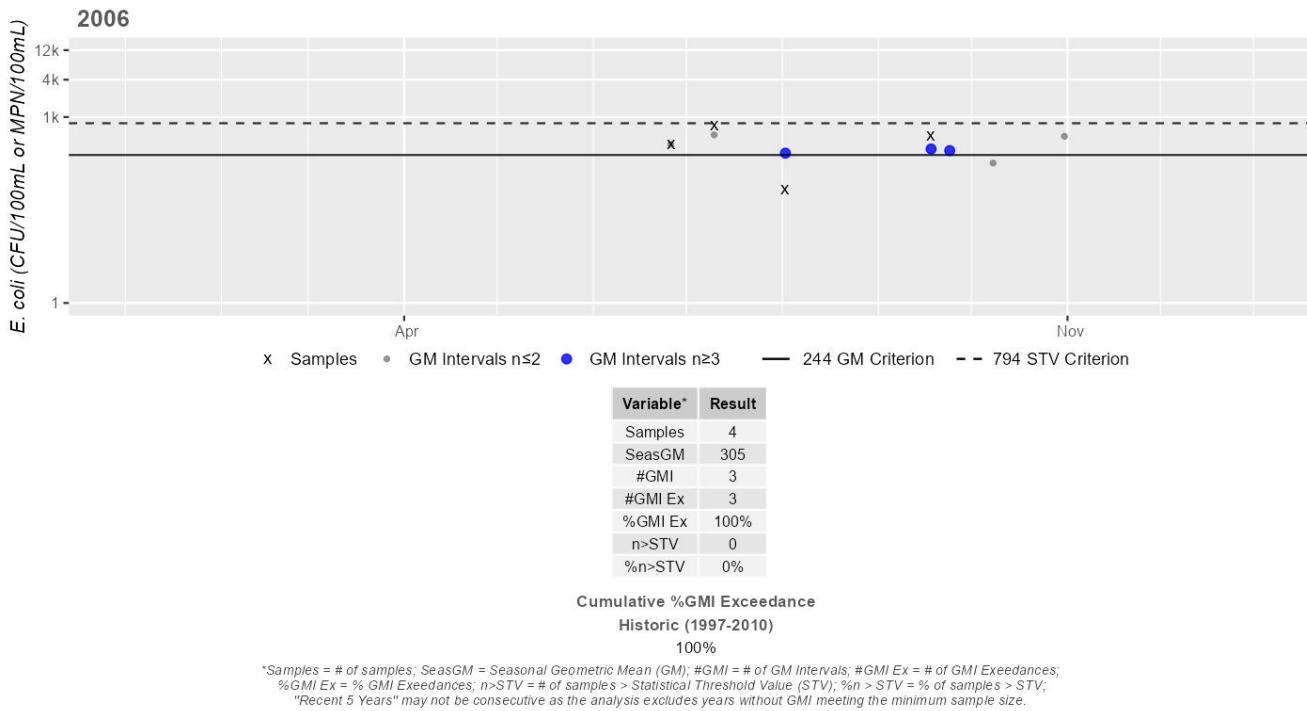
### Station MASSDEP\_W1637 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



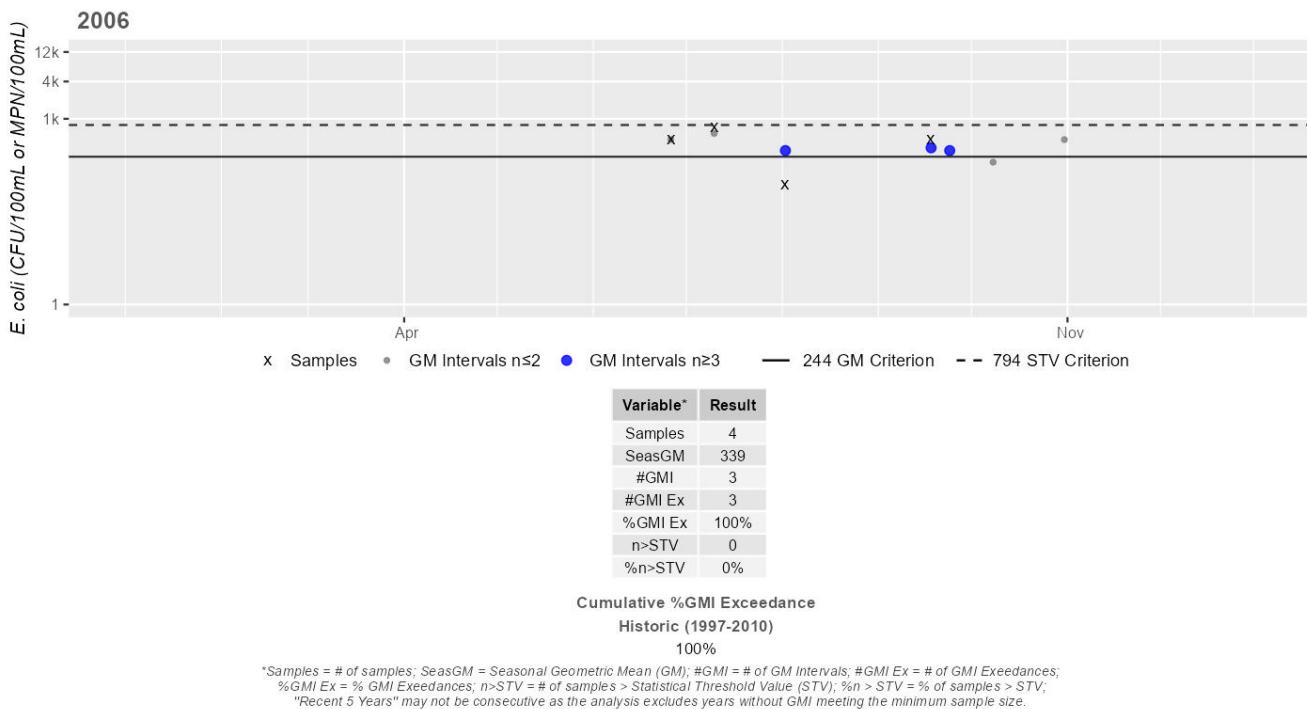
### Station MASSDEP\_W1639 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



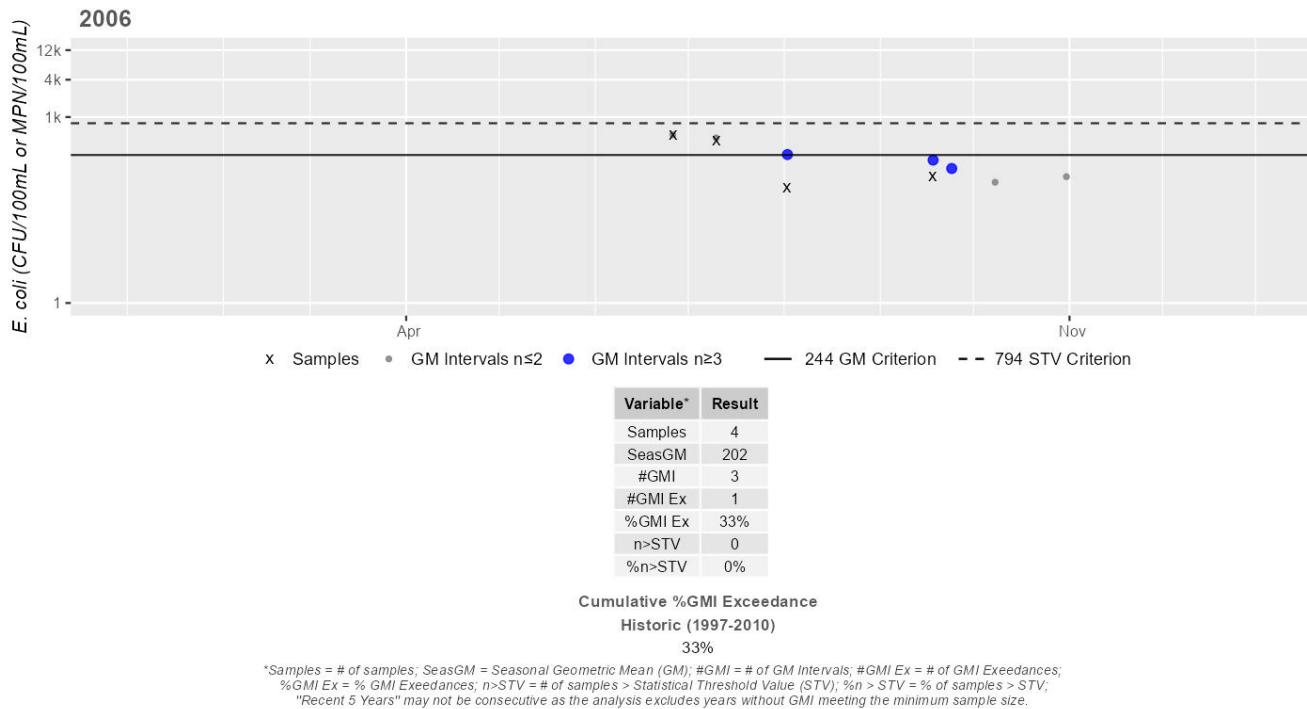
### Station MASSDEP\_W1640 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



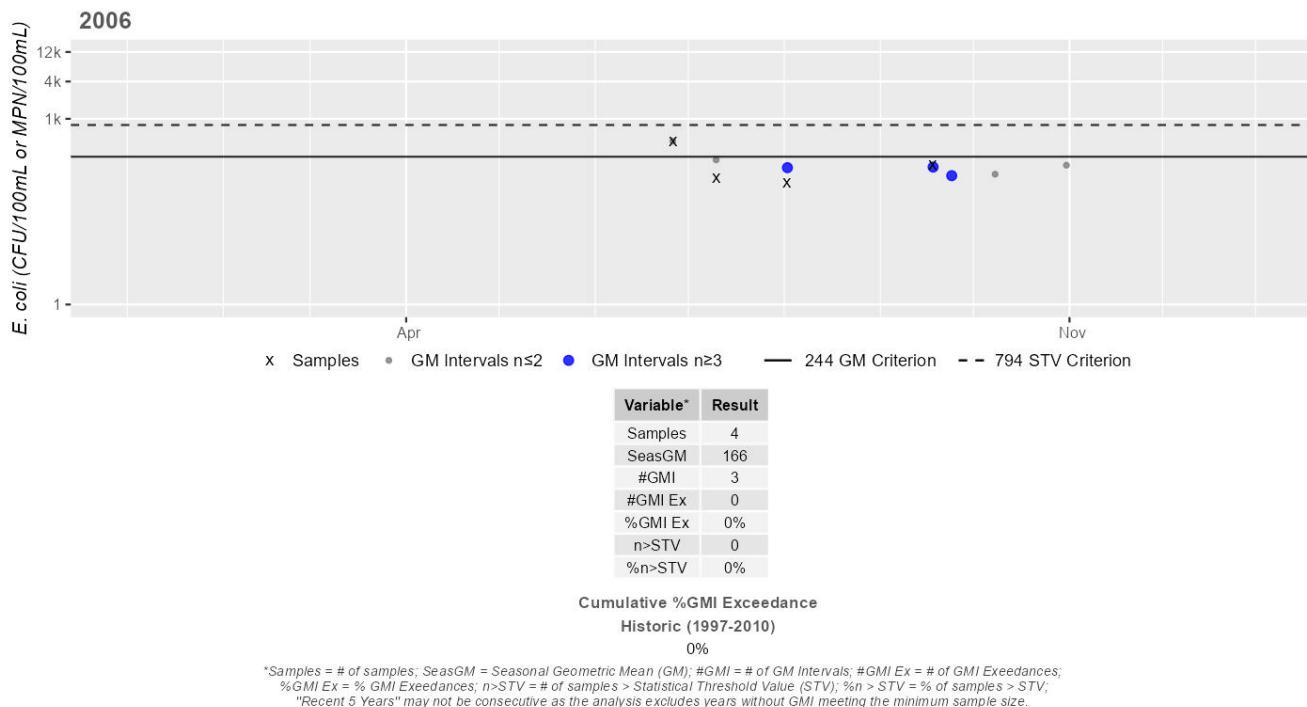
### Station MASSDEP\_W1641 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



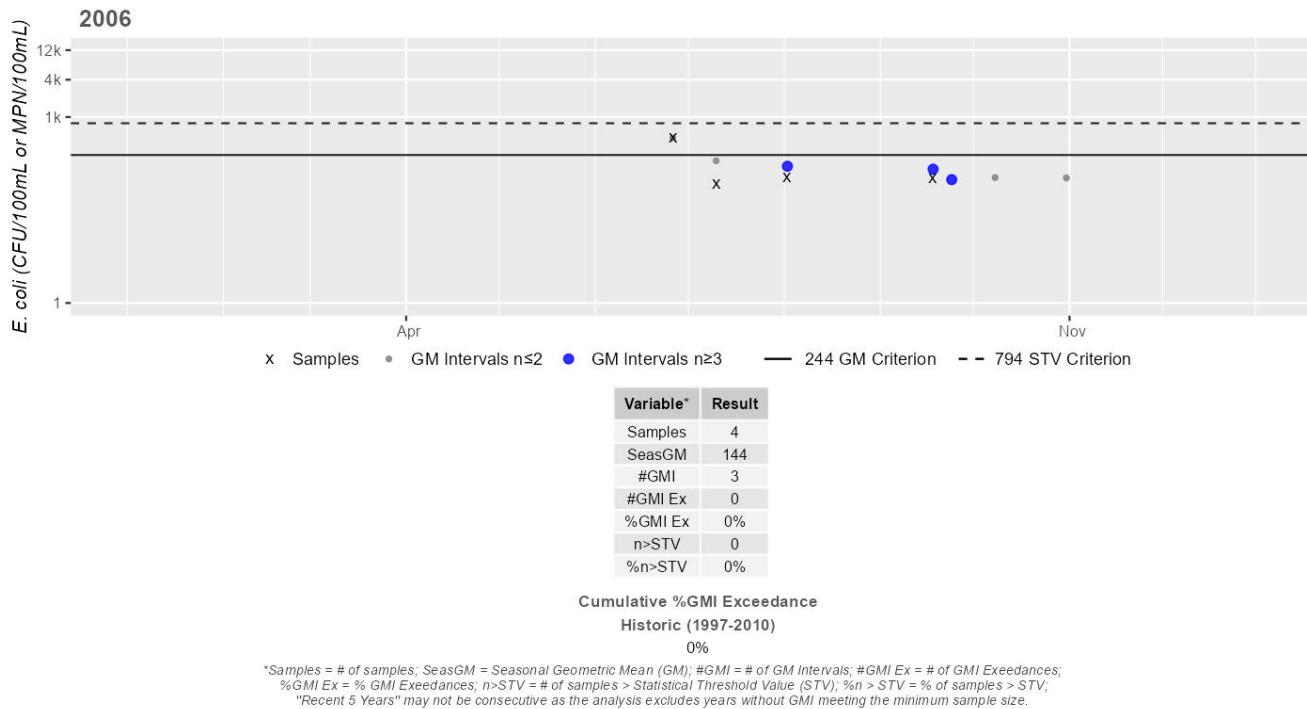
### Station MASSDEP\_W1642 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



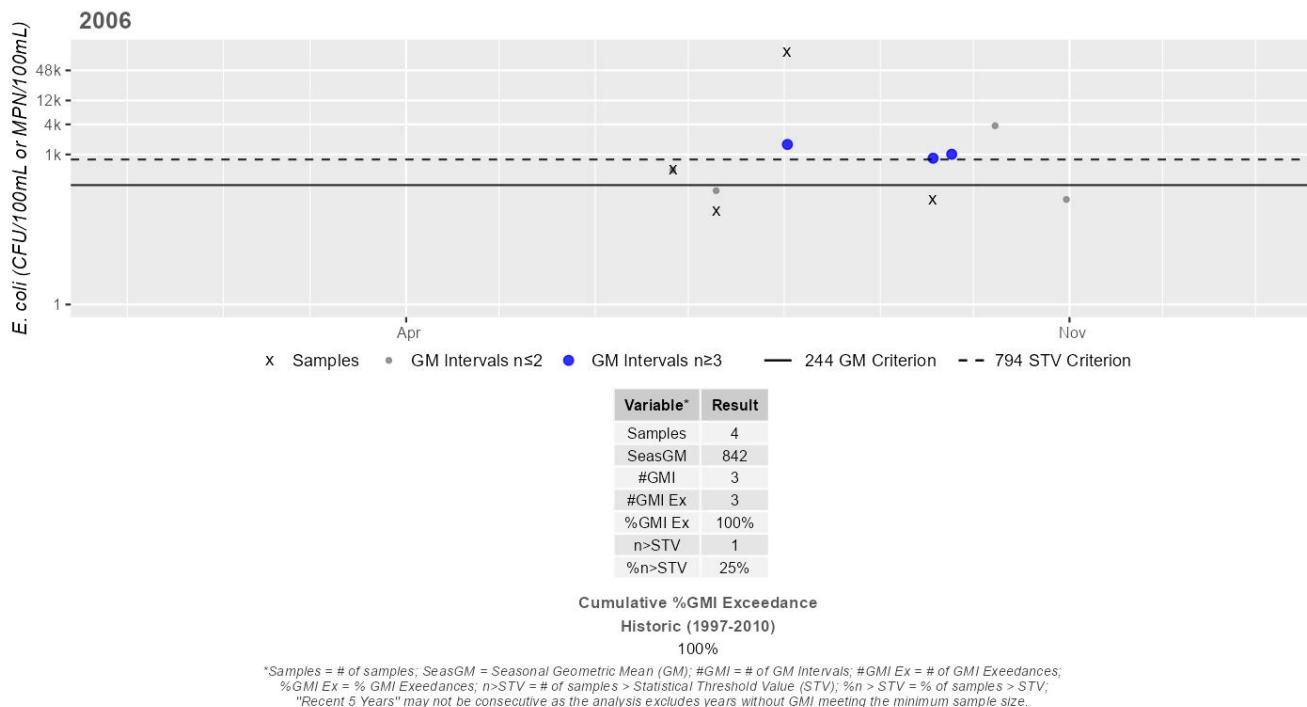
### Station MASSDEP\_W1643 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



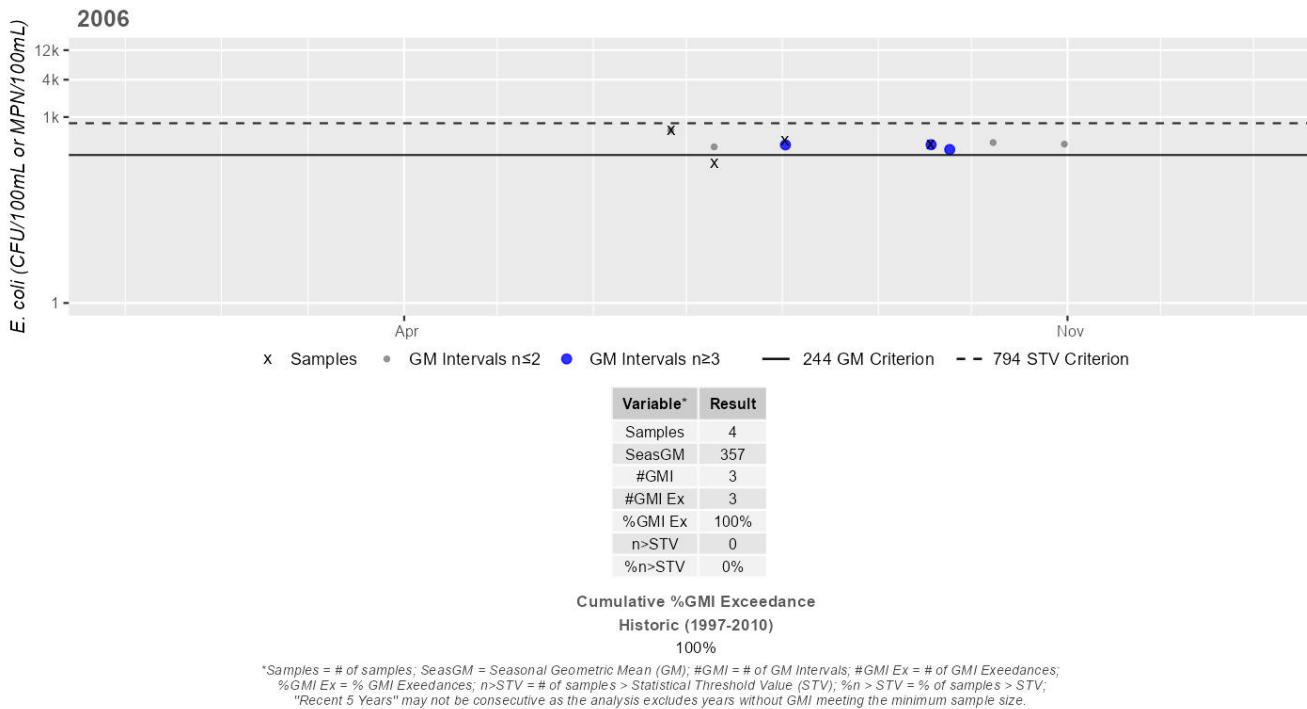
### Station MASSDEP\_W1644 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



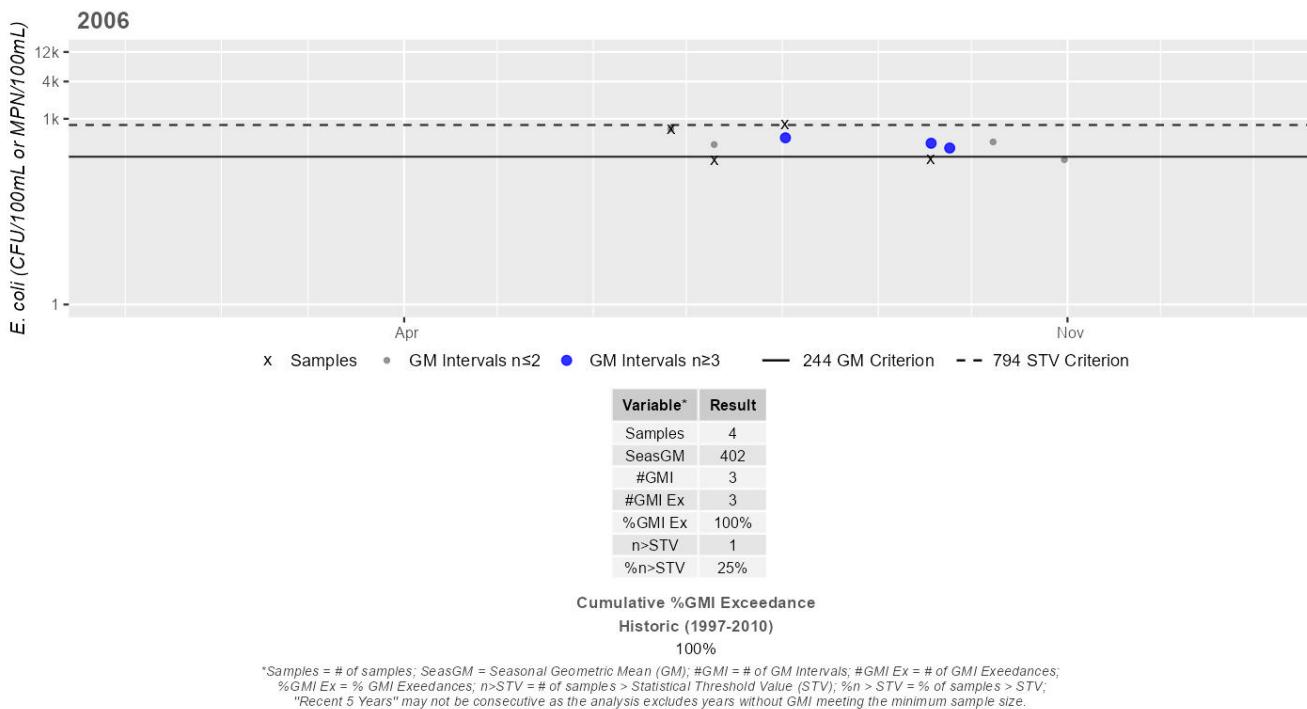
### Station MASSDEP\_W1645 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



