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

Appendix 11
Buzzards Bay Coastal Drainage Area
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.

Acknowledgements

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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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Notice of Availability

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
"Inner" Sippican Harbor	MA95-70	5	5	Dissolved Oxygen	--	Unchanged
"Inner" Sippican Harbor	MA95-70	5	5	Estuarine Bioassessments	--	Unchanged
"Inner" Sippican Harbor	MA95-70	5	5	Fecal Coliform	36172	Unchanged
"Inner" Sippican Harbor	MA95-70	5	5	Nitrogen, Total	--	Unchanged
"Inner" Sippican Harbor	MA95-70	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Abner Pond	MA95001	3	3	None	--	Unchanged
Acushnet River	MA95-31	5	5	Dissolved Oxygen	--	Unchanged
Acushnet River	MA95-31	5	5	Enterococcus	36170	Unchanged
Acushnet River	MA95-31	5	5	Escherichia Coli (E. Coli)	36170	Unchanged
Acushnet River	MA95-31	5	5	Fecal Coliform	36170	Unchanged
Acushnet River	MA95-32	5	5	Benthic Macroinvertebrates	--	Unchanged
Acushnet River	MA95-32	5	5	Dissolved Oxygen	--	Unchanged
Acushnet River	MA95-32	5	5	Enterococcus	36170	Unchanged
Acushnet River	MA95-32	5	5	Escherichia Coli (E. Coli)	36170	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Acushnet River	MA95-32	5	5	Fecal Coliform	36170	Unchanged
Acushnet River	MA95-33	5	5	(Debris*)	--	Unchanged
Acushnet River	MA95-33	5	5	Color	--	Unchanged
Acushnet River	MA95-33	5	5	Dissolved Oxygen	R1_MA_2024_03	Changed
Acushnet River	MA95-33	5	5	Enterococcus	36171	Unchanged
Acushnet River	MA95-33	5	5	Fecal Coliform	36171	Unchanged
Acushnet River	MA95-33	5	5	Metals	--	Unchanged
Acushnet River	MA95-33	5	5	Nitrogen, Total	R1_MA_2024_03	Changed
Acushnet River	MA95-33	5	5	Nutrient/Eutrophication Biological Indicators	R1_MA_2024_03	Changed
Acushnet River	MA95-33	5	5	Odor	--	Unchanged
Acushnet River	MA95-33	5	5	Oil and Grease	--	Unchanged
Acushnet River	MA95-33	5	5	PCBs in Fish Tissue	--	Unchanged
Acushnet River	MA95-33	5	5	Polychlorinated Biphenyls (PCBs)	--	Unchanged
Acushnet River	MA95-33	5	5	Trash	--	Unchanged
Agawam River	MA95-28	4c	4c	(Fish Passage Barrier*)	--	Unchanged
Agawam River	MA95-29	5	4a	Algae	R1_MA_2024_02	Changed
Agawam River	MA95-29	5	4a	Fecal Coliform	36171	Unchanged
Agawam River	MA95-29	5	4a	Nitrogen, Total	R1_MA_2024_02	Changed
Agawam River	MA95-29	5	4a	Nutrient/Eutrophication Biological Indicators	R1_MA_2024_02	Changed
Allen Creek	MA95-97	5	5	Escherichia Coli (E. Coli)	--	Unchanged
Allens Pond	MA95-107	5	5	Dissolved Oxygen	--	Unchanged
Allens Pond	MA95-107	5	5	Nitrogen, Total	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Allens Pond	MA95-107	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Angeline Brook	MA95-83	5	4a	Enterococcus	R1_MA_2024_04	Changed
Apponagansett Bay	MA95-39	5	5	Dissolved Oxygen	--	Unchanged
Apponagansett Bay	MA95-39	5	5	Estuarine Bioassessments	--	Unchanged
Apponagansett Bay	MA95-39	5	5	Fecal Coliform	36172	Unchanged
Apponagansett Bay	MA95-39	5	5	Nitrogen, Total	--	Unchanged