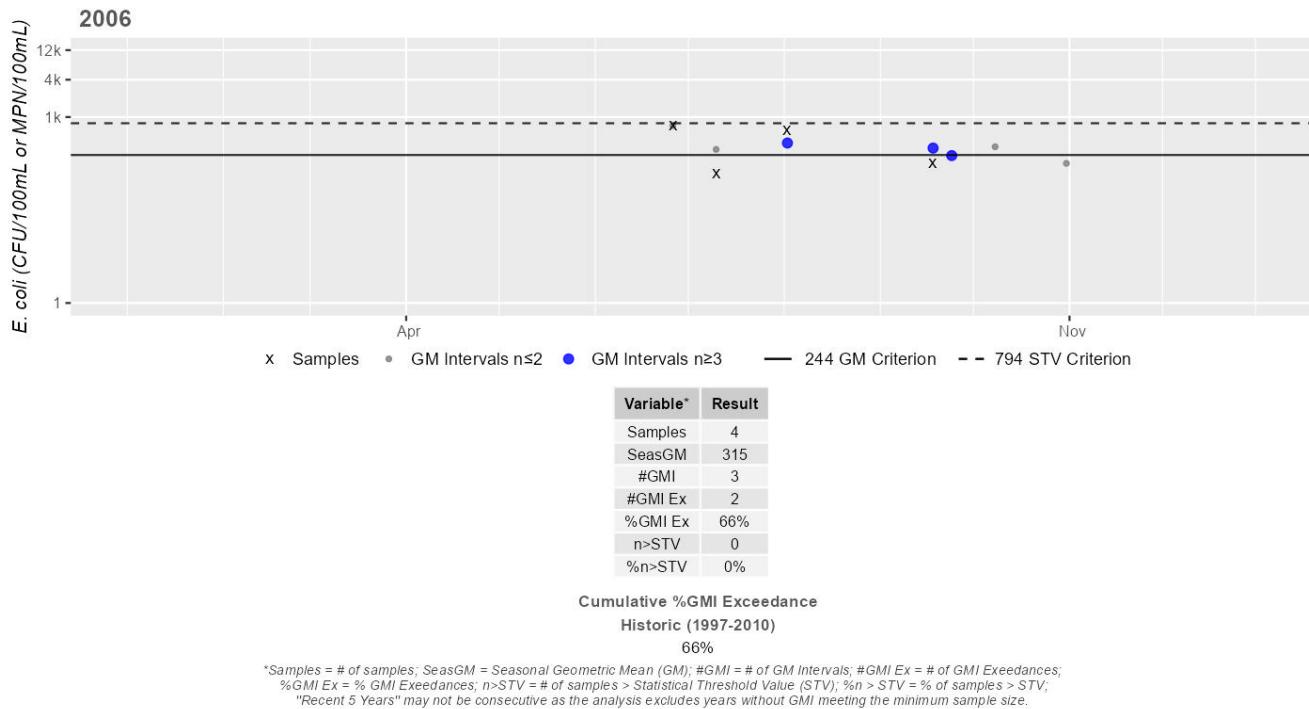
### Station MASSDEP\_W1646 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



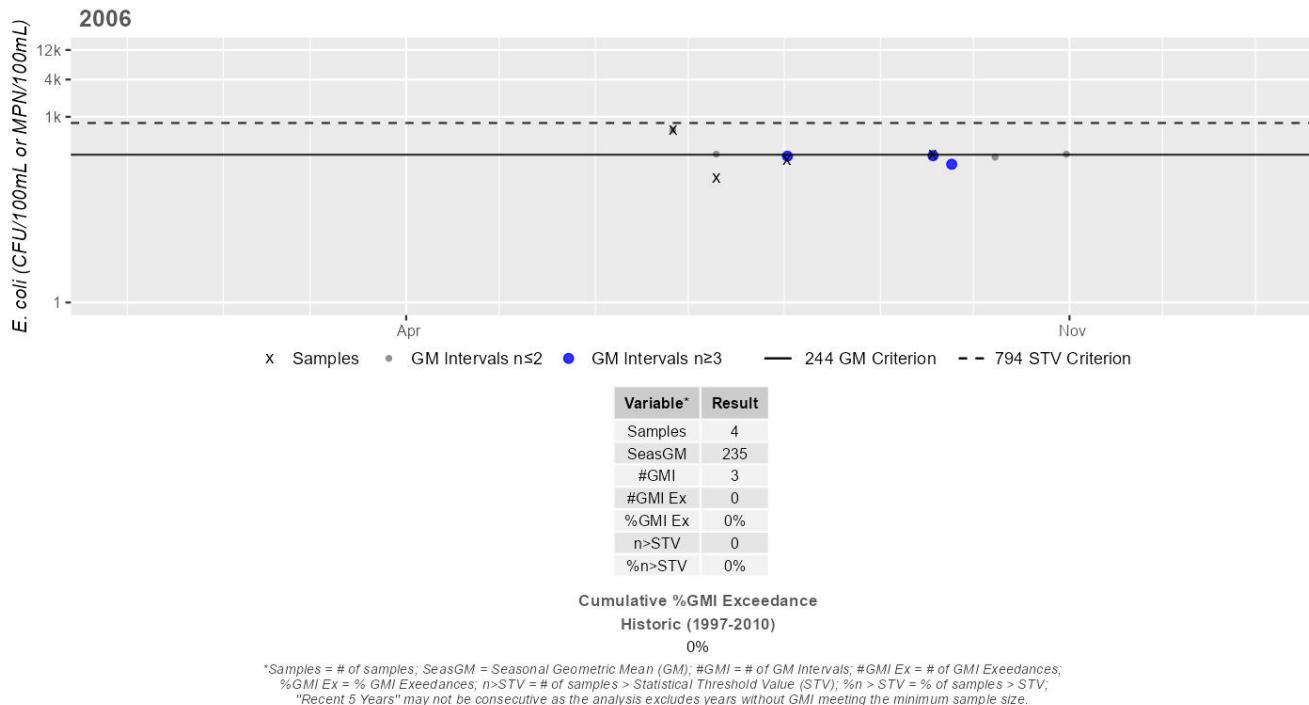
### Station MASSDEP\_W1647 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Station MASSDEP\_W1648 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Stevens Pond (MA21104)

<b>Location:</b>	Monterey.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	39 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Stevens Pond (MA21104) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
4c	4c	(Curly-leaf Pondweed*)	--		Unchanged
4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Curly-leaf Pondweed*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

# Stockbridge Bowl (MA21105)

<b>Location:</b>	Stockbridge.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	384 ACRES
<b>Classification/Qualifier:</b>	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--		Unchanged
5	5	Dissolved Oxygen	--		Unchanged
5	5	Mercury in Fish Tissue	33880		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--
Mercury in Fish Tissue	Atmospheric Deposition (Y)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--

## Recommendations

2024/26 Recommendations
2024/2026 IR [Harmful Algal Blooms, Medium] Follow-up monitoring should be conducted in Stockbridge Bowl (MA21105) to determine if Harmful Algal Blooms may be impairing the Recreational and Aesthetic uses. Monitoring should include observational data and collection of cyanobacteria cell count data, as well as continued reporting of algal blooms to MDPH.

# Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	No

### 2024/26 Use Attainment Summary

The Fish Consumption Use for Stockbridge Bowl (MA21105) continues to be assessed as Not Supporting and the prior Mercury in Fish Tissue impairment is being carried forward. Fish toxics sampling was conducted in Stockbridge Bowl (MA21105) at station F0208 in 2021 as part of the MassDEP Office of Research and Standards Mercury Initiative. MDPH included a site-specific advisory for Stockbridge Bowl in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent DPH Freshwater Fish Consumption Advisory List for the most up to date meal advice for sensitive and general populations.

## *Fish Consumption Advisories*

**Summary of Fish Toxics Sampling and Resulting Fish Consumption Advisories (MA DPH 2025) (MassDEP Undated 5)**

Summary Statement
Fish toxics sampling was conducted in Stockbridge Bowl (MA21105) at station F0208 in 2021 as part of the MassDEP Office of Research and Standards Mercury Initiative. MDPH retained the existing site-specific fish consumption advisories for Mercury associated with Stockbridge Bowl in their January 2025 Freshwater Fish Consumption Advisory List. The site-specific DPH advisories are indicative of a Fish Consumption Use impairment for Mercury in Fish Tissue for Stockbridge Bowl (MA21105).

## Aesthetic

2024/26 Use Attainment	Alert
Insufficient Information	YES

### 2024/26 Use Attainment Summary

Too limited data are available to evaluate the Aesthetics Use of Stockbridge Bowl (MA21105) so it is assessed as having Insufficient Information. However an Alert is being identified for Harmful Algal Blooms in this waterbody since C-HAB postings (a bloom of 15 days in duration) was reported to MDPH in 2018. During the period 2015 through 2022, C-HAB postings for this Stockbridge Bowl AU were reported to MDPH based on visual observations for 15 days in 2018, and no blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, an Alert is being identified for Harmful Algal Blooms. There are no other data available to assess the status of the Aesthetics Use for Stockbridge Bowl

### ***Algal Bloom Information***

**Cyanobacteria Harmful Algal Bloom (C-HAB) Summary Statements for 2015-2022 MDPH Data** (Bailey, Logan April 26, 2023) (MassDEP Undated 1)

<b>C-HAB Summary Statement</b>
During the period 2015 through 2022, C-HAB postings for Stockbridge Bowl (MA21105) were reported to MDPH based on visual observations for 15 days in 2018. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, an Alert is being identified for C-HABs in this waterbody and a recommendation for follow-up sampling will be made.

**Cyanobacteria Harmful Algal Bloom (C-HAB) Data (2015-2022) Provided by MDPH** (Bailey, Logan April 26, 2023)

(MassDEP Undated 1)

[\* indicates a C-HAB posting of unknown duration]

DEP Waterbody (DPH Waterbody)	DPH Town	Posting Days 2015	Posting Days 2016	Posting Days 2017	Posting Days 2018	Posting Days 2019	Posting Days 2020	Posting Days 2021	Posting Days 2022
Stockbridge Bowl	Stockbridge				15				

### **Primary Contact Recreation**

<b>2024/26 Use Attainment</b>	<b>Alert</b>
Insufficient Information	YES
<b>2024/26 Use Attainment Summary</b>	

No bacteria data are available to assess the Primary Contact Recreation Use for Stockbridge Bowl (MA21105) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. An Alert is being identified for Harmful Algal Bloom and additional sampling is recommended for this AU. During the period 2015 through 2022, C-HAB postings for Stockbridge Bowl (MA21105) were reported to MDPH based on visual observations for 15 days in 2018. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, a Harmful Algal Bloom Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	YES

### 2024/26 Use Attainment Summary

No bacteria data are available to assess the Secondary Contact Recreation Use for Stockbridge Bowl (MA21105) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. An Alert is being identified for Harmful Algal Bloom and additional sampling is recommended for this AU. During the period 2015 through 2022, C-HAB postings for Stockbridge Bowl (MA21105) were reported to MDPH based on visual observations for 15 days in 2018. No blooms were reported in other years. Since no extended blooms (>20 days in duration) based on cell count data were reported in recent years, an impairment decision will not be made at this time based on C-HAB postings. However, a Harmful Algal Bloom Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made.

## Stony Brook (MA21-49)

<b>Location:</b>	Headwaters, outlet Benedict Pond, Great Barrington to mouth at confluence with Konkapot Brook, at Berle Pond Dam (NAT ID# MA01046), Great Barrington.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.9 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Stony Brook (MA21-49) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Swann Brook (MA21-40)

<b>Location:</b>	Headwaters, east of Mount Wilcox Road, in the Beartown State Forest, Monterey to mouth at confluence with the Konkapot River, Monterey.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3.2 MILES
<b>Classification/Qualifier:</b>	B: CWF

No usable data were available for Swann Brook (MA21-40) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Sykes Brook (MA21-57)

<b>Location:</b>	Headwaters, perennial portion north of Sykes Mountain, Pittsfield to mouth at confluence with Housatonic River, Pittsfield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.6 MILES
<b>Classification/Qualifier:</b>	B: CWF

No usable data were available for Sykes Brook (MA21-57) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Thousand Acre Pond (MA21106)

<b>Location:</b>	New Marlborough.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	145 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Thousand Acre Pond (MA21106) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--	Unchanged

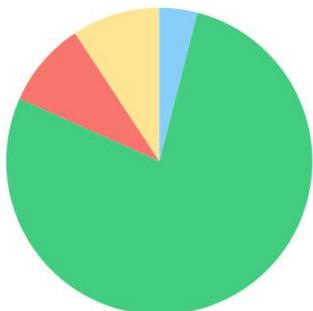
Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

## Town Brook (MA21-36)

<b>Location:</b>	Headwaters, perennial portion, Lanesborough to mouth at inlet Pontoosuc Lake, Lanesborough.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	7.9 MILES
<b>Classification/Qualifier:</b>	B

### Town Brook (MA21-36)

Watershed Area: 12.35 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	12.35	4.11	3.34	1.02
Agriculture	9.3%	12.7%	8.4%	11.2%
Developed	9%	14.4%	10.7%	13.7%
Natural	77.7%	65%	71.9%	54.9%
Wetland	4%	7.8%	8.9%	20.2%
Impervious	2.7%	4.6%	3.6%	4.7%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Town Brook (MA21-36) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Town Brook (MA21-36), so it is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Town Brook (MA21-36) are available, so the Primary Contact Recreation Use is Not Assessed.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Town Brook (MA21-36) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. MassDEP staff collected *E. coli* bacteria samples in Town Brook (MA21-36) at W1562 [upstream of unnamed tributary confluence at Miner Rd, Lanesborough] from May-Sep 2007 (n=5). Historic *E. coli* data from W1562 meet 2024 CALM guidance. Since these data were collected prior to the current IR window (2011-2022) the Secondary Contact Recreation Use cannot be positively assessed using bacteria data.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1562	MassDEP	Water Quality	Town Brook	[upstream of unnamed tributary confluence at Miner Road, Lanesborough]	42.509720	-73.234995

## Bacteria Data

### Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)

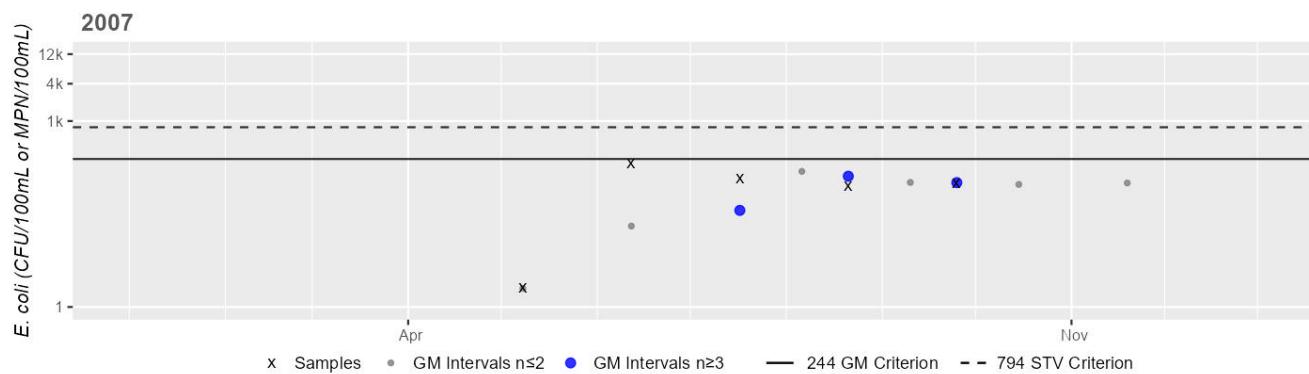
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W1562	MassDEP	E. coli	05/08/07	09/25/07	5	2	204	53

### Station MASSDEP\_W1562 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	5
SeasGM	53
#GMI	3
#GMI Ex	0
%GMI Ex	0%
$n > STV$	0
% $n > STV$	0%

#### Cumulative %GMI Exceedance Historic (1997-2010)

0%

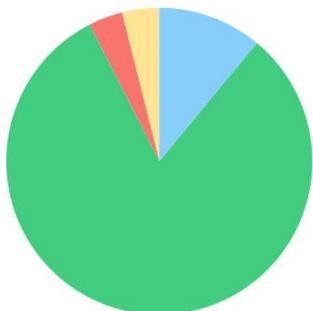
\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
%GMI Ex = % GMI Exceedances;  $n > STV$  = # of samples > Statistical Threshold Value (STV); % $n > STV$  = % of samples > STV;  
"Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Tyler Brook (MA21-32)

<b>Location:</b>	Headwaters, north of Monahan Road, Windsor to mouth at confluence with Windsor Brook, Windsor.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.5 MILES
<b>Classification/Qualifier:</b>	A: PWS, ORW, CWF (Tributary)

### Tyler Brook (MA21-32)

Watershed Area: 2.04 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	2.04	2.04	1.25	1.25
Agriculture	3.9%	3.9%	1.5%	1.5%
Developed	3.6%	3.6%	2.3%	2.3%
Natural	81.5%	81.5%	79.6%	79.6%
Wetland	11%	11%	16.7%	16.7%
Impervious	1.4%	1.4%	1.1%	1.1%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No
2024/26 Use Attainment Summary	
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Tyler Brook (MA21-32) is Not Assessed.	

## Aesthetic

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No data are available, so the Aesthetics Use for Tyler Brook (MA21-32) is Not Assessed.	

## Primary Contact Recreation

2024/26 Use Attainment		Alert
Fully Supporting		NO

2024/26 Use Attainment Summary	
The Primary Contact Recreation Use for Tyler Brook (MA21-32) is assessed as Fully Supporting. HVA staff/volunteers collected <i>E. coli</i> bacteria samples in Tyler Brook (MA21-32) at HVA_TYL400 [upstream of Main Dalton Rd Bridge, Windsor] from Jun-Sep 2020 (n=8). Analysis of the single year moderate frequency <i>E. coli</i> dataset from HVA_TYL400 indicated 0% of intervals had GMs >126 CFU/100ml and no samples exceeded the 410 CFU/100ml STV. <i>E. coli</i> data from HVA_TYL400 meet 2024 CALM guidance.	

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_TYL400	Housatonic Valley Association	Water Quality	Tyler Brook	Upstream of Main Dalton Road Bridge, Windsor	42.507287	-73.079907

## Bacteria Data

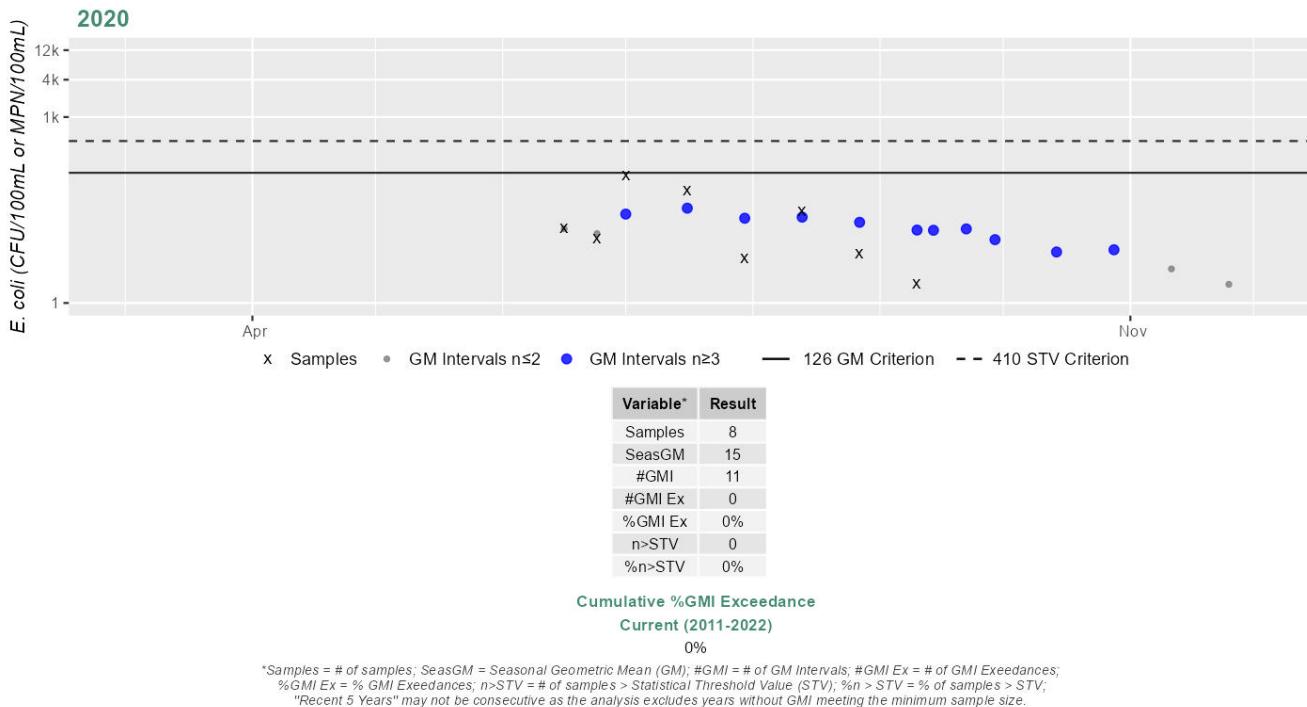
Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_TYL400	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	2	115	15

### Station HVA\_TYL400 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Tyler Brook (MA21-32) is assessed as Fully Supporting. HVA staff/volunteers collected *E. coli* bacteria samples in Tyler Brook (MA21-32) at HVA\_TYL400 [upstream of Main Dalton Rd Bridge, Windsor] from Jun-Sep 2020 (n=8). Analysis of the single year moderate frequency *E. coli* dataset from HVA\_TYL400 indicated 0% of intervals had GMs >244 CFU/100ml and no samples exceeded the 794 CFU/100ml STV. *E. coli* data from HVA\_TYL400 meet 2024 CALM guidance.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_TYL400	Housatonic Valley Association	Water Quality	Tyler Brook	Upstream of Main Dalton Road Bridge, Windsor	42.507287	-73.079907

## Bacteria Data

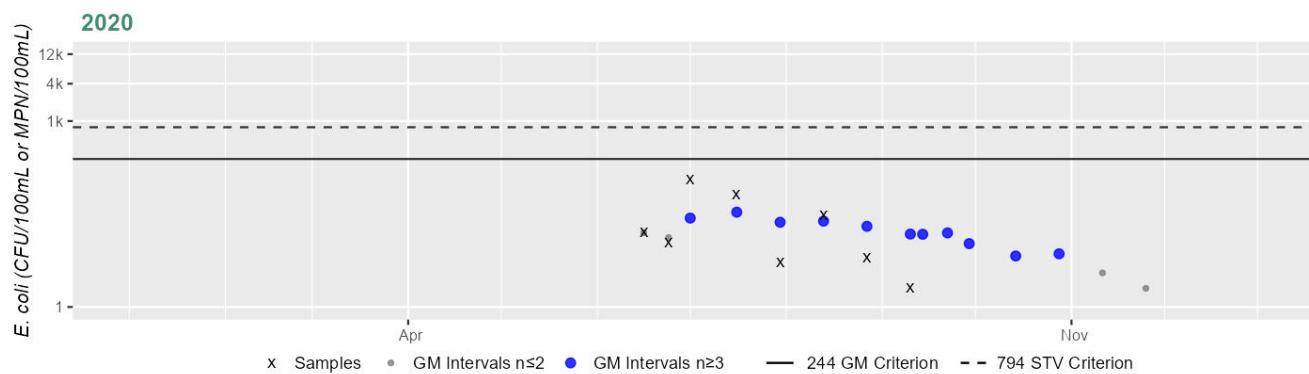
**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022)** (MassDEP Undated 1)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_TYL400	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	2	115	15

### Station HVA\_TYL400 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	8
SeasGM	15
#GMI	11
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

#### Cumulative %GMI Exceedance

Current (2011-2022)

0%

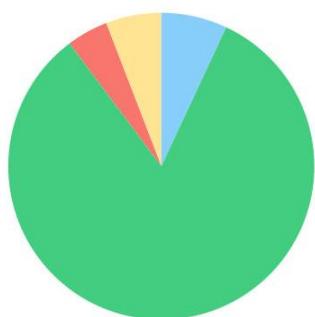
\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Umpachene River (MA21-75)

<b>Location:</b>	Headwaters, perennial portion west of Idle Hour Road, New Marlborough to mouth at confluence with Konkapot River, New Marlborough.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	7.8 MILES
<b>Classification/Qualifier:</b>	B

### Umpachene River (MA21-75)

Watershed Area: 10.45 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	10.41	6.98	3.00	2.06
Agriculture	5.9%	5.4%	3.4%	3.7%
Developed	4.4%	5.3%	4.7%	5.9%
Natural	82.8%	84.3%	82.2%	83.2%
Wetland	7%	5%	9.6%	7.2%
Impervious	1.9%	2.1%	2.2%	2.7%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Umpachene River (MA21-75) is Not Assessed.

## Aesthetic

2024/26 Use Attainment		Alert
Fully Supporting		NO

### 2024/26 Use Attainment Summary

The Aesthetics Use for this Umpachene River AU (MA21-75) is being assessed as Fully Supporting. MassDEP staff recorded aesthetics observations at one station, a third of the way down this Umpachene River AU east of New Marlborough-Southfield Road, ~4325 feet upstream of Norfolk Road, New Marlborough (W2267), in summer 2012 (n=6). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded by MassDEP field sampling crews during the surveys.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2267	MassDEP	Water Quality	Umpachene River	[east of New Marlborough-Southfield Road, approximately 4325 feet upstream of Norfolk Road, New Marlborough]	42.113803	-73.232313

## Aesthetic Observations

### Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 4)

[Note: scums of natural origins (e.g. pollen blankets or natural foams) are excluded.]

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2267	2012	6	Aesthetic observations were made by MassDEP field sampling crews at Station W2267 on Umpachene River (MA21-75) during 6 site visits between May 2012 and Sep 2012. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

### Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 6) (MassDEP Undated 4)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2267	2012	6	6	0

### MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 6)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2267	Umpachene River	2012	Aquatic Plant Density, Overall	None	6	6
W2267	Umpachene River	2012	Color	None	6	6
W2267	Umpachene River	2012	Objectionable Deposits	No	6	6
W2267	Umpachene River	2012	Odor	None	6	6
W2267	Umpachene River	2012	Periphyton Density, Filamentous	None	6	6
W2267	Umpachene River	2012	Periphyton Density, Film	Moderate	1	6
W2267	Umpachene River	2012	Periphyton Density, Film	None	4	6
W2267	Umpachene River	2012	Periphyton Density, Film	Sparse	1	6
W2267	Umpachene River	2012	Scum	No	6	6
W2267	Umpachene River	2012	Turbidity	None	6	6

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO
2024/26 Use Attainment Summary	
The Primary Contact Recreation Use for the Umpachene River (MA21-75) is assessed as Fully Supporting. MassDEP staff collected <i>E. coli</i> bacteria samples in the Umpachene River (MA21-75) at W2267 [E of New Marlborough-Southfield Rd, ~4325 ft upstream of Norfolk Rd, New Marlborough] from May-Sep 2012 (n=6). <i>E. coli</i> data from W2267 meet 2024 CALM guidance.	

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2267	MassDEP	Water Quality	Umpachene River	[east of New Marlborough-Southfield Road, approximately 4325 feet upstream of Norfolk Road, New Marlborough]	42.113803	-73.232313

## Bacteria Data

### Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)

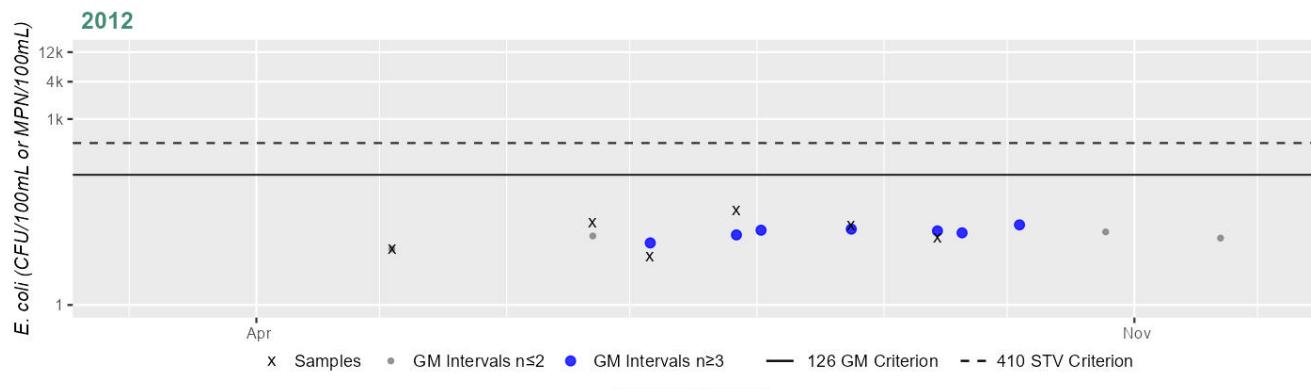
(MassDEP Undated 6) (MassDEP Undated 4)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W2267	MassDEP	E. coli	05/03/12	09/13/12	6	6	33	14

#### Station MASSDEP\_W2267 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



Variable*	Result
Samples	6
SeasGM	14
#GMI	7
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

#### Cumulative %GMI Exceedance Current (2011-2022)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO
<b>2024/26 Use Attainment Summary</b>	

The Secondary Contact Recreation Use for the Umpachene River (MA21-75) is assessed as Fully Supporting. MassDEP staff collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in the Umpachene River (MA21-75) from 1998-2012 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: W2267 [E of New Marlborough-Southfield Rd, ~4325 ft upstream of Norfolk Rd, New Marlborough] from May-Sep 2012 (n=6), W0468 [just upstream of confluence with Konkapot River. SE of the intersection of Clayton Mill River Rd, Brewer Branch Rd and Hadsell St] from May 1998 (n=1). *E. coli* data from W2267 meet 2024 CALM guidance.

### **Monitoring Stations**

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W0468	MassDEP	Water Quality	Umpachene River	[just upstream of confluence with Konkapot River. Southeast of the intersection of Clayton Mill River Road, Brewer Branch Road and Hadsell Street.]	42.093622	-73.272218
W2267	MassDEP	Water Quality	Umpachene River	[east of New Marlborough-Southfield Road, approximately 4325 feet upstream of Norfolk Road, New Marlborough]	42.113803	-73.232313

### **Bacteria Data**

#### **Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)**

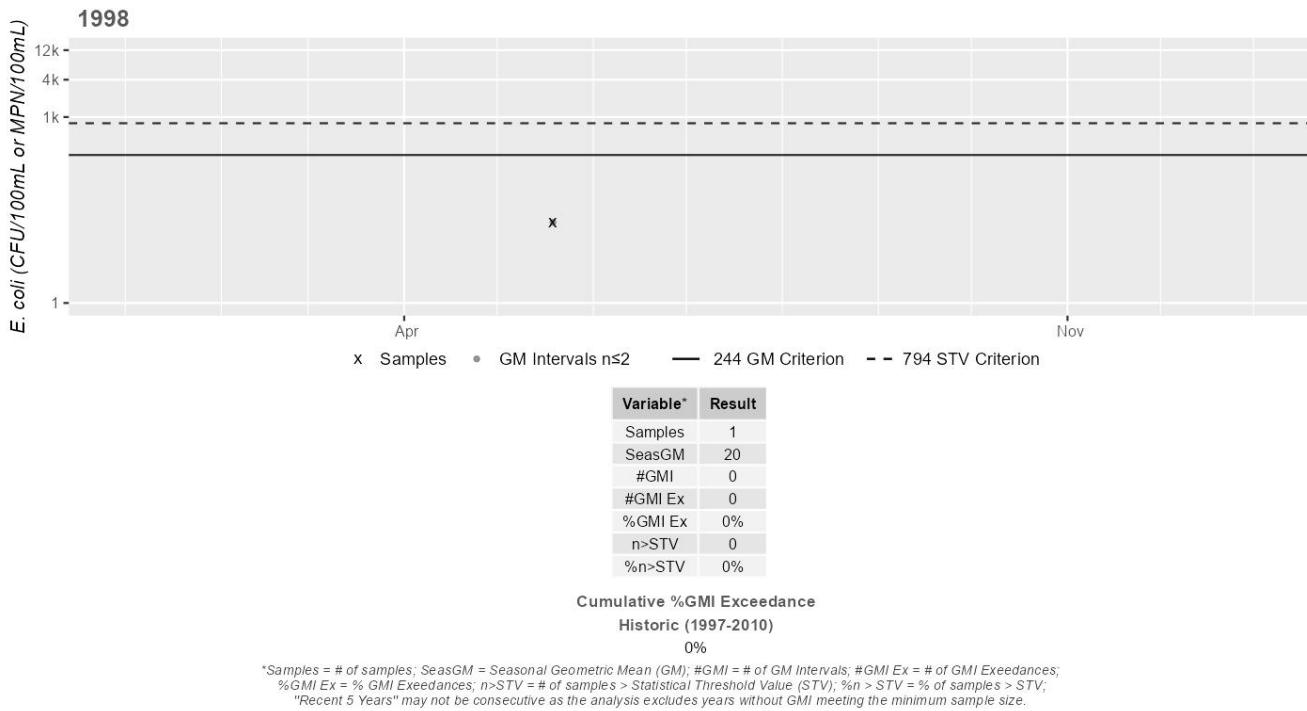
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W0468	MassDEP	<i>E. coli</i>	05/19/98	05/19/98	1	20	20	19
W2267	MassDEP	<i>E. coli</i>	05/03/12	09/13/12	6	6	33	14

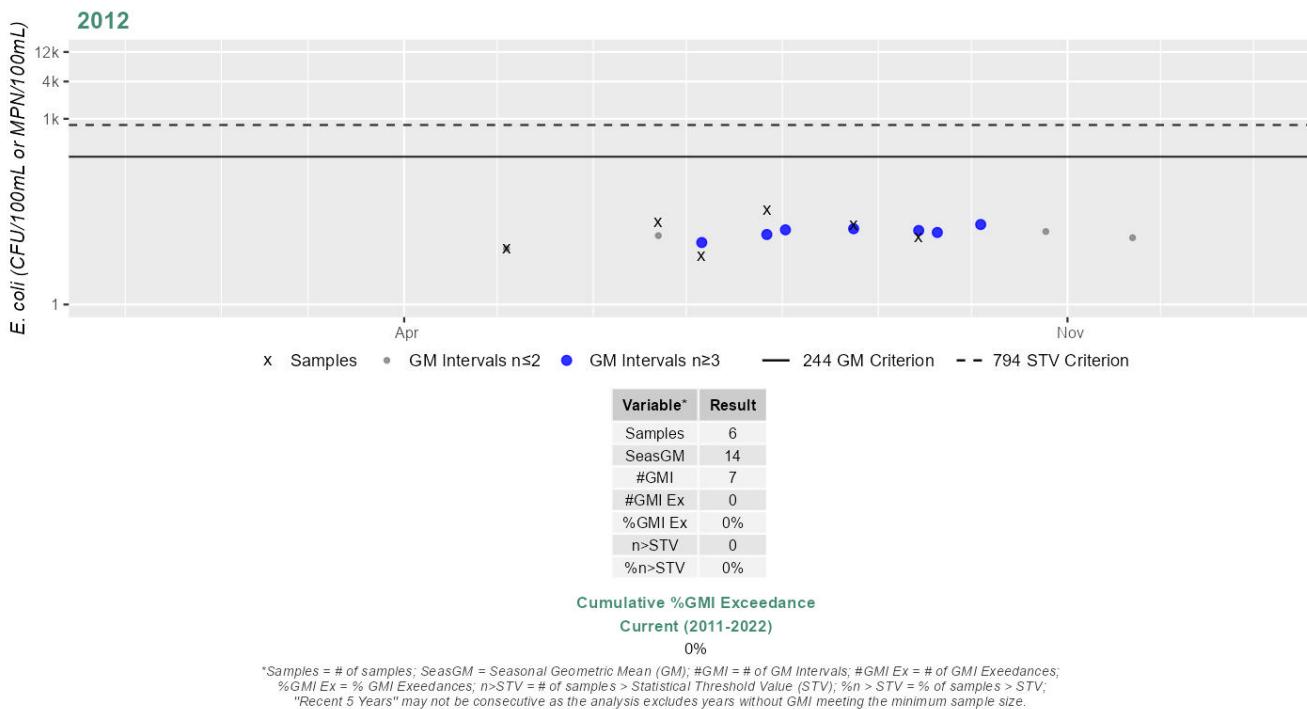
### Station MASSDEP\_W0468 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Station MASSDEP\_W2267 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



# Unnamed Tributary (MA21-24)

<b>Location:</b>	Headwaters, outlet Mill Pond, Egremont to mouth at confluence with Hubbard Brook, Egremont.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.5 MILES
<b>Classification/Qualifier:</b>	B

## Unnamed Tributary (MA21-24)

Watershed Area: 11.99 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area* (square miles)	11.76	6.88	2.78	1.52
Agriculture	8.6%	13%	4.1%	5.9%
Developed	7%	10.4%	7.8%	12.1%
Natural	76.5%	64.8%	72.5%	57.3%
Wetland	8%	11.8%	15.5%	24.7%
Impervious	2.4%	3.3%	2.8%	3.9%

\*Land cover analysis only includes watershed area within Massachusetts.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Unnamed Tributary (MA21-24) is Not Assessed.

## Aesthetic

2024/26 Use Attainment		Alert
Not Assessed		NO

2024/26 Use Attainment Summary	
No data are available, so the Aesthetics Use for Unnamed Tributary (MA21-24) is Not Assessed.	

## Primary Contact Recreation

2024/26 Use Attainment		Alert
Fully Supporting		NO

2024/26 Use Attainment Summary	
The Primary Contact Recreation Use for Unnamed Tributary (MA21-24) is assessed as Fully Supporting. HVA staff/volunteers collected <i>E. coli</i> bacteria samples in Unnamed Tributary (MA21-24) at HVA_HBB200 [Main St., behind Mom's Café, Egremont] from 2021-2022 (n=6-8/yr). <i>E. coli</i> data from HVA_HBB200 meet 2024 CALM guidance.	

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_HBB200	Housatonic Valley Association	Water Quality	Karner Brook; Hubbard Brook	Main St., behind Mom's Café, Egremont	42.160430	-73.418110

## Bacteria Data

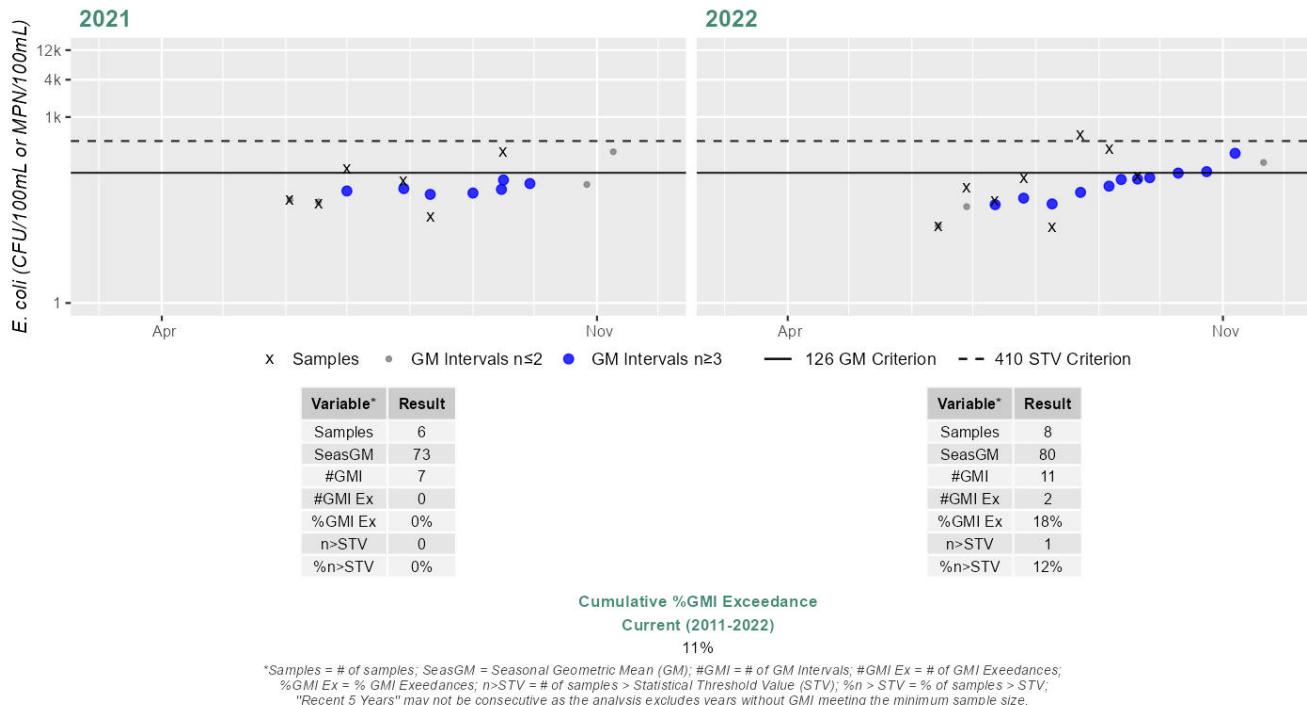
Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_HBB200	Housatonic Valley Association	<i>E. coli</i>	06/03/21	09/16/21	6	24	275	73
HVA_HBB200	Housatonic Valley Association	<i>E. coli</i>	06/14/22	09/20/22	8	16	517	80

### Station HVA\_HBB200 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Unnamed Tributary (MA21-24) is assessed as Fully Supporting. HVA staff/volunteers collected <i>E. coli</i> bacteria samples in Unnamed Tributary (MA21-24) at HVA_HBB200 [Main St., behind Mom's Café, Egremont] from 2021-2022 (n=6-8/yr). <i>E. coli</i> data from HVA_HBB200 meet 2024 CALM guidance.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_HBB200	Housatonic Valley Association	Water Quality	Karner Brook; Hubbard Brook	Main St., behind Mom's Caf�, Egremont	42.160430	-73.418110

## Bacteria Data

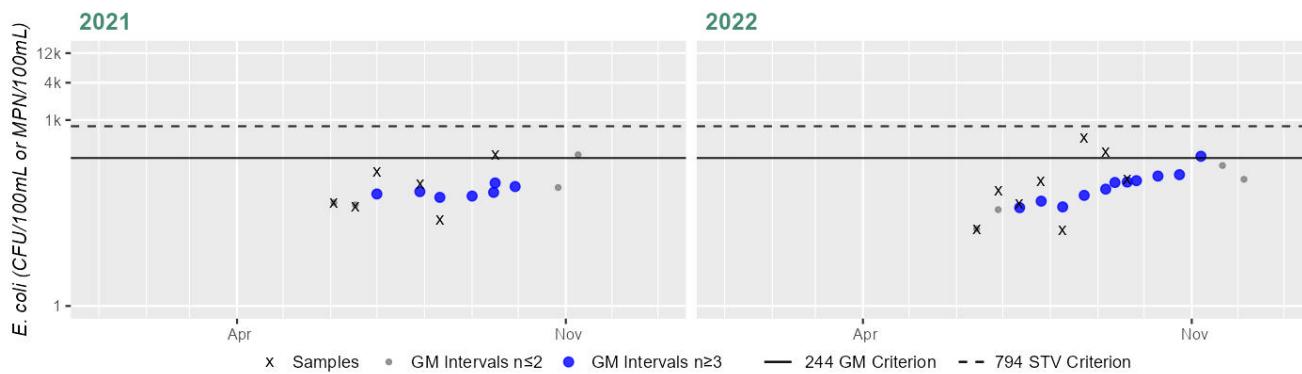
### Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_HBB200	Housatonic Valley Association	E. coli	06/03/21	09/16/21	6	24	275	73
HVA_HBB200	Housatonic Valley Association	E. coli	06/14/22	09/20/22	8	16	517	80

#### Station HVA\_HBB200 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	6
SeasGM	73
#GMI	7
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Variable*	Result
Samples	8
SeasGM	80
#GMI	11
#GMI Ex	1
%GMI Ex	9%
n>STV	0
%n>STV	0%

#### Cumulative %GMI Exceedance Current (2011-2022)

5%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Unnamed Tributary (MA21-31)

<b>Location:</b>	Unnamed tributary to the Housatonic River, locally known as "Laurel Brook", headwaters, outlet Laurel Lake, Lee to mouth at confluence with the Housatonic River, Lee.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	0.8 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Unnamed Tributary (MA21-31) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4c	4c	(Zebra Mussel, Dreissena Polymorph*)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Zebra Mussel, Dreissena Polymorph*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

## Unnamed Tributary (MA21-46)

<b>Location:</b>	Unnamed tributary to Housatonic River, headwaters (perennial portion) northwest of the Butternut Ski Area (south of Route 23), Great Barrington to mouth at confluence with Housatonic River, Great Barrington.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.6 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Unnamed Tributary (MA21-46) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Unnamed Tributary (MA21-54)

<b>Location:</b>	Unnamed tributary to Housatonic River, from outlet of Felton Lake (north of Felton Pond Road), Washington to mouth at confluence with Housatonic River, Lee.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Unnamed Tributary (MA21-54) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Unnamed Tributary (MA21-62)

<b>Location:</b>	Unnamed tributary to Plunkett Reservoir, headwaters, outlet Belmont Reservoir, Hinsdale to mouth at inlet Plunkett Reservoir, Hinsdale.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	0.9 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Unnamed Tributary (MA21-62) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Unnamed Tributary (MA21-68)

<b>Location:</b>	Unnamed tributary to Town Brook, headwaters, perennial portion north of Brodie Mountain Ski Area, New Ashford to mouth at confluence with Town Brook, Lanesborough.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.6 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Unnamed Tributary (MA21-68) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Upper Goose Pond (MA21110)

<b>Location:</b>	Lee/Tyningham.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	55 ACRES
<b>Classification/Qualifier:</b>	B

No usable data were available for Upper Goose Pond (MA21110) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

## Upper Sackett Reservoir (MA21113)

<b>Location:</b>	Hinsdale.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	19 ACRES
<b>Classification/Qualifier:</b>	A: PWS, ORW

No usable data were available for Upper Sackett Reservoir (MA21113) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

# Wahconah Falls Brook (MA21-11)

<b>Location:</b>	Headwaters, outlet Windsor Reservoir, Windsor to mouth at confluence with East Branch Housatonic River, Dalton.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3.4 MILES
<b>Classification/Qualifier:</b>	B

## Wahconah Falls Brook (MA21-11)

Watershed Area: 21.46 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	21.46	8.00	12.21	4.37
Agriculture	3.8%	4.9%	2.8%	4%
Developed	4.2%	6.1%	3.6%	4.9%
Natural	84%	86.1%	80.6%	86.5%
Wetland	8%	2.9%	13%	4.7%
Impervious	1.7%	2.4%	1.6%	2.1%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	5	Escherichia Coli (E. Coli)	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	--
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	--

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

#### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Wahconah Falls Brook (MA21-11) is Not Assessed.

### Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

#### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Wahconah Falls Brook (MA21-11), so it is Not Assessed.

### Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

#### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Wahconah Falls Brook (MA21-11) is assessed as Not Supporting. An *Escherichia coli* (*E. coli*) impairment is being added due to bacteria data not meeting the threshold at HVA\_WFB01.2 & HVA\_WFB300 and HVA\_WFB 01.0. HVA staff/volunteers collected *E. coli* bacteria samples in Wahconah Falls Brook (MA21-11) from 2017-2021 at 5 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_WFB 05.3 [At Wahconah Falls State Park, 200 yards downstream of falls, Dalton] from Jun-Oct 2017 (n=6), HVA\_WFB 03.4 [Cleveland Rd 25 ft upstream of bridge, Dalton] from Jun-Oct 2017 (n=6), HVA\_WFB200 [upstream of the Rt. 9 Bridge (upstream of WFB01.2), Dalton] from Jun-Sep 2021 (n=6), HVA\_WFB01.2 & HVA\_WFB300 [upstream of the Rt. 9/8A Bridge, Dalton] from 2017 and 2019-2021 (n=6-8/yr), HVA\_WFB 01.0 [End of E Deming St., behind VFW Field, Dalton] from Jun-Oct 2017 (n=6). Analysis of the single year limited frequency *E. coli* dataset from HVA\_WFB 05.3 indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 22 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from HVA\_WFB 03.4 indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 30 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from HVA\_WFB200 indicated 33% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV, and the seasonal GM was 80 CFU/100ml. Analysis of the multi-year limited frequency *E. coli* dataset from HVA\_WFB01.2 & HVA\_WFB300 indicated 2 out of 4 sufficient data yrs had intervals where >20% of the GMs were >126 CFU/100ml (2019 and 2020, 71 & 100%), 1 yr had ≥2 samples exceed the 410 CFU/100ml STV (2020, n=2), and cumulatively across years 53% of intervals had GMs >126 CFU/100ml. Analysis of the single year limited frequency *E. coli* dataset from HVA\_WFB 01.0 indicated 83% of intervals had GMs >126 CFU/100ml, 1 sample exceeded the 410 CFU/100ml STV, and the seasonal GM was 141 CFU/100ml. While *E. coli* data from HVA\_WFB 05.3, HVA\_WFB 03.4, and HVA\_WFB200 meet 2024 CALM guidance, *E. coli* data from HVA\_WFB01.2 & HVA\_WFB300 and HVA\_WFB 01.0 are indicative of an *E. coli* impairment.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_WFB 01.0	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	End of East Deming St., behind VFW Field, Dalton	42.478183	-73.151867
HVA_WFB 03.4	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	Cleveland Rd 25 feet upstream of bridge, Dalton	42.485970	-73.127940
HVA_WFB 05.3	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	At Wahconah Falls State Park, 200 yards downstream of falls, Dalton	42.488330	-73.116100
HVA_WFB01.2	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	Upstream of the Route 9/8A Bridge, Dalton	42.484262	-73.148449
HVA_WFB200	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	Upstream of the Route 9 Bridge (upstream of WFB01.2), Dalton	42.487321	-73.131802
HVA_WFB300	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	Upstream of the Route 9/8A Bridge, Dalton	42.484367	-73.148453

## Bacteria Data

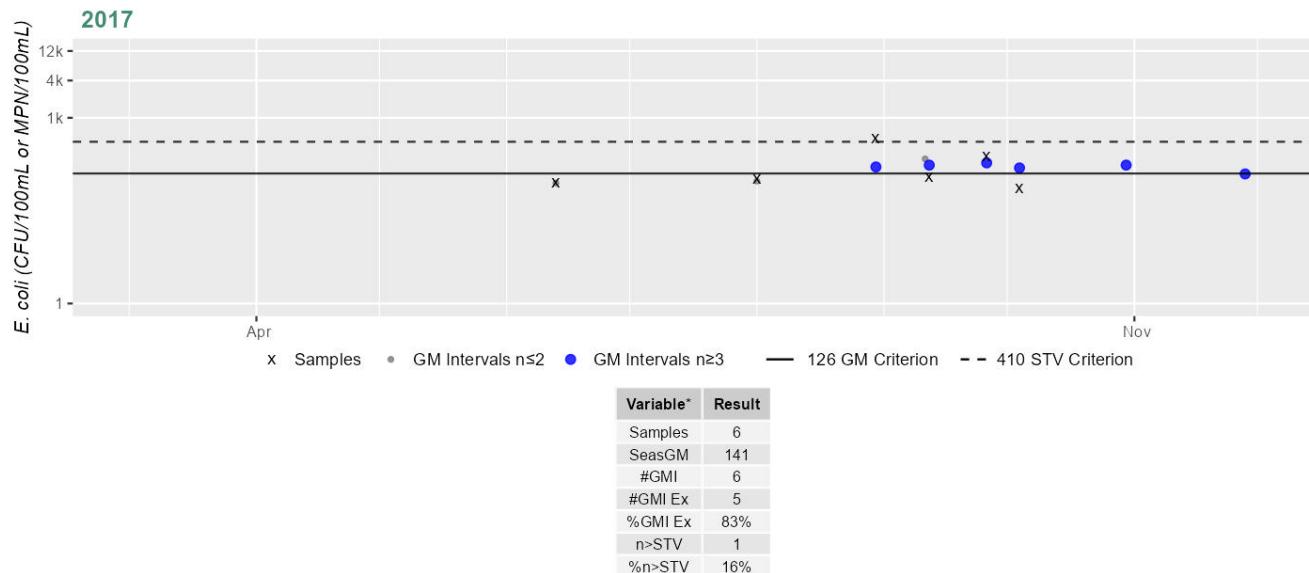
**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)**

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_WFB 01.0	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	73	461	141
HVA_WFB 03.4	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	12	90	30
HVA_WFB 05.3	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	5	172	22
HVA_WFB01.2	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	31	325	98
HVA_WFB01.2	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	59	325	130
HVA_WFB01.2	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	58	816	162
HVA_WFB200	Housatonic Valley Association	E. coli	06/03/21	09/23/21	6	12	387	80
HVA_WFB300	Housatonic Valley Association	E. coli	06/03/21	09/23/21	6	22	224	84

### Station HVA\_WFB 01.0 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season

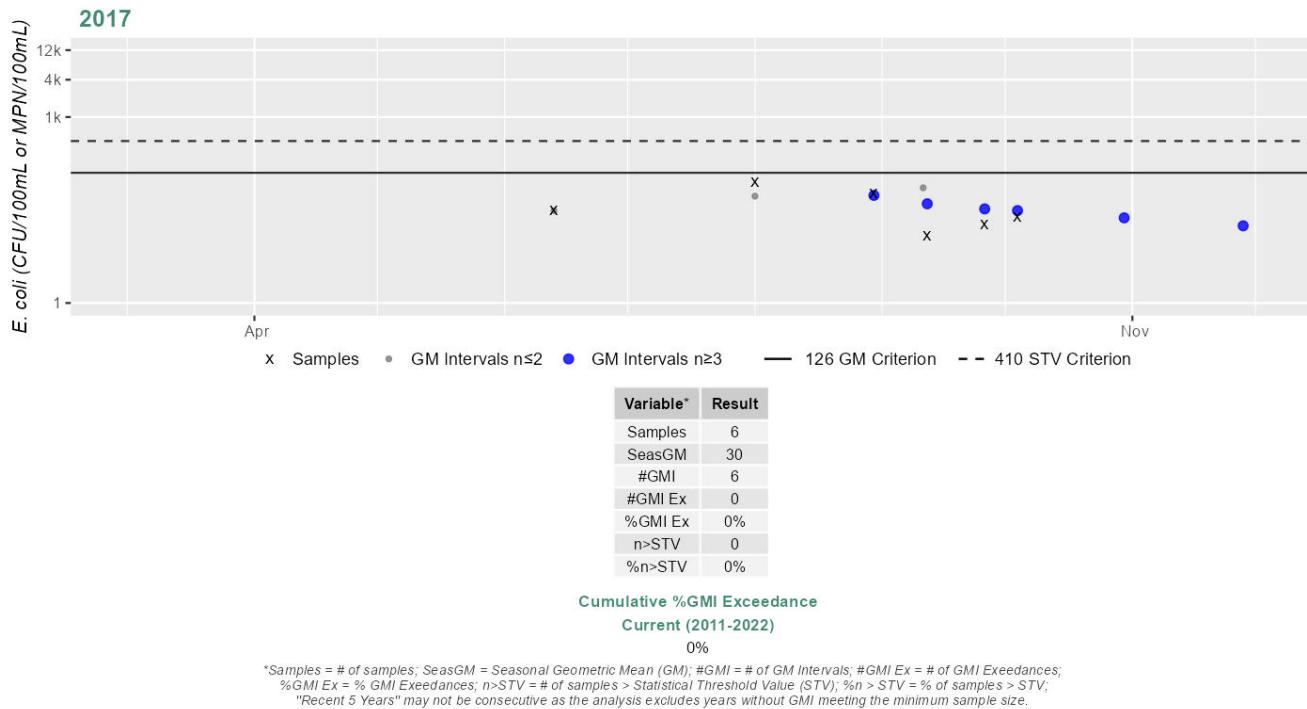


**Cumulative %GMI Exceedance**  
**Current (2011-2022)**  
83%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
%GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n>STV = % of samples > STV;  
"Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

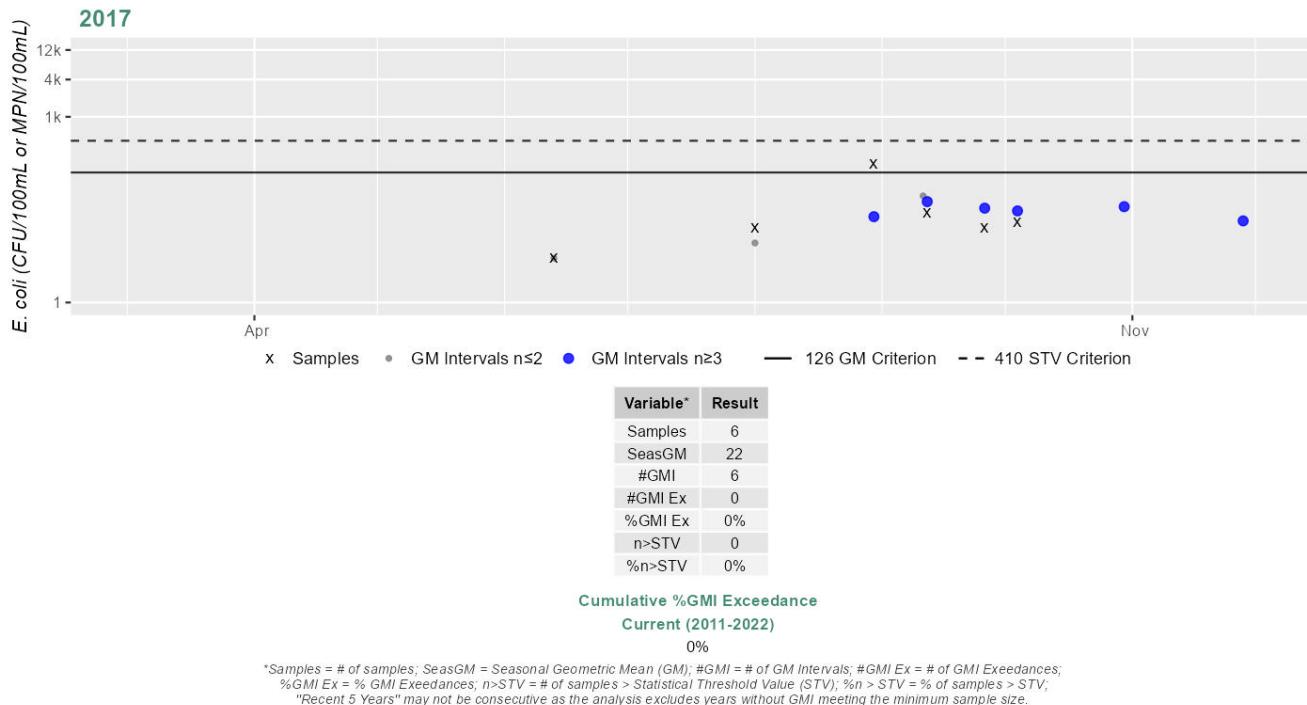
### Station HVA\_WFB 03.4 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



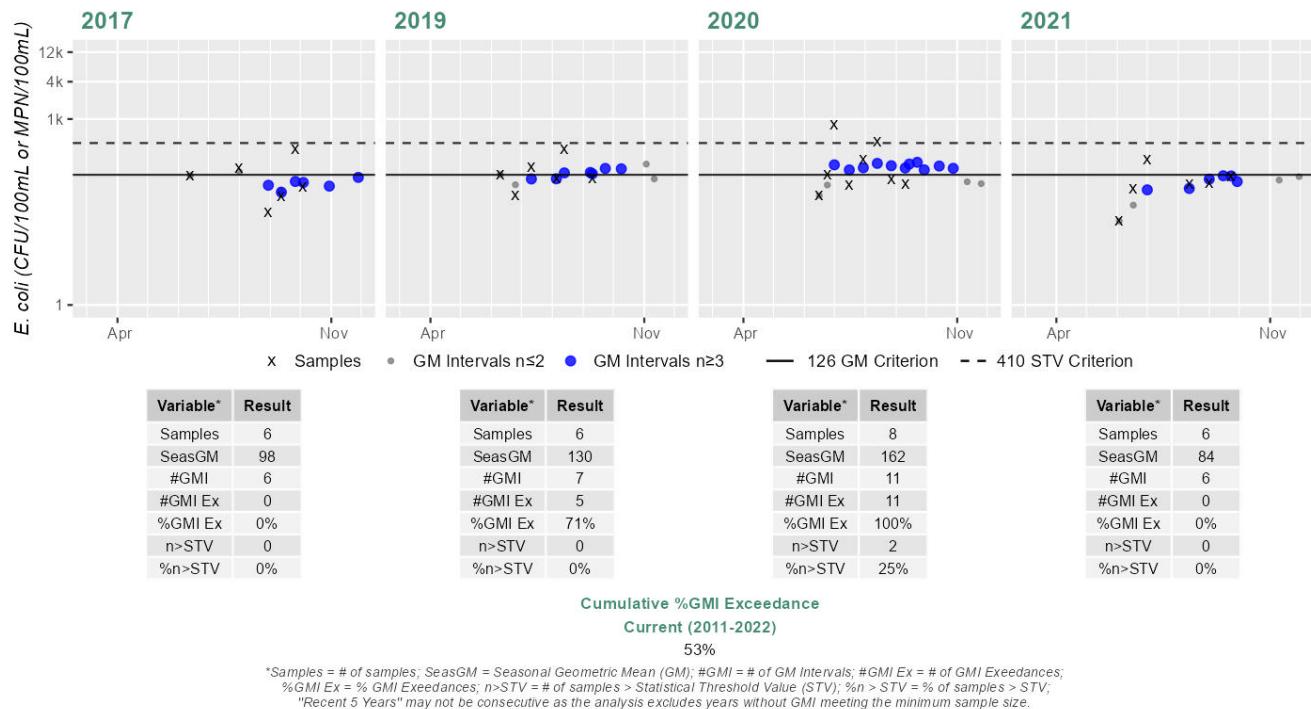
### Station HVA\_WFB 05.3 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



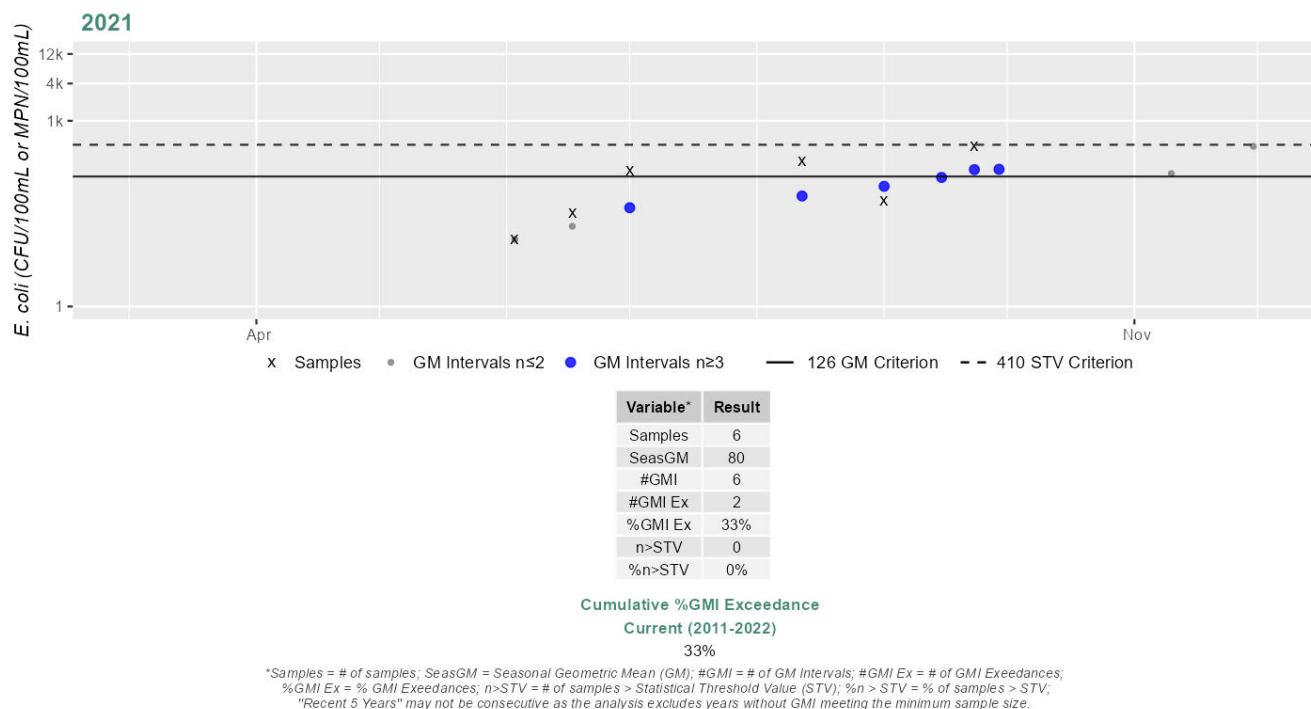
### Station HVA\_WFB01.2 & HVA\_WFB300 & MASSDEP\_W1568 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Station HVA\_WFB200 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Wahconah Falls Brook (MA21-11) continues to be assessed as Fully Supporting. HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in Wahconah Falls Brook (MA21-11) from 2007-2021 at 5 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_WFB 05.3 [At Wahconah Falls State Park, 200 yards downstream of falls, Dalton] from Jun-Oct 2017 (n=6), HVA\_WFB 03.4 [Cleveland Rd 25 ft upstream of bridge, Dalton] from Jun-Oct 2017 (n=6), HVA\_WFB200 [upstream of the Rt. 9 Bridge (upstream of WFB01.2), Dalton] from Jun-Sep 2021 (n=6), HVA\_WFB01.2 & HVA\_WFB300 & W1568 [most downstream crossing of Rt.9/8A (N St), Dalton & upstream of the Rt. 9/8A Bridge, Dalton] from May-Sep 2007 (historic n=5) and 2017 and 2019-2021 (current n=6-8/yr), HVA\_WFB 01.0 [End of E Deming St., behind VFW Field, Dalton] from Jun-Oct 2017 (n=6). *E. coli* data from HVA\_WFB 05.3, HVA\_WFB 03.4, HVA\_WFB200, HVA\_WFB01.2 & HVA\_WFB300 & W1568, and HVA\_WFB 01.0 meet 2024 CALM guidance.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_WFB 01.0	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	End of East Deming St., behind VFW Field, Dalton	42.478183	-73.151867
HVA_WFB 03.4	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	Cleveland Rd 25 feet upstream of bridge, Dalton	42.485970	-73.127940
HVA_WFB 05.3	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	At Wahconah Falls State Park, 200 yards downstream of falls, Dalton	42.488330	-73.116100
HVA_WFB01.2	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	Upstream of the Route 9/8A Bridge, Dalton	42.484262	-73.148449
HVA_WFB200	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	Upstream of the Route 9 Bridge (upstream of WFB01.2), Dalton	42.487321	-73.131802
HVA_WFB300	Housatonic Valley Association	Water Quality	Wahconah Falls Brook	Upstream of the Route 9/8A Bridge, Dalton	42.484367	-73.148453
W1568	MassDEP	Water Quality	Wahconah Falls Brook	[most downstream crossing of Route9/8A (North Street), Dalton]	42.484262	-73.148448

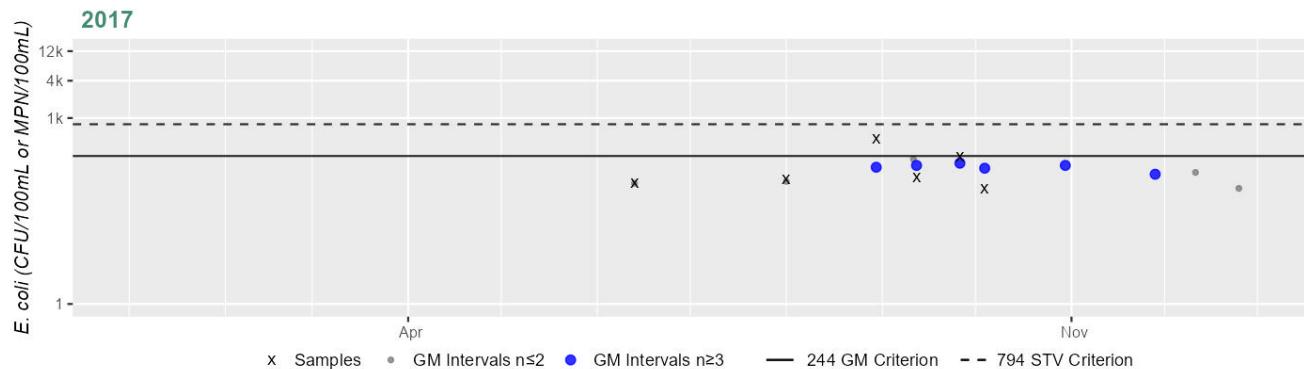
## Bacteria Data

**Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)**  
 [Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_WFB 01.0	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	73	461	141
HVA_WFB 03.4	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	12	90	30
HVA_WFB 05.3	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	5	172	22
HVA_WFB01.2	Housatonic Valley Association	E. coli	06/13/17	10/04/17	6	31	325	98
HVA_WFB01.2	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	59	325	130
HVA_WFB01.2	Housatonic Valley Association	E. coli	06/15/20	09/09/20	8	58	816	162
HVA_WFB200	Housatonic Valley Association	E. coli	06/03/21	09/23/21	6	12	387	80
HVA_WFB300	Housatonic Valley Association	E. coli	06/03/21	09/23/21	6	22	224	84
W1568	MassDEP	E. coli	05/08/07	09/25/07	5	20	480	68

### Station HVA\_WFB 01.0 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	6
SeasGM	141
#GMI	6
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

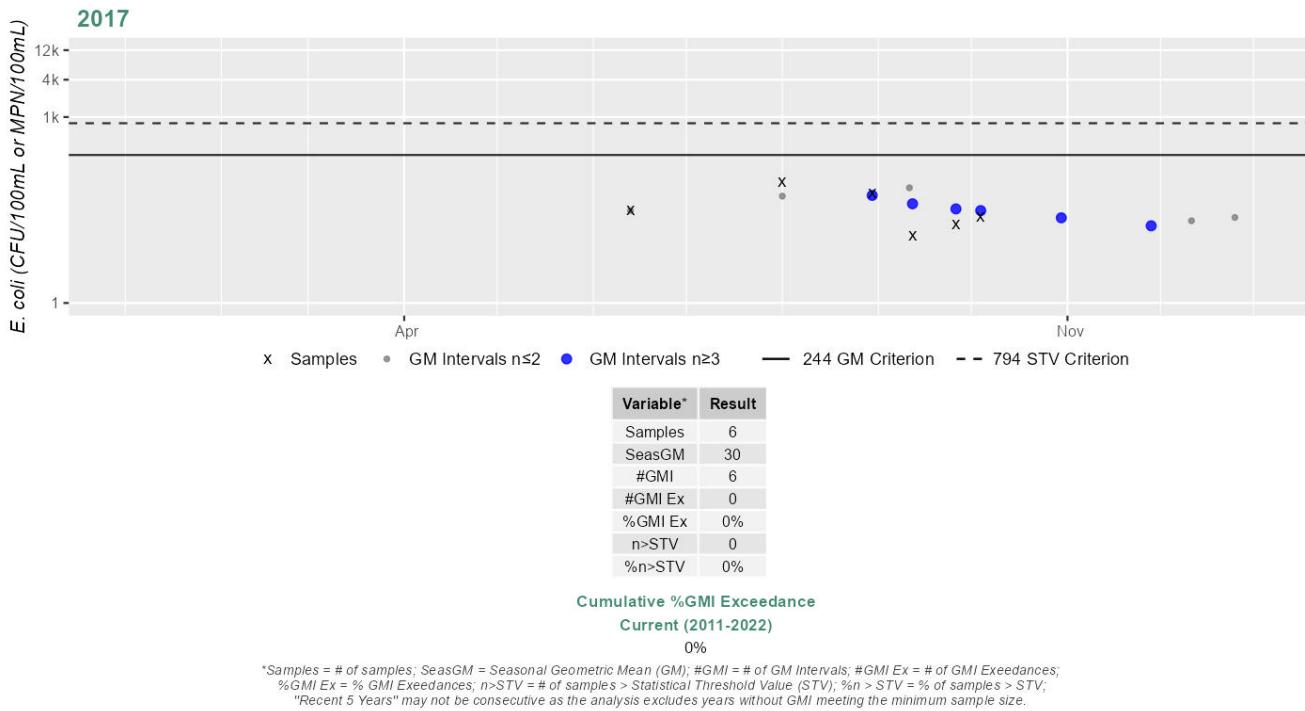
### Cumulative %GMI Exceedance Current (2011-2022)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
 %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV;  
 "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

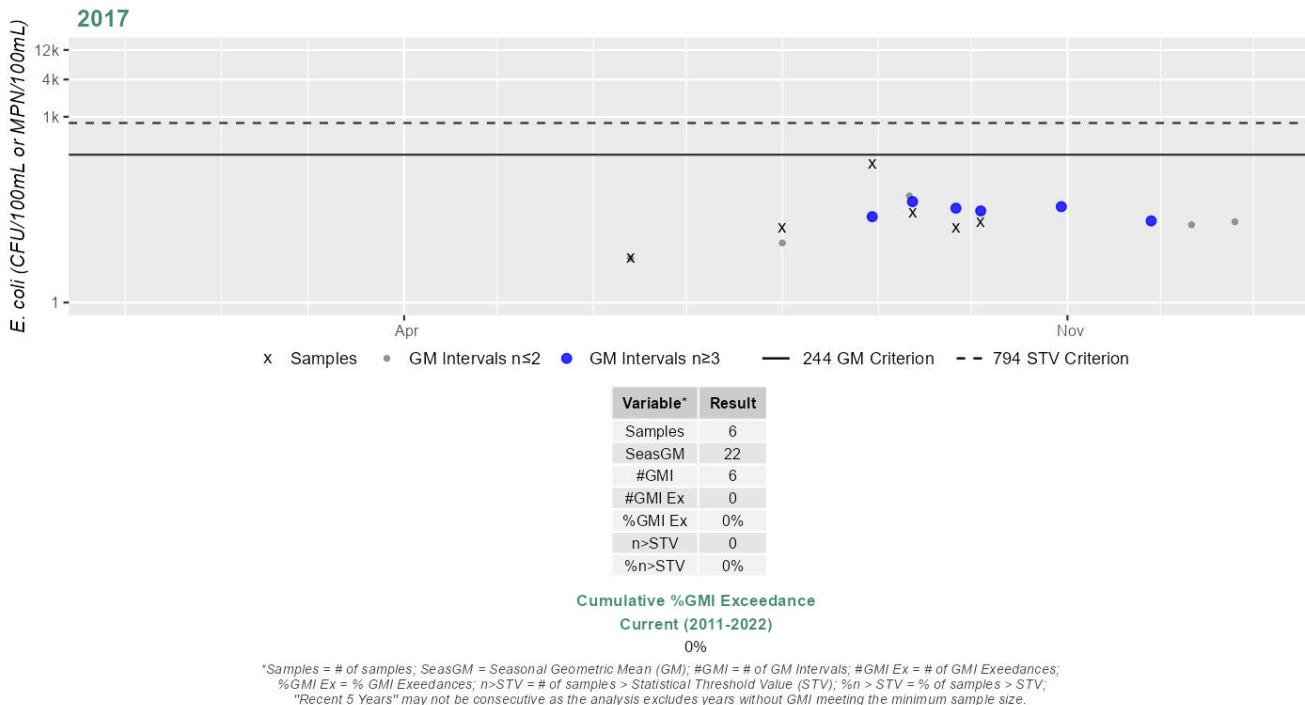
### Station HVA\_WFB 03.4 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



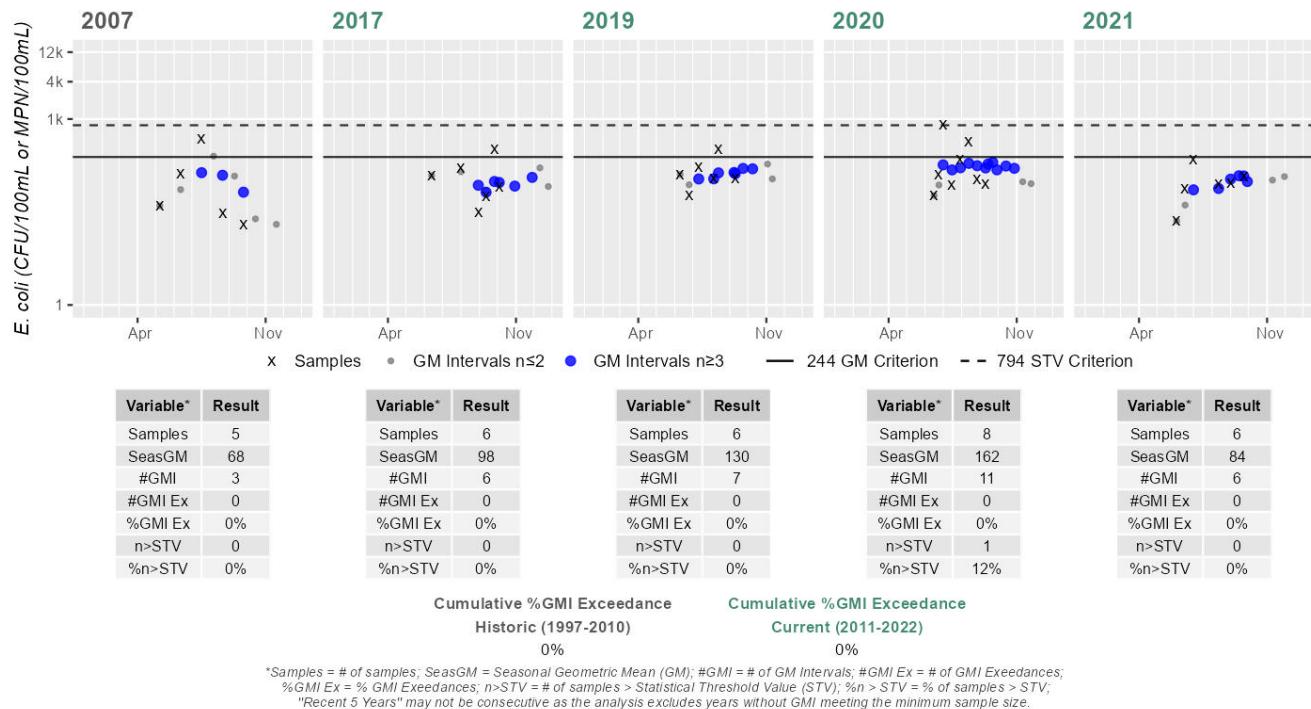
### Station HVA\_WFB 05.3 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



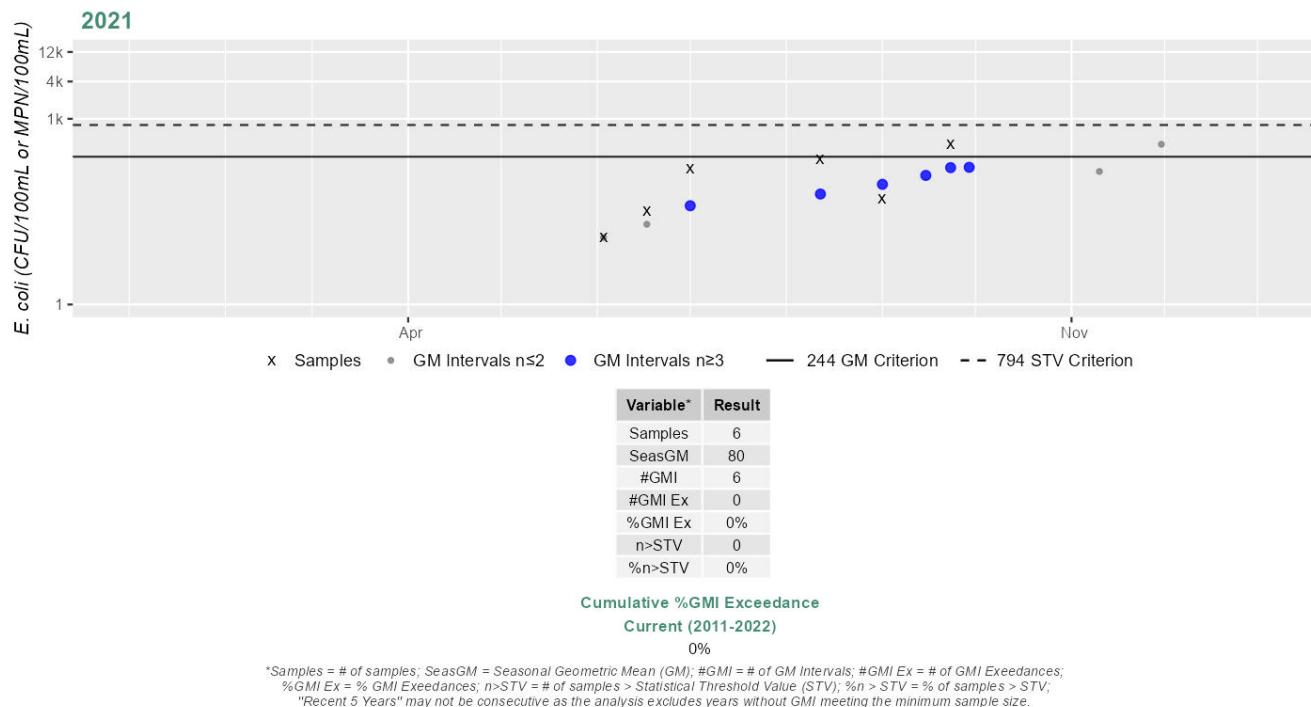
### Station HVA\_WFB01.2 & HVA\_WFB300 & MASSDEP\_W1568 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Station HVA\_WFB200 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

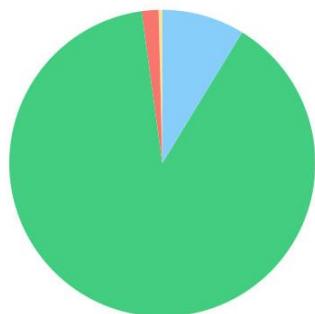


# Washington Mountain Brook (MA21-53)

<b>Location:</b>	From outlet of impoundment at Schoolhouse Lake Dam (NAT ID# MA02588), Washington to mouth at confluence with Housatonic River, Lee.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3.4 MILES
<b>Classification/Qualifier:</b>	B

## Washington Mountain Brook (MA21-53)

Watershed Area: 8.76 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	8.76	3.88	3.54	1.44
Agriculture	0.4%	0.9%	0.1%	0.3%
Developed	1.8%	3.2%	2.1%	4.1%
Natural	89.1%	92.7%	80.3%	90.1%
Wetland	8.7%	3.2%	17.5%	5.6%
Impervious	0.6%	0.9%	0.7%	1.1%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

2024/26 Use Attainment Summary
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Washington Mountain Brook (MA21-53) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No data are available, so the Aesthetics Use for Washington Mountain Brook (MA21-53) is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Washington Mountain Brook (MA21-53) are available, so the Primary Contact Recreation Use is Not Assessed.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

No bacteria or other indicator data for Washington Mountain Brook (MA21-53) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. MassDEP staff collected *E. coli* bacteria samples in Washington Mountain Brook (MA21-53) at W1564 [most downstream crossing of Washington Mountain Rd, Lee] from May-Sep 2007 (n=5). Historic *E. coli* data from W1564 meet 2024 CALM guidance. Since these data were collected prior to the current IR window (2011-2022) the Secondary Contact Recreation Use cannot be positively assessed using bacteria data.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1564	MassDEP	Water Quality	Washington Mountain Brook	[most downstream crossing of Washington Mountain Road, Lee]	42.328361	-73.240793

## Bacteria Data

### Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)

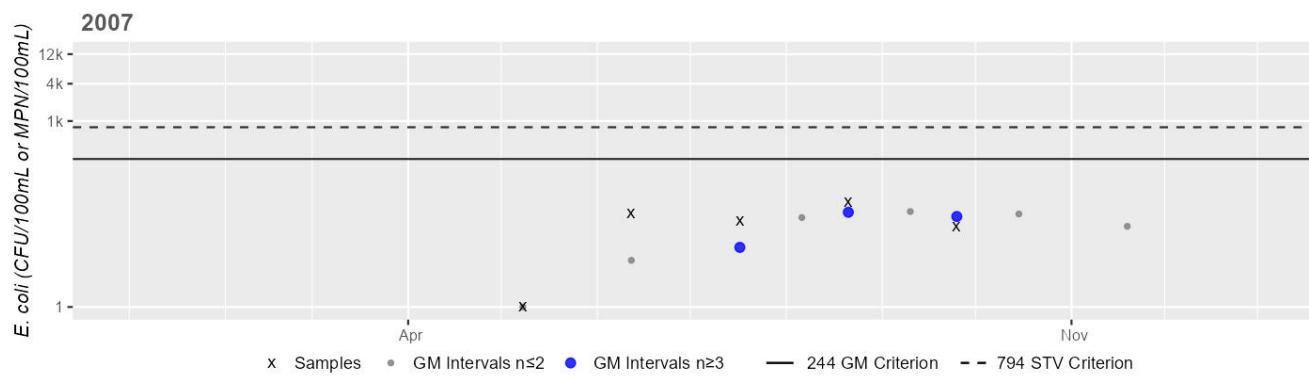
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W1564	MassDEP	E. coli	05/08/07	09/25/07	5	1	50	15

### Station MASSDEP\_W1564 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	5
SeasGM	15
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

### Cumulative %GMI Exceedance Historic (1997-2010)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
%GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV;  
"Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Welch Brook (MA21-33)

<b>Location:</b>	Headwaters, northeast of Tully Mountain, Hinsdale to mouth at confluence with unnamed tributary to Plunkett Reservoir, Hinsdale.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.7 MILES
<b>Classification/Qualifier:</b>	B: CWF

No usable data were available for Welch Brook (MA21-33) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

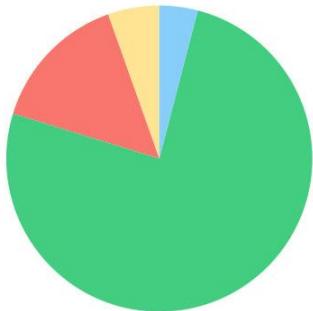
AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## West Branch Housatonic River (MA21-18)

<b>Location:</b>	Headwaters, outlet Pontoosuc Lake, Pittsfield to mouth at confluence with Southwest Branch Housatonic River (forming headwaters Housatonic River), Pittsfield (formerly part of 1998 segment: West Branch Housatonic River MA21-03).
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	4.1 MILES
<b>Classification/Qualifier:</b>	B: CWF, HQW

### West Branch Housatonic River (MA21-18)

Watershed Area: 36.85 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	36.85	6.41	11.88	2.48
Agriculture	5.4%	0.7%	4.6%	0.2%
Developed	14.8%	42.5%	12%	24.1%
Natural	75.7%	52.1%	76.6%	68.4%
Wetland	4%	4.6%	6.9%	7.2%
Impervious	6%	21.4%	5.1%	12.2%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Debris*)	--	Unchanged
5	5	(Habitat Assessment*)	--	Unchanged
5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04	Changed
5	5	Fecal Coliform	R1_MA_2024_04	Changed
5	5	Lack of a Coldwater Assemblage	--	Unchanged
5	5	PCBs in Sediment	--	Unchanged
5	5	Temperature	--	Unchanged
5	5	Trash	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Debris*)	Source Unknown (N)	--	--	X	X	X
(Habitat Assessment*)	Municipal (Urbanized High Density Area) (N)	X	--	--	--	--
Escherichia Coli (E. Coli)	Discharges from Municipal Separate Storm Sewer Systems (MS4) (Y)	--	--	--	X	X
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X
Fecal Coliform	Discharges from Municipal Separate Storm Sewer Systems (MS4) (Y)	--	--	--	X	--
Fecal Coliform	Source Unknown (N)	--	--	--	X	--
Lack of a Coldwater Assemblage	Dam or Impoundment (Y)	X	--	--	--	--
PCBs in Sediment	Illegal Dumps or Other Inappropriate Waste Disposal (N)	X	--	--	--	--
Temperature	Dam or Impoundment (Y)	X	--	--	--	--
Trash	Source Unknown (N)	--	--	X	X	X

## Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Escherichia Coli (E. Coli)	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Massachusetts Statewide TMDL for Pathogen-Impaired Waterbodies (Report CN 515.1, approved 2/13/2024, ATTAINS Action ID: R1_MA_2024_04)
Fecal Coliform	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Massachusetts Statewide TMDL for Pathogen-Impaired Waterbodies (Report CN 515.1, approved 2/13/2024, ATTAINS Action ID: R1_MA_2024_04)

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

#### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for West Branch Housatonic River (MA21-18) is Not Assessed.

### Aesthetic

2024/26 Use Attainment	Alert
Not Supporting	NO

#### 2024/26 Use Attainment Summary

No new data are available to evaluate the Aesthetics Use for this West Branch Housatonic River AU (MA21-18). The Aesthetics Use continues to be assessed as Not Supporting with the Debris and Trash impairments being carried forward.

### Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

#### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the West Branch Housatonic River (MA21-18) continues to be assessed as Not Supporting. The prior *Escherichia coli* (*E. coli*) impairment is being carried forward based on bacteria data not meeting the threshold at HVA\_WEB 300. The prior Fecal Coliform impairment is being carried forward and the prior Debris and Trash impairments (from the Aesthetics Use) are being carried forward. HVA staff/volunteers collected *E. coli* bacteria samples in the West Branch Housatonic River (MA21-18) from 2019-2022 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_WEB 100 [Just below Pontoosuc Dam, upstream of the Hancock Rd Bridge] from Jun-Aug 2019 (n=5), HVA\_WEB 300 [Just upstream of the Linden St Bridge, Pittsfield] from 2019 and 2021-2022 (n=6-8/yr). While *E. coli* data from HVA\_WEB 100 meet 2024 CALM guidance, *E. coli* data from HVA\_WEB 300 are indicative of an *E. coli* impairment.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_WEB 100	Housatonic Valley Association	Water Quality	West Branch of the Housatonic River	Just below Pontoosuc Dam, upstream of the Hancock Road Bridge	42.484160	-73.246290
HVA_WEB 300	Housatonic Valley Association	Water Quality	West Branch of the Housatonic River	Just upstream of the Linden Street Bridge, Pittsfield	42.456940	-73.260760

### **Bacteria Data**

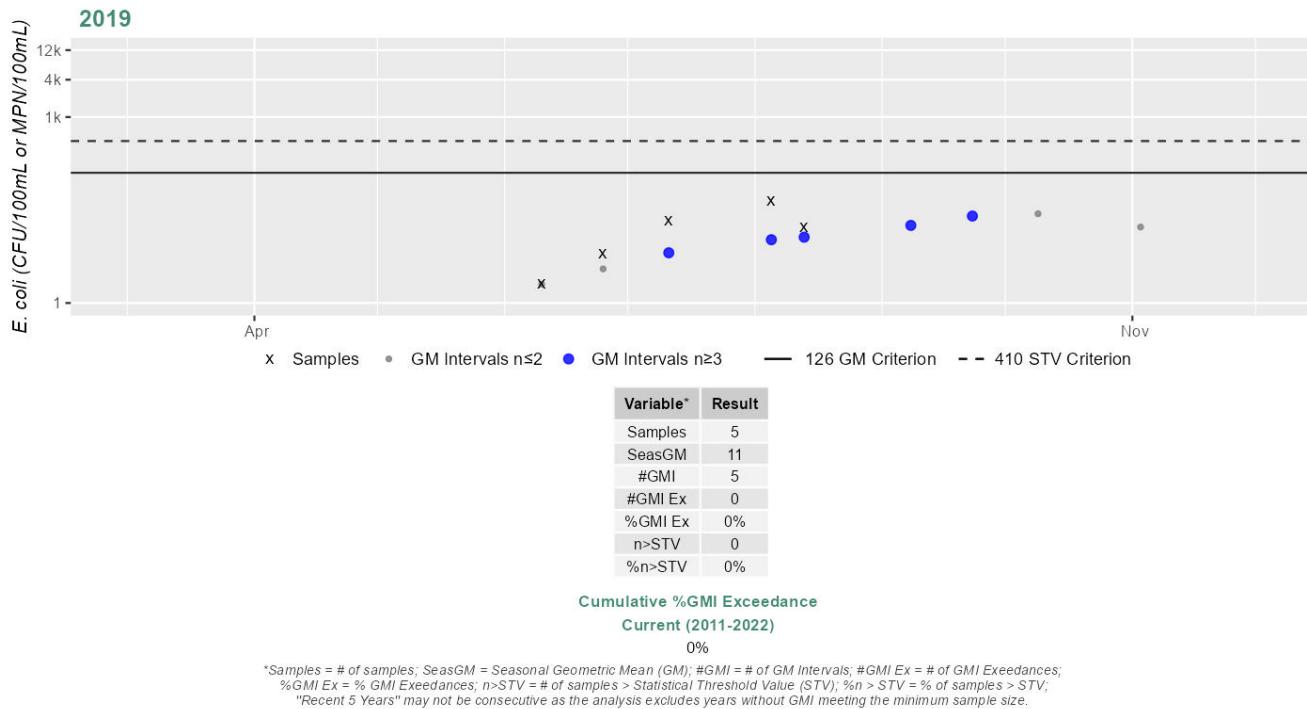
**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)**

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_WEB 100	Housatonic Valley Association	E. coli	06/10/19	08/13/19	5	2	45	11
HVA_WEB 300	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	178	770	409
HVA_WEB 300	Housatonic Valley Association	E. coli	06/03/21	09/01/21	6	79	613	184
HVA_WEB 300	Housatonic Valley Association	E. coli	06/16/22	09/22/22	8	87	2419	319

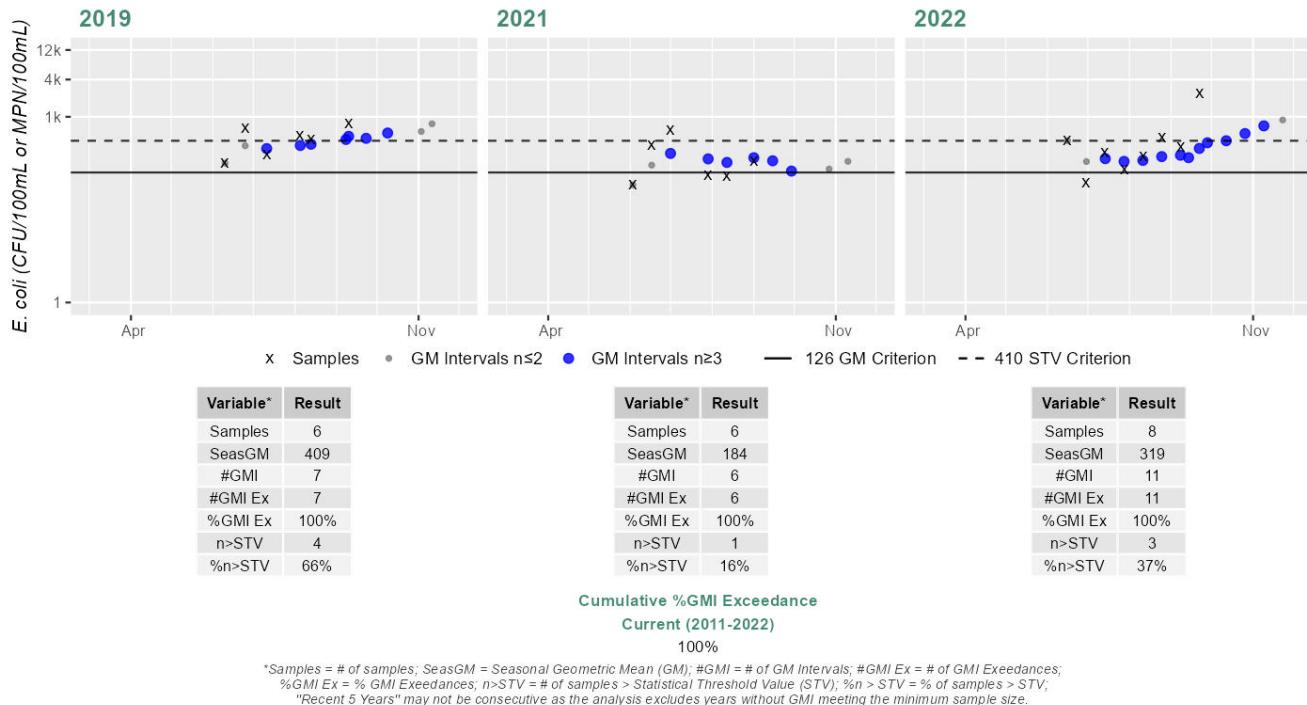
### Station HVA\_WEB 100 - Escherichia coli

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



### Station HVA\_WEB 300 - Escherichia coli

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
<p>The Secondary Contact Recreation Use for the West Branch Housatonic River (MA21-18) continues to be assessed as Not Supporting. The prior Debris and Trash impairments (from the Aesthetics Use) are being carried forward. An <i>Escherichia coli</i> (<i>E. coli</i>) impairment is being added due to bacteria data not meeting the threshold at HVA_WEB 300. HVA and MassDEP staff/volunteers collected <i>E. coli</i> bacteria samples in both the historic (1997-2010) &amp; the current IR window (2011-2022) in the West Branch Housatonic River (MA21-18) from 2007-2022 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA_WEB 100 [Just below Pontoosuc Dam, upstream of the Hancock Rd Bridge] from Jun-Aug 2019 (n=5), HVA_WEB 300 [Just upstream of the Linden St Bridge, Pittsfield] from 2019 and 2021-2022 (n=6-8/yr), W1575 [~630 ft downstream from Rt. 20, Pittsfield] from May-Sep 2007 (n=5). While <i>E. coli</i> data from HVA_WEB 100 meet 2024 CALM guidance, <i>E. coli</i> data from HVA_WEB 300 are indicative of an <i>E. coli</i> impairment.</p>

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_WEB 100	Housatonic Valley Association	Water Quality	West Branch of the Housatonic River	Just below Pontoosuc Dam, upstream of the Hancock Road Bridge	42.484160	-73.246290
HVA_WEB 300	Housatonic Valley Association	Water Quality	West Branch of the Housatonic River	Just upstream of the Linden Street Bridge, Pittsfield	42.456940	-73.260760
W1575	MassDEP	Water Quality	West Branch Housatonic River	[approximately 630 feet downstream from Route 20, Pittsfield]	42.442037	-73.260464

### Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)

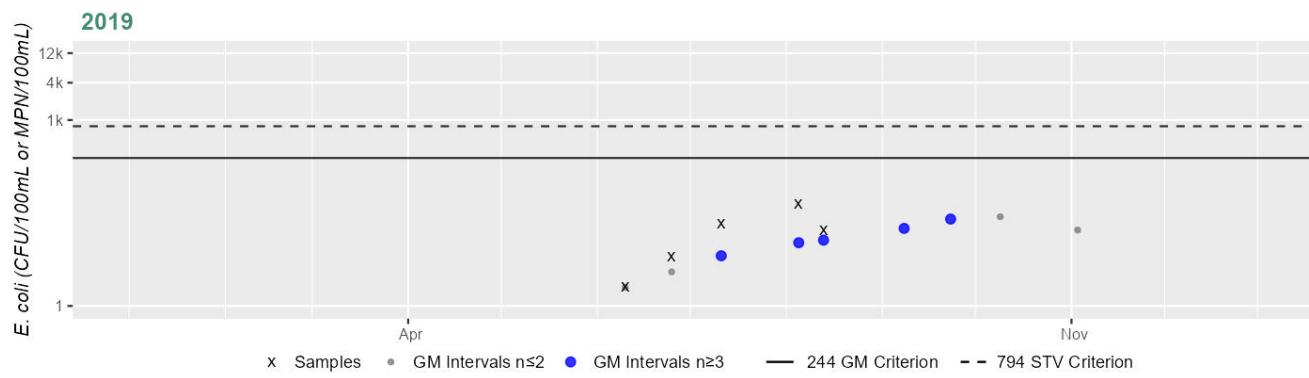
[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_WEB 100	Housatonic Valley Association	<i>E. coli</i>	06/10/19	08/13/19	5	2	45	11

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_WEB 300	Housatonic Valley Association	E. coli	06/10/19	09/10/19	6	178	770	409
HVA_WEB 300	Housatonic Valley Association	E. coli	06/03/21	09/01/21	6	79	613	184
HVA_WEB 300	Housatonic Valley Association	E. coli	06/16/22	09/22/22	8	87	2419	319
W1575	MassDEP	E. coli	05/08/07	09/25/07	5	30	448	167

### Station HVA\_WEB 100 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	5
SeasGM	11
#GMI	5
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

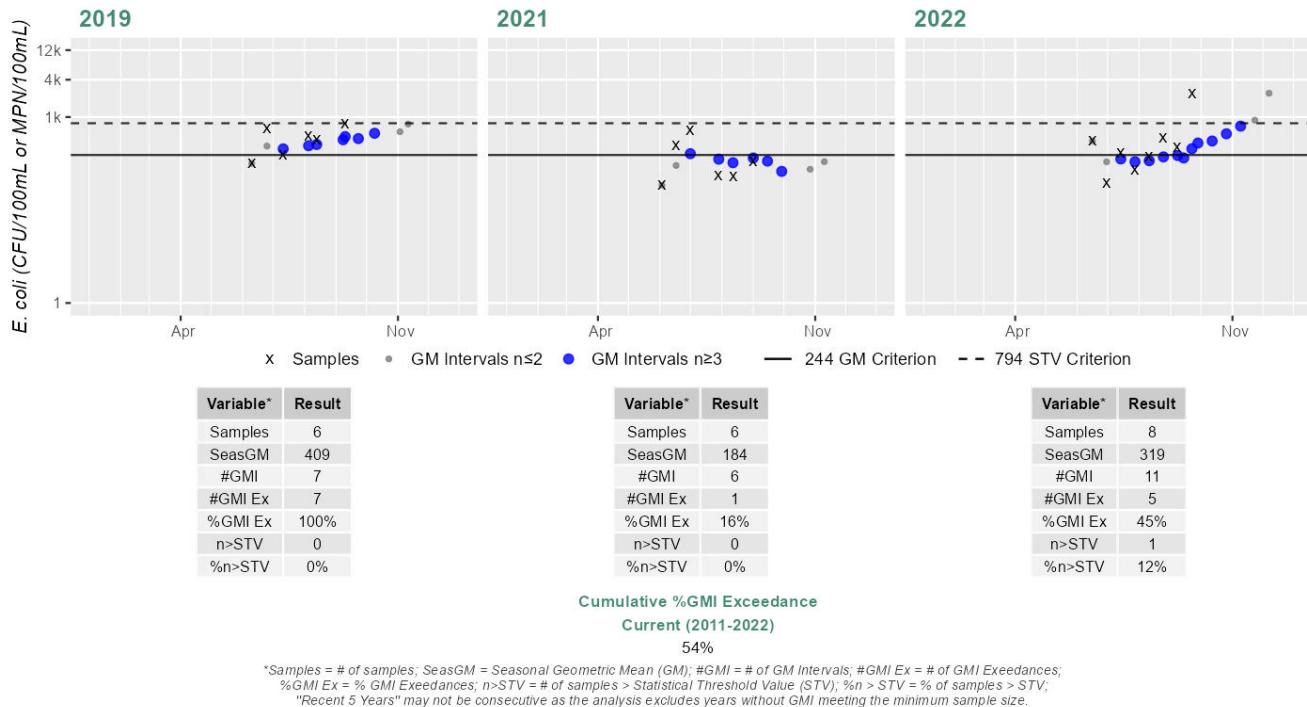
### Cumulative %GMI Exceedance Current (2011-2022)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

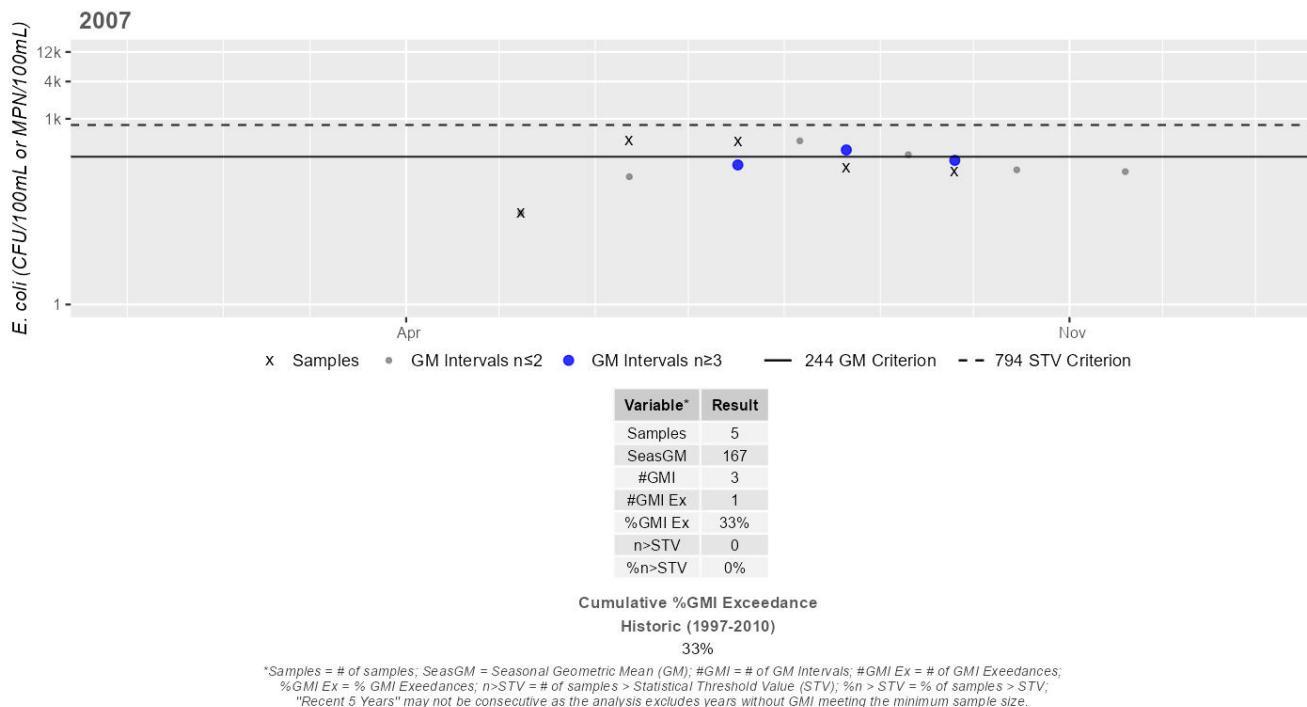
### Station HVA\_WEB 300 - Escherichia coli

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Station MASSDEP\_W1575 - Escherichia coli

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season

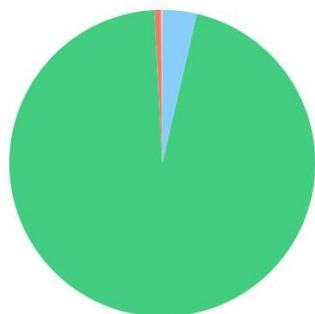


## West Brook (MA21-73)

<b>Location:</b>	Headwaters in Beartown State Forest, Great Barrington to mouth at confluence with East Brook (creating headwaters of Beartown Brook), Lee.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	3.3 MILES
<b>Classification/Qualifier:</b>	B

### West Brook (MA21-73)

Watershed Area: 5.08 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	5.08	3.76	0.97	0.76
Agriculture	0.1%	0.2%	0.6%	0.7%
Developed	0.7%	0.7%	2.3%	2.4%
Natural	95.6%	96%	87.9%	90.2%
Wetland	3.6%	3.2%	9.2%	6.7%
Impervious	0.5%	0.5%	1.7%	1.7%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No
2024/26 Use Attainment Summary	
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for West Brook (MA21-73) is Not Assessed.	

## Aesthetic

2024/26 Use Attainment		Alert
Fully Supporting		NO

### 2024/26 Use Attainment Summary

The Aesthetics Use for West Brook (MA21-73) is being assessed as Fully Supporting. MassDEP staff recorded aesthetics observations at one station, a third of the way down this West Brook AU ~1300 feet downstream of the Beartown Road crossing nearest the intersection with Beartown Mountain Road, Great Barrington (W2252) in 2012 (n=6), 2014 (n=4), 2015 (n=4) and 2017 (n=5). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded by MassDEP field sampling crews during the surveys.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2252	MassDEP	Water Quality	West Brook	[approximately 1300 feet downstream of the Beartown Road crossing nearest the intersection with Beartown Mountain Road, Great Barrington]	42.247763	-73.280346

## Aesthetic Observations

### Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 4)

[Note: scums of natural origins (e.g. pollen blankets or natural foams) are excluded.]

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2252	2012	6	Aesthetic observations were made by MassDEP field sampling crews at Station W2252 on West Brook (MA21-73) during 6 site visits between May 2012 and Sep 2012. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W2252	2014	4	Aesthetic observations were made by MassDEP field sampling crews at Station W2252 on West Brook (MA21-73) during 4 site visits between May 2014 and Aug 2014. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W2252	2015	4	Aesthetic observations were made by MassDEP field sampling crews at Station W2252 on West Brook (MA21-73) during 4 site visits between May 2015 and Aug 2015. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W2252	2017	5	Aesthetic observations were made by MassDEP field sampling crews at Station W2252 on West Brook (MA21-73) during 5 site visits between May 2017 and Sep 2017. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

**Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 6) (MassDEP Undated 4)**

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2252	2012	6	6	0
W2252	2014	4	4	0
W2252	2015	4	4	0
W2252	2017	5	5	0

**MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 6)**

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2252	West Brook	2012	Aquatic Plant Density, Overall	None	6	6
W2252	West Brook	2012	Color	Light Yellow/Tan	1	6
W2252	West Brook	2012	Color	None	5	6
W2252	West Brook	2012	Objectionable Deposits	No	6	6
W2252	West Brook	2012	Odor	None	6	6
W2252	West Brook	2012	Periphyton Density, Filamentous	None	6	6
W2252	West Brook	2012	Periphyton Density, Film	Moderate	1	6
W2252	West Brook	2012	Periphyton Density, Film	None	4	6
W2252	West Brook	2012	Periphyton Density, Film	Sparse	1	6
W2252	West Brook	2012	Scum	No	5	6
W2252	West Brook	2012	Scum	Yes	1	6
W2252	West Brook	2012	Turbidity	None	6	6
W2252	West Brook	2014	Aesthetics Impaired?	No	4	4
W2252	West Brook	2014	Aquatic Plant Density, Overall	None	3	4
W2252	West Brook	2014	Aquatic Plant Density, Overall	Sparse	1	4
W2252	West Brook	2014	Color	Light Yellow/Tan	4	4
W2252	West Brook	2014	Objectionable Deposits	No	4	4
W2252	West Brook	2014	Odor	None	4	4
W2252	West Brook	2014	Periphyton Density, Filamentous	None	3	4
W2252	West Brook	2014	Periphyton Density, Filamentous	NR	1	4
W2252	West Brook	2014	Periphyton Density, Film	None	2	4
W2252	West Brook	2014	Periphyton Density, Film	Sparse	2	4
W2252	West Brook	2014	Scum	No	2	4
W2252	West Brook	2014	Scum	Yes	2	4
W2252	West Brook	2014	Turbidity	None	4	4
W2252	West Brook	2015	Aesthetics Impaired?	No	4	4
W2252	West Brook	2015	Aquatic Plant Density, Overall	None	4	4

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2252	West Brook	2015	Color	Light Yellow/Tan	3	4
W2252	West Brook	2015	Color	None	1	4
W2252	West Brook	2015	Objectionable Deposits	No	4	4
W2252	West Brook	2015	Odor	None	4	4
W2252	West Brook	2015	Periphyton Density, Filamentous	None	4	4
W2252	West Brook	2015	Periphyton Density, Film	None	3	4
W2252	West Brook	2015	Periphyton Density, Film	Sparse	1	4
W2252	West Brook	2015	Scum	No	4	4
W2252	West Brook	2015	Turbidity	None	4	4
W2252	West Brook	2017	Aesthetics Impaired?	No	5	5
W2252	West Brook	2017	Aquatic Plant Density, Overall	None	5	5
W2252	West Brook	2017	Color	Light Yellow/Tan	2	5
W2252	West Brook	2017	Color	None	3	5
W2252	West Brook	2017	Objectionable Deposits	No	5	5
W2252	West Brook	2017	Odor	None	5	5
W2252	West Brook	2017	Periphyton Density, Filamentous	None	5	5
W2252	West Brook	2017	Periphyton Density, Film	None	5	5
W2252	West Brook	2017	Scum	No	5	5
W2252	West Brook	2017	Turbidity	None	4	5
W2252	West Brook	2017	Turbidity	Slightly Turbid	1	5

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for West Brook (MA21-73) is assessed as Fully Supporting. MassDEP staff collected <i>E. coli</i> bacteria samples in West Brook (MA21-73) at W2252 [~1300 ft downstream of the Beartown Rd crossing nearest the intersection with Beartown Mountain Rd, Great Barrington] from May-Sep 2012 (n=6). <i>E. coli</i> data from W2252 meet 2024 CALM guidance.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2252	MassDEP	Water Quality	West Brook	[approximately 1300 feet downstream of the Beartown Road crossing nearest the intersection with Beartown Mountain Road, Great Barrington]	42.247763	-73.280346

## Bacteria Data

### Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)

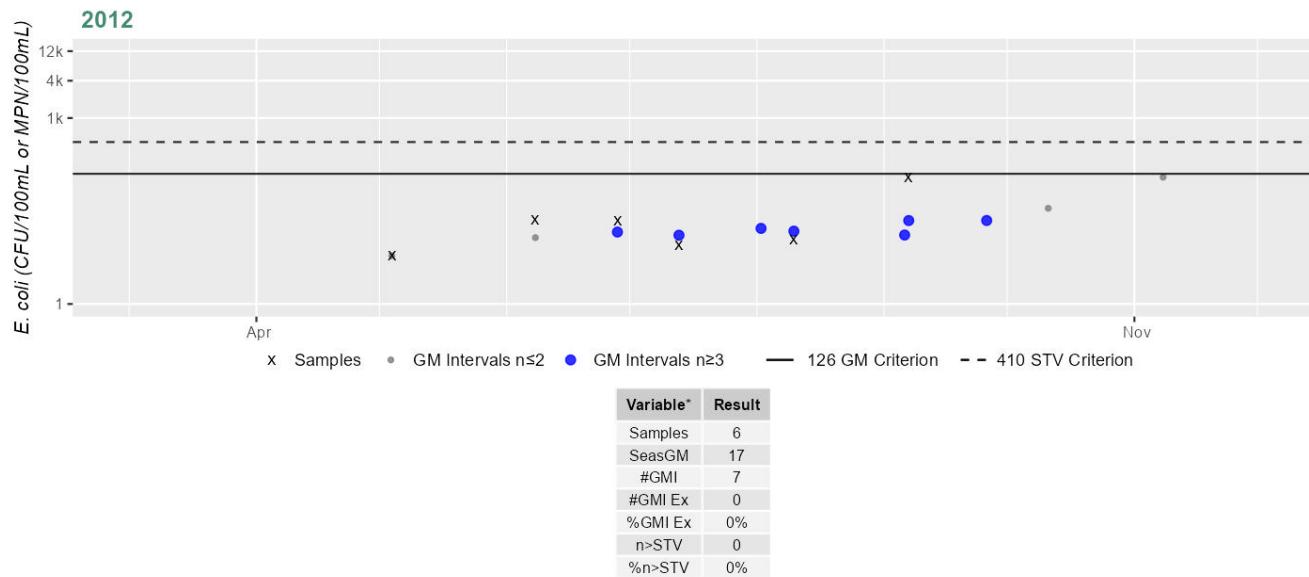
(MassDEP Undated 6) (MassDEP Undated 4)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W2252	MassDEP	E. coli	05/03/12	09/06/12	6	6	111	17

#### Station MASSDEP\_W2252 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



**Cumulative %GMI Exceedance**  
Current (2011-2022)  
0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;

%GMI Ex = % GMI Exceedances;  $n > STV$  = # of samples > Statistical Threshold Value (STV); % $n > STV$  = % of samples > STV;

"Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO
<b>2024/26 Use Attainment Summary</b>	

The Secondary Contact Recreation Use for West Brook (MA21-73) is assessed as Fully Supporting. MassDEP staff collected *E. coli* bacteria samples in West Brook (MA21-73) at W2252 [~1300 ft downstream of the Beartown Rd crossing nearest the intersection with Beartown Mountain Rd, Great Barrington] from May-Sep 2012 (n=6). *E. coli* data from W2252 meet 2024 CALM guidance.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2252	MassDEP	Water Quality	West Brook	[approximately 1300 feet downstream of the Beartown Road crossing nearest the intersection with Beartown Mountain Road, Great Barrington]	42.247763	-73.280346

## Bacteria Data

### Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)

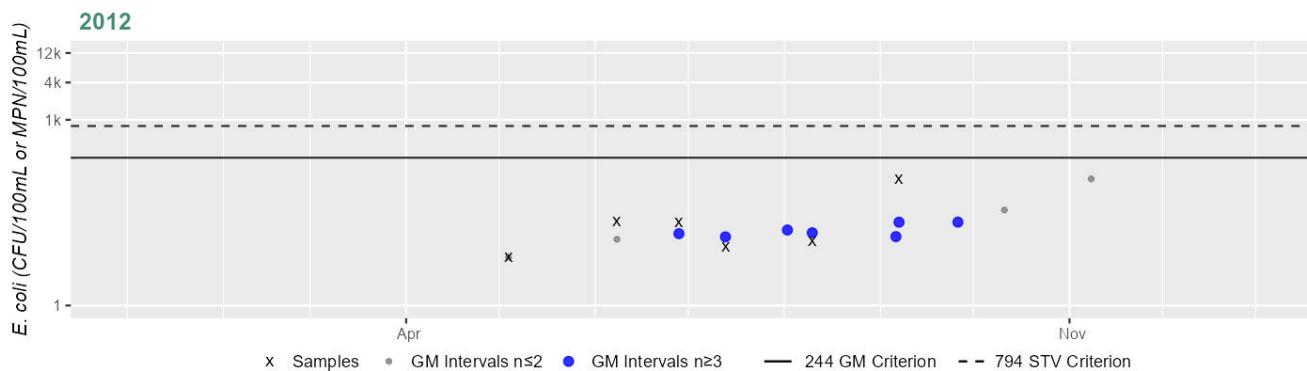
(MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W2252	MassDEP	E. coli	05/03/12	09/06/12	6	6	111	17

### Station MASSDEP\_W2252 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	6
SeasGM	17
#GMI	7
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

### Cumulative %GMI Exceedance

Current (2011-2022)

0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances;  
 %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV;  
 "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

## Weston Brook (MA21-61)

<b>Location:</b>	Headwaters, west of Route 9, Windsor to mouth at confluence with Wahconah Falls Brook, Dalton.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	1.8 MILES
<b>Classification/Qualifier:</b>	B: CWF

No usable data were available for Weston Brook (MA21-61) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Willard Brook (MA21-30)

<b>Location:</b>	Headwaters north of Salisbury Road, Sheffield to mouth at confluence with Hubbard Brook, Sheffield.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	4 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Willard Brook (MA21-30) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
4c	4c	(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Eurasian Water Milfoil, <i>Myriophyllum Spicatum</i> *)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

# Williams River (MA21-06)

<b>Location:</b>	Headwaters, outlet Shaker Mill Pond, West Stockbridge to mouth at confluence with Housatonic River, Great Barrington.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	11 MILES
<b>Classification/Qualifier:</b>	B: CWF, HQW

## Williams River (MA21-06)

Watershed Area: 43.95 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area* (square miles)	32.80	3.65	8.66	1.03
Agriculture	8.7%	9.8%	5.9%	7%
Developed	8%	11.1%	8.4%	8.9%
Natural	75.5%	74.6%	67.4%	72.9%
Wetland	7.9%	4.5%	18.3%	11.1%
Impervious	2.8%	3.6%	3.2%	2.6%

\*Land cover analysis only includes watershed area within Massachusetts.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
5	5	Temperature	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Temperature	Source Unknown (N)	X	--	--	--	--

## Designated Use Attainment Decisions

## Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No

### 2024/26 Use Attainment Summary

Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Williams River (MA21-06) is Not Assessed.

## Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

### 2024/26 Use Attainment Summary

There are no data available to assess the status of the Aesthetics Use for Williams River (MA21-06), so it is Not Assessed.

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the Williams River (MA21-06) continues to be assessed as Fully Supporting. HVA staff/volunteers collected *E. coli* bacteria samples in the Williams River (MA21-06) from 2020 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_WMR200 [Just downstream of the Harris St Pedestrian Bridge (Downtown), W Stockbridge] from Jun-Sep 2020 (n=8), HVA\_WMR300 [downstream of the Rt. 41 Bridge, W Stockbridge] from Jun-Sep 2020 (n=8), HVA\_WMR400 [upstream of Division St Bridge, Great Barrington] from Jun 2020 (n=1). Analysis of the single year moderate frequency *E. coli* dataset from HVA\_WMR200 indicated 36% of intervals had GMs >126 CFU/100ml and no samples exceeded the 410 CFU/100ml STV. Analysis of the single year moderate frequency *E. coli* dataset from HVA\_WMR300 indicated 45% of intervals had GMs >126 CFU/100ml and 1 sample exceeded the 410 CFU/100ml STV. The available *E. coli* data at HVA\_WMR400 are too limited to assess according to the 2024 CALM. *E. coli* data from HVA\_WMR200 and HVA\_WMR300 meet 2024 CALM guidance.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_WMR200	Housatonic Valley Association	Water Quality	Williams River	Just downstream of the Harris Street Pedestrian Bridge (Downtown), West Stockbridge	42.333221	-73.367431

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_WMR300	Housatonic Valley Association	Water Quality	Williams River	Downstream of the Route 41 Bridge, West Stockbridge	42.262401	-73.379858
HVA_WMR400	Housatonic Valley Association	Water Quality	Williams River	Upstream of Division Street Bridge, Great Barrington	42.226549	-73.366099

## Bacteria Data

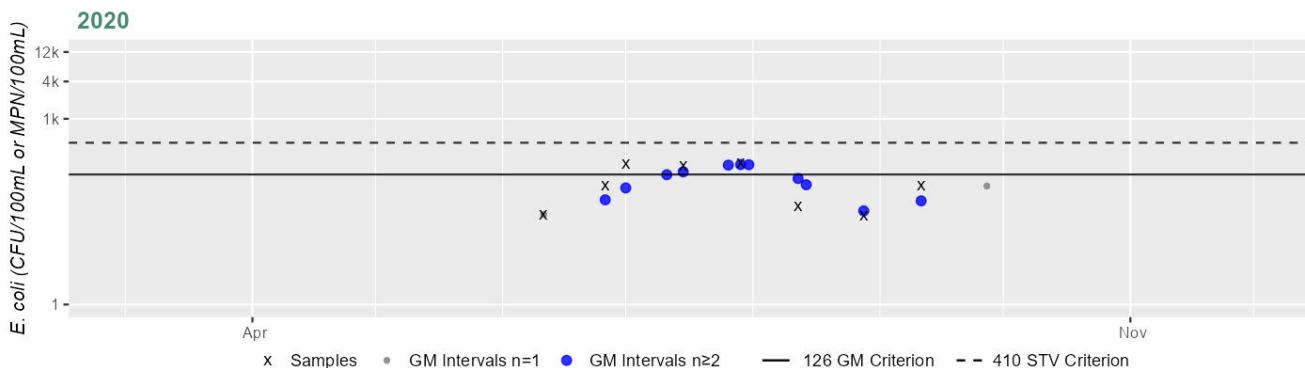
**Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (30-day Interval Analysis) (HVA 2022) (MassDEP Undated 2)**

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_WMR200	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	27	190	77
HVA_WMR300	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	18	816	64
HVA_WMR400	Housatonic Valley Association	E. coli	06/18/20	06/18/20	1	43	43	43

### Station HVA\_WMR200 - *Escherichia coli*

Daily Maximum Samples & 30 Day Geometric Means within the Primary Contact Recreation Season



Variable*	Result
Samples	8
SeasGM	77
#GMI	11
#GMI Ex	4
%GMI Ex	36%
n>STV	0
%n>STV	0%

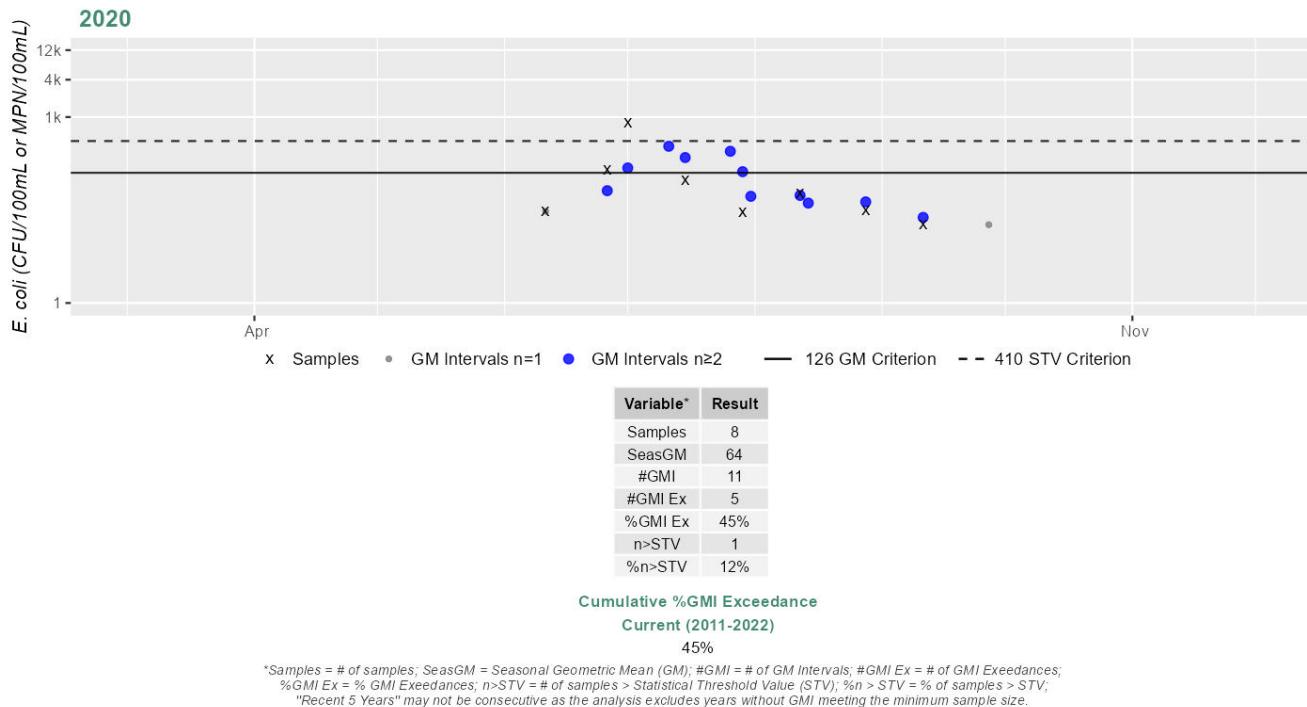
### Cumulative %GMI Exceedance Current (2011-2022)

36%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

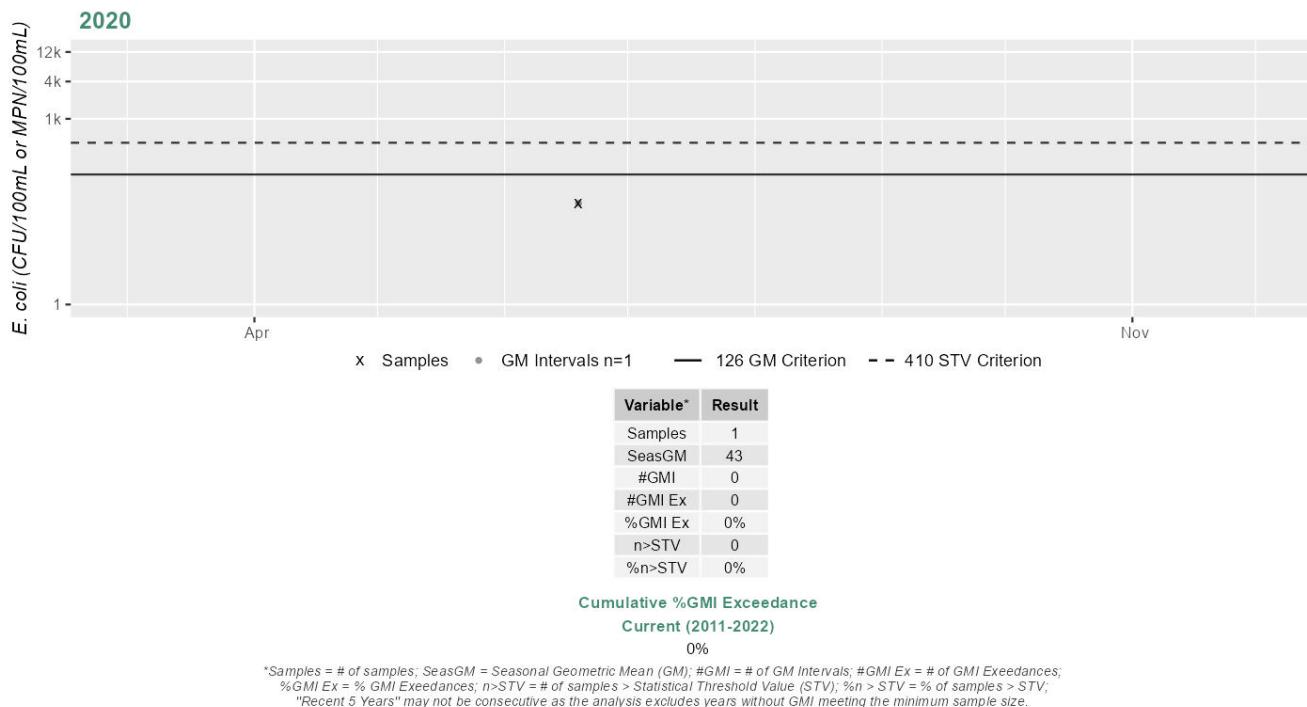
### Station HVA\_WMR300 - *Escherichia coli*

Daily Maximum Samples & 30 Day Geometric Means within the Primary Contact Recreation Season



### Station HVA\_WMR400 - *Escherichia coli*

Daily Maximum Samples & 30 Day Geometric Means within the Primary Contact Recreation Season



## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for the Williams River (MA21-06) continues to be assessed as Fully Supporting. HVA and MassDEP staff/volunteers collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in the Williams River (MA21-06) from 2002-2020 at 5 stations. Samples were collected from the following stations/sample years from upstream to downstream: HVA\_WMR200 [Just downstream of the Harris St Pedestrian Bridge (Downtown), W Stockbridge] from Jun-Sep 2020 (n=8), W1560 [~400 ft downstream of E Alford Rd, W Stockbridge] from May-Sep 2007 (n=5), HVA\_WMR300 [downstream of the Rt. 41 Bridge, W Stockbridge] from Jun-Sep 2020 (n=8), HVA\_WMR400 [upstream of Division St Bridge, Great Barrington] from Jun 2020 (n=1), W1098 [Division St, Great Barrington] from 2002 and 2007 (n=5/yr). Analysis of the single year moderate frequency *E. coli* dataset from HVA\_WMR200 indicated 0% of intervals had GMs >244 CFU/100ml and no samples exceeded the 794 CFU/100ml STV. Analysis of the single year moderate frequency *E. coli* dataset from HVA\_WMR300 indicated 0% of intervals had GMs >244 CFU/100ml and 1 sample exceeded the 794 CFU/100ml STV. The available *E. coli* data at HVA\_WMR400 are too limited to assess according to the 2024 CALM. *E. coli* data from HVA\_WMR200 and HVA\_WMR300 meet 2024 CALM guidance.

### Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
HVA_WMR200	Housatonic Valley Association	Water Quality	Williams River	Just downstream of the Harris Street Pedestrian Bridge (Downtown), West Stockbridge	42.333221	-73.367431
HVA_WMR300	Housatonic Valley Association	Water Quality	Williams River	Downstream of the Route 41 Bridge, West Stockbridge	42.262401	-73.379858
HVA_WMR400	Housatonic Valley Association	Water Quality	Williams River	Upstream of Division Street Bridge, Great Barrington	42.226549	-73.366099
W1098	MassDEP	Water Quality	Williams River	[Division Street, Great Barrington]	42.226301	-73.365727
W1560	MassDEP	Water Quality	Williams River	[approximately 400 feet downstream of East Alford Road, West Stockbridge]	42.301424	-73.381132

### Bacteria Data

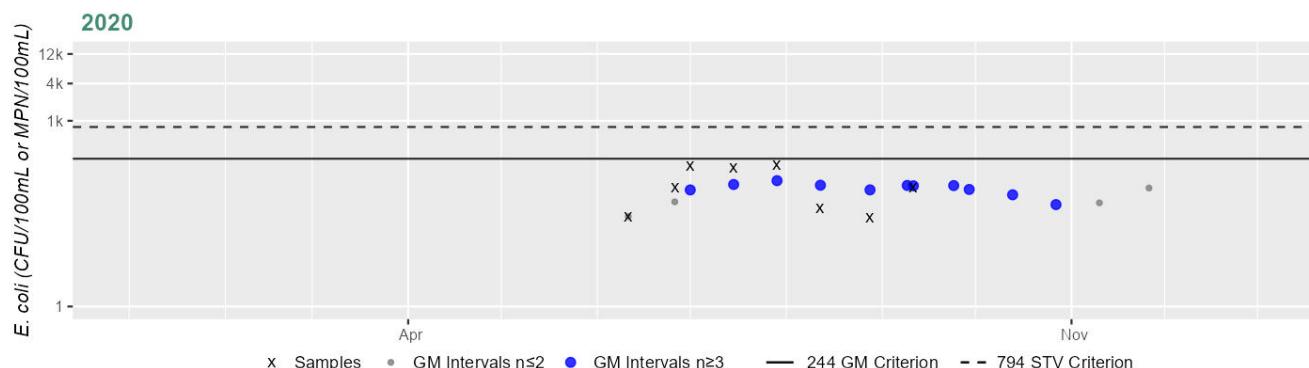
Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (HVA 2022) (MassDEP Undated 1) (MassDEP Undated 6) (MassDEP Undated 3)

[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
HVA_WMR200	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	27	190	77
HVA_WMR300	Housatonic Valley Association	E. coli	06/10/20	09/10/20	8	18	816	64
HVA_WMR400	Housatonic Valley Association	E. coli	06/18/20	06/18/20	1	43	43	43
W1098	MassDEP	E. coli	05/22/02	09/25/02	5	10	30	14
W1098	MassDEP	E. coli	05/08/07	09/25/07	5	6	60	26
W1560	MassDEP	E. coli	05/08/07	09/25/07	5	6	36	15

### Station HVA\_WMR200 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



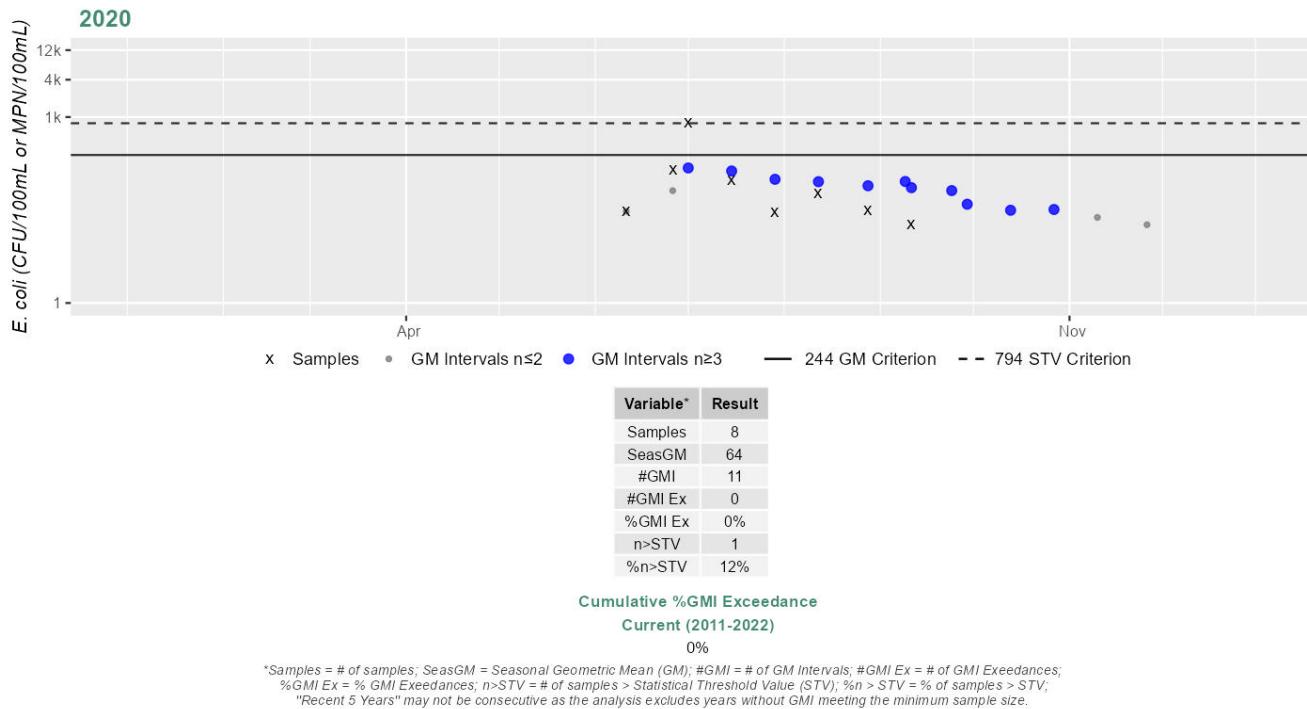
Variable*	Result
Samples	8
SeasGM	77
#GMI	11
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance  
Current (2011-2022)  
0%

\*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exceedances; %GMI Ex = % GMI Exceedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes years without GMI meeting the minimum sample size.

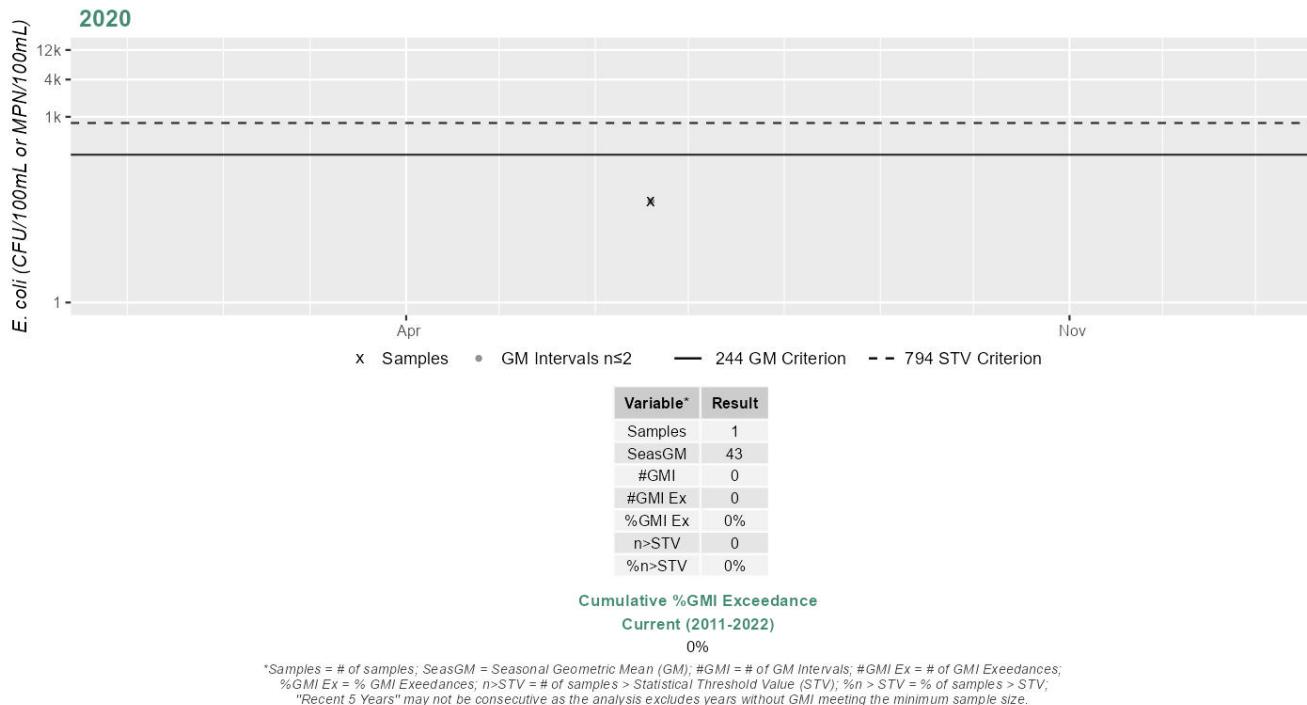
### Station HVA\_WMR300 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



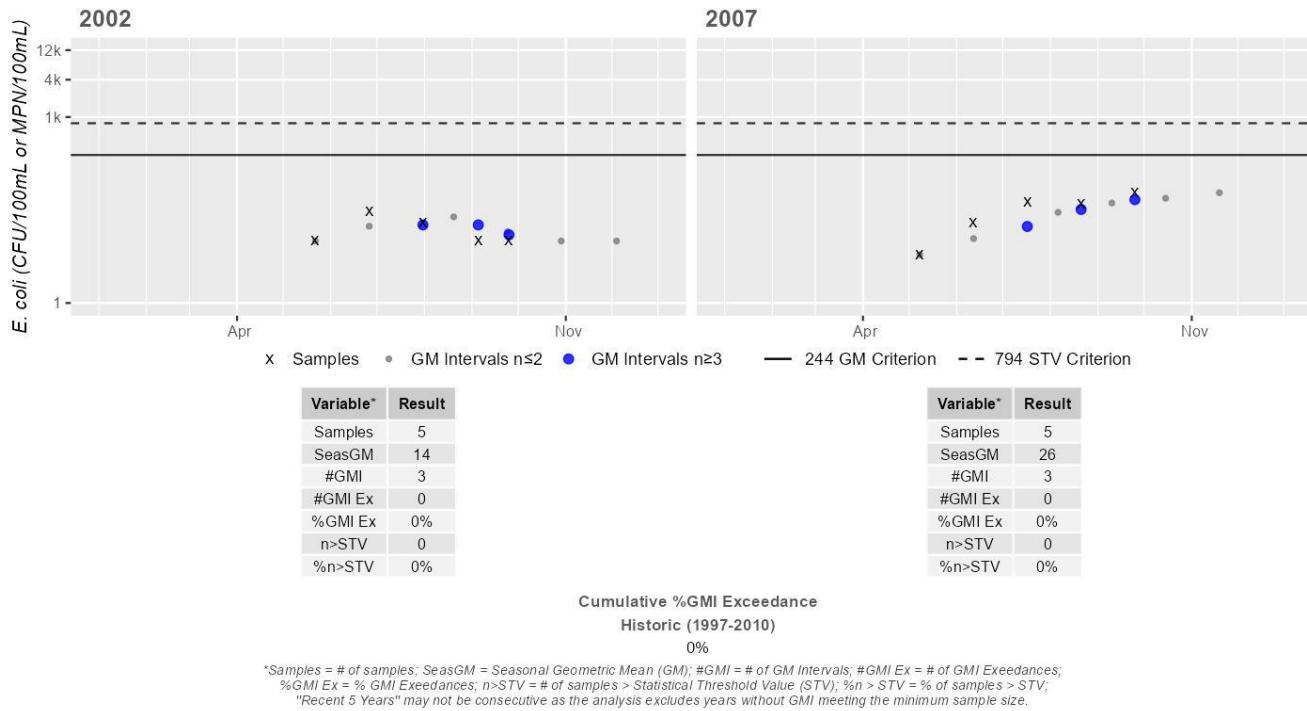
### Station HVA\_WMR400 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



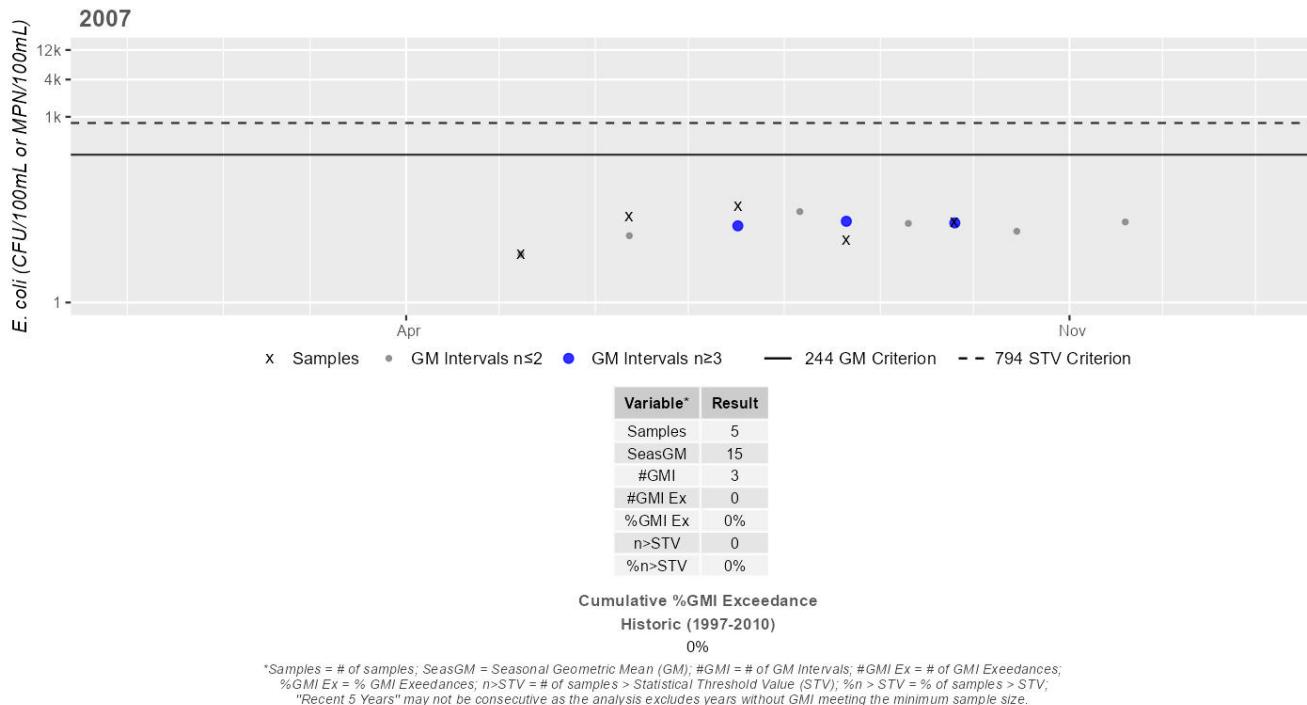
### Station MASSDEP\_W1098 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



### Station MASSDEP\_W1560 - *Escherichia coli*

Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



## Willow Brook (MA21-82)

<b>Location:</b>	Headwaters, outlet Perkins Pond, Lee to mouth at confluence with the Housatonic River, Lee.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	2.5 MILES
<b>Classification/Qualifier:</b>	B

No usable data were available for Willow Brook (MA21-82) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
--	3	None	--	Unchanged

## Windsor Brook (MA21-09)

<b>Location:</b>	Headwaters, southeast of Fobes Hill (west of Savoy Hollow Road), Windsor to mouth at inlet Windsor Reservoir, Hinsdale.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	6.1 MILES
<b>Classification/Qualifier:</b>	A: PWS, ORW (Tributary)

No usable data were available for Windsor Brook (MA21-09) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID		Impairment Change Summary
4c	4c	(Dewatering*)	--		Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Dewatering*)	Water Diversions (Y)	X	--	--	--	--

## Windsor Reservoir (MA21119)

<b>Location:</b>	Hinsdale/Windsor.
<b>AU Type:</b>	FRESHWATER LAKE
<b>AU Size:</b>	74 ACRES
<b>Classification/Qualifier:</b>	A: PWS, ORW

No usable data were available for Windsor Reservoir (MA21119) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

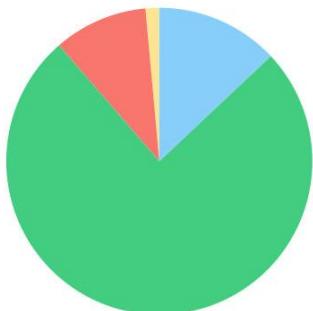
AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

# Yokun Brook (MA21-77)

<b>Location:</b>	Headwaters, north of Reservoir Road, Lenox to mouth at confluence with Housatonic River, Lenox.
<b>AU Type:</b>	RIVER
<b>AU Size:</b>	6.6 MILES
<b>Classification/Qualifier:</b>	B

## Yokun Brook (MA21-77)

Watershed Area: 6.62 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	6.62	5.88	1.94	1.70
Agriculture	1.5%	1.6%	1.3%	1.4%
Developed	9.9%	11.1%	6.6%	7.3%
Natural	75.6%	72.6%	69%	64.9%
Wetland	13%	14.6%	23.2%	26.4%
Impervious	4.7%	5.2%	2.9%	3.1%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	2	None	--	Unchanged

## Designated Use Attainment Decisions

### Fish Consumption

2024/26 Use Attainment	Alert
Not Assessed	No
<b>2024/26 Use Attainment Summary</b>	
Fish toxics sampling has not been conducted recently, so the Fish Consumption Use for Yokun Brook (MA21-77) is Not Assessed.	

## Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

### 2024/26 Use Attainment Summary

The Aesthetics Use for Yokun Brook (MA21-77) is being assessed as Fully Supporting. MassDEP staff recorded aesthetics observations at two stations on the downstream half of this Yokun Brook AU, from up to downstream as follows; ~1800 feet upstream of Edgewood Drive, Lenox (W2291) in 2012 (n=4), 2013 (n=5), 2014 (n=4), 2015 (n=4) and 2017 (n=5); and at Edgewood Drive, Lenox (W2281) in 2012 (n=1). There were generally no noted objectionable conditions (odors, deposits, growths, or turbidity) recorded by MassDEP field sampling crews during the surveys.

## Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2281	MassDEP	Water Quality	Yokun Brook	[Edgewood Drive, Lenox]	42.383485	-73.257379
W2291	MassDEP	Water Quality	Yokun Brook	[approximately 1800 feet upstream of Edgewood Drive, Lenox]	42.386488	-73.259408

## Aesthetic Observations

### Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 4)

[Note: scums of natural origins (e.g. pollen blankets or natural foams) are excluded.]

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2281	2012	1	Aesthetic observations were made by MassDEP field sampling crews at Station W2281 on Yokun Brook (MA21-77) during 1 site visit on May 09, 2012. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2291	2012	4	Aesthetic observations were made by MassDEP field sampling crews at Station W2291 on Yokun Brook (MA21-77) during 4 site visits between Jul 2012 and Oct 2012. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W2291	2013	5	Aesthetic observations were made by MassDEP field sampling crews at Station W2291 on Yokun Brook (MA21-77) during 5 site visits between May 2013 and Sep 2013. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2291	2014	4	Aesthetic observations were made by MassDEP field sampling crews at Station W2291 on Yokun Brook (MA21-77) during 4 site visits between May 2014 and Aug 2014. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W2291	2015	4	Aesthetic observations were made by MassDEP field sampling crews at Station W2291 on Yokun Brook (MA21-77) during 4 site visits between May 2015 and Aug 2015. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W2291	2017	5	Aesthetic observations were made by MassDEP field sampling crews at Station W2291 on Yokun Brook (MA21-77) during 5 site visits between May 2017 and Sep 2017. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

**Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 6) (MassDEP Undated 4)**

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2281	2012	1	1	0
W2291	2012	4	3	0
W2291	2013	5	5	0
W2291	2014	4	4	0
W2291	2015	4	4	0
W2291	2017	5	5	0

**MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 6)**

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2281	Yokun Brook	2012	Aquatic Plant Density, Overall	None	1	1
W2281	Yokun Brook	2012	Color	Light Yellow/Tan	1	1
W2281	Yokun Brook	2012	Objectionable Deposits	No	1	1
W2281	Yokun Brook	2012	Odor	None	1	1
W2281	Yokun Brook	2012	Periphyton Density, Filamentous	None	1	1
W2281	Yokun Brook	2012	Periphyton Density, Film	Sparse	1	1
W2281	Yokun Brook	2012	Scum	No	1	1
W2281	Yokun Brook	2012	Turbidity	None	1	1
W2291	Yokun Brook	2012	Aquatic Plant Density, Overall	None	4	4
W2291	Yokun Brook	2012	Color	None	3	4

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2291	Yokun Brook	2012	Color	NR	1	4
W2291	Yokun Brook	2012	Objectionable Deposits	No	4	4
W2291	Yokun Brook	2012	Odor	None	4	4
W2291	Yokun Brook	2012	Periphyton Density, Filamentous	None	3	4
W2291	Yokun Brook	2012	Periphyton Density, Filamentous	NR	1	4
W2291	Yokun Brook	2012	Periphyton Density, Film	Moderate	1	4
W2291	Yokun Brook	2012	Periphyton Density, Film	None	2	4
W2291	Yokun Brook	2012	Periphyton Density, Film	NR	1	4
W2291	Yokun Brook	2012	Scum	No	4	4
W2291	Yokun Brook	2012	Turbidity	None	3	4
W2291	Yokun Brook	2012	Turbidity	Slightly Turbid	1	4
W2291	Yokun Brook	2013	Aesthetics Impaired?	No	5	5
W2291	Yokun Brook	2013	Aquatic Plant Density, Overall	None	5	5
W2291	Yokun Brook	2013	Color	Light Yellow/Tan	2	5
W2291	Yokun Brook	2013	Color	None	2	5
W2291	Yokun Brook	2013	Color	NR	1	5
W2291	Yokun Brook	2013	Objectionable Deposits	No	5	5
W2291	Yokun Brook	2013	Odor	None	5	5
W2291	Yokun Brook	2013	Periphyton Density, Filamentous	None	4	5
W2291	Yokun Brook	2013	Periphyton Density, Filamentous	Sparse	1	5
W2291	Yokun Brook	2013	Periphyton Density, Film	None	3	5
W2291	Yokun Brook	2013	Periphyton Density, Film	Sparse	2	5
W2291	Yokun Brook	2013	Scum	No	2	5
W2291	Yokun Brook	2013	Scum	Yes	3	5
W2291	Yokun Brook	2013	Turbidity	None	3	5
W2291	Yokun Brook	2013	Turbidity	Slightly Turbid	2	5
W2291	Yokun Brook	2014	Aesthetics Impaired?	No	4	4
W2291	Yokun Brook	2014	Aquatic Plant Density, Overall	None	4	4
W2291	Yokun Brook	2014	Color	None	4	4
W2291	Yokun Brook	2014	Objectionable Deposits	No	3	4
W2291	Yokun Brook	2014	Objectionable Deposits	Yes	1	4
W2291	Yokun Brook	2014	Odor	None	4	4
W2291	Yokun Brook	2014	Periphyton Density, Filamentous	None	3	4
W2291	Yokun Brook	2014	Periphyton Density, Filamentous	NR	1	4
W2291	Yokun Brook	2014	Periphyton Density, Film	None	3	4

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2291	Yokun Brook	2014	Periphyton Density, Film	Sparse	1	4
W2291	Yokun Brook	2014	Scum	No	2	4
W2291	Yokun Brook	2014	Scum	Yes	2	4
W2291	Yokun Brook	2014	Turbidity	None	4	4
W2291	Yokun Brook	2015	Aesthetics Impaired?	No	4	4
W2291	Yokun Brook	2015	Aquatic Plant Density, Overall	None	4	4
W2291	Yokun Brook	2015	Color	Light Yellow/Tan	1	4
W2291	Yokun Brook	2015	Color	None	3	4
W2291	Yokun Brook	2015	Objectionable Deposits	No	4	4
W2291	Yokun Brook	2015	Odor	None	4	4
W2291	Yokun Brook	2015	Periphyton Density, Filamentous	None	4	4
W2291	Yokun Brook	2015	Periphyton Density, Film	None	3	4
W2291	Yokun Brook	2015	Periphyton Density, Film	Sparse	1	4
W2291	Yokun Brook	2015	Scum	No	4	4
W2291	Yokun Brook	2015	Turbidity	None	4	4
W2291	Yokun Brook	2017	Aesthetics Impaired?	No	5	5
W2291	Yokun Brook	2017	Aquatic Plant Density, Overall	None	5	5
W2291	Yokun Brook	2017	Color	Light Yellow/Tan	1	5
W2291	Yokun Brook	2017	Color	None	4	5
W2291	Yokun Brook	2017	Objectionable Deposits	No	4	5
W2291	Yokun Brook	2017	Objectionable Deposits	Yes	1	5
W2291	Yokun Brook	2017	Odor	None	5	5
W2291	Yokun Brook	2017	Periphyton Density, Filamentous	None	5	5
W2291	Yokun Brook	2017	Periphyton Density, Film	Moderate	1	5
W2291	Yokun Brook	2017	Periphyton Density, Film	None	2	5
W2291	Yokun Brook	2017	Periphyton Density, Film	Sparse	2	5
W2291	Yokun Brook	2017	Scum	No	5	5
W2291	Yokun Brook	2017	Turbidity	None	5	5

## Primary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	NO
<b>2024/26 Use Attainment Summary</b>	

No bacteria data are available to assess the Primary Contact Recreation Use for Yokun Brook (MA21-77) and available aesthetics observations for this AU did not result in any impairment, so it is assessed as having Insufficient Information.

## Secondary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	NO

### 2024/26 Use Attainment Summary

No bacteria data are available to assess the Secondary Contact Recreation Use for Yokun Brook (MA21-77) and available aesthetics observations for this AU did not result in any impairment, so it is assessed as having Insufficient Information.

## Data Sources

Bailey, Logan. "DPH 2022 freshwater beach posting data provided to Laurie Kennedy and Dan Davis (MassDEP Watershed Planning Program) via Excel file (FreshwaterBeachPostings\_2022) attached to email (RE: DPH Beach Posting information update needed for 2024 IR)." Additional 2020-2022 freshwater/marine beach posting data downloaded from the Mass Environmental Public Health Tracker tool or EPA BEACON tool, respectively, Environmental Toxicology Program, Bureau of Environmental Health, Massachusetts Department of Public Health, Boston, MA, Sept. 10, 2023.

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MassDEP. "Open file analysis of MassDEP WPP water quality data collected between 2011 and 2020 using 2024 CALM guidance." Watershed Planning Program, Massachusetts Department of Environmental Protection, Worcester, MA, Undated 4.

MassDEP. "Open files of fish toxicity testing data, metadata, and GIS datalayers in development." Watershed Planning Program, Massachusetts Department of Environmental Protection, Worcester, MA, Undated 5.

MassDEP. "Open files of unpublished, validated water quality monitoring data, field sheet data, and GIS datalayers in development." Watershed Planning Program, Massachusetts Department of Environmental Protection, Worcester, MA, Undated 6.

—. "PFAS Concentrations in Surface Water and Fish Tissue at Selected Rivers and Lakes in Massachusetts." Watershed Planning Program, Division of Watershed Management, Bureau of Water Resources, Massachusetts Department of Environmental Protection. Worcester, MA. In cooperation with Eastern Research Group, Inc. December 2023. <https://www.mass.gov/doc/massdep-final-report-on-pfas-concentrations-in-surface-water-and-fish-tissue-at-selected-rivers-and-lakes-in-massachusetts/download> (accessed January 2024).

Savoie, Jennifer G, and Denise M Argue. "Concentrations of Per- and Polyfluoroalkyl Substances (PFAS) in Selected Rivers and Streams in Massachusetts, 2020." U.S. Geological Survey data report 1160 version 2.0 and accompanying data prepared in cooperation with the Massachusetts Department of Environmental Protection. October 2023. <https://doi.org/10.5066/P967NO0Z> (accessed January 2024).

USGS. "USGS 2011-2022 bacteria data downloaded from WQX 10/21/2024." United States Geological Survey, 2024.