Apponagansett Bay	MA95-39	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Apponagansett Bay	MA95-39	5	5	PCBs in Fish Tissue	--	Unchanged
Aucoot Cove	MA95-09	5	5	Estuarine Bioassessments	--	Unchanged
Aucoot Cove	MA95-09	5	5	Fecal Coliform	36172	Added
Aucoot Cove	MA95-71	5	5	Dissolved Oxygen	--	Unchanged
Aucoot Cove	MA95-71	5	5	Fecal Coliform	36172	Unchanged
Aucoot Cove	MA95-71	5	5	Nitrogen, Total	--	Unchanged
Aucoot Cove	MA95-71	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Aucoot Creek	MA95-72	5	5	Dissolved Oxygen	--	Unchanged
Aucoot Creek	MA95-72	5	5	Fecal Coliform	36172	Unchanged
Aucoot Creek	MA95-72	5	5	Nitrogen, Total	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Aucoot Creek	MA95-72	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Back River	MA95-47	4a	4a	Fecal Coliform	36172	Unchanged
Barrett Pond	MA95004	2	3	None	--	Unchanged
Bates Pond	MA95007	3	3	None	--	Unchanged
Beaverdam Creek	MA95-53	5	5	Estuarine Bioassessments	--	Unchanged
Beaverdam Creek	MA95-53	5	5	Fecal Coliform	36172	Unchanged
Beaverdam Creek	MA95-53	5	5	Nitrogen, Total	--	Unchanged
Big Rocky Pond	MA95119	3	3	None	--	Unchanged
Big Sandy Pond	MA95011	3	3	None	--	Unchanged
Blackmore Reservoir	MA95015	3	3	None	--	Unchanged
Bourne Pond	MA95016	4c	4c	(Fish Passage Barrier*)	--	Unchanged
Brant Island Cove	MA95-93	5	5	Fecal Coliform	--	Unchanged
Bread and Cheese Brook	MA95-58	5	5	Enterococcus	36170	Unchanged
Bread and Cheese Brook	MA95-58	5	5	Fecal Coliform	36170	Unchanged
Bread and Cheese Brook	MA95-58	5	5	Temperature	--	Unchanged
Broad Marsh River	MA95-49	4a	4a	Fecal Coliform	36172	Unchanged
Butler Cove	MA95-77	5	5	Estuarine Bioassessments	--	Unchanged
Buttermilk Bay	MA95-01	5	5	Estuarine Bioassessments	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Buttermilk Bay	MA95-01	5	5	Fecal Coliform	36172	Unchanged
Buttermilk Bay	MA95-01	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Buttonwood Brook	MA95-13	4a	4a	Enterococcus	36170	Unchanged
Buttonwood Brook	MA95-13	4a	4a	Escherichia Coli (E. Coli)	36170	Unchanged
Buttonwood Brook	MA95-13	4a	4a	Fecal Coliform	36170	Unchanged
Buttonwood Park Pond	MA95020	3	3	None	--	Unchanged
Buzzards Bay	MA95-62	5	5	Estuarine Bioassessments	--	Unchanged
Buzzards Bay	MA95-62	5	5	Fecal Coliform	36172	Unchanged
Buzzards Bay	MA95-62	5	5	PCBs in Fish Tissue	--	Unchanged
Cape Cod Canal	MA95-14	4a	4a	Fecal Coliform	36171	Unchanged
Cedar Dell Lake	MA95021	5	5	Enterococcus	--	Unchanged
Cedar Island Creek	MA95-52	4a	4a	Fecal Coliform	36172	Unchanged
Cedar Lake	MA95-96344	3	3	None	--	Unchanged
Charge Pond	MA95025	2	2	None	--	Unchanged
Clarks Cove	MA95-38	5	5	Dissolved Oxygen	--	Unchanged
Clarks Cove	MA95-38	5	5	Enterococcus	36172	Unchanged
Clarks Cove	MA95-38	5	5	Estuarine Bioassessments	--	Unchanged
Clarks Cove	MA95-38	5	5	Fecal Coliform	36172	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Clarks Cove	MA95-38	5	5	Nitrogen, Total	--	Unchanged
Clarks Cove	MA95-38	5	5	PCBs in Fish Tissue	--	Unchanged
Cohasset Narrows	MA95-109	--	5	Fecal Coliform	--	Added
Cohasset Narrows	MA95-111	--	3	None	--	Unchanged
College Pond	MA95030	2	2	None	--	Unchanged
Copicut Reservoir	MA95175	5	5	Mercury in Fish Tissue	--	Unchanged
Copicut River	MA95-43	5	5	Mercury in Fish Tissue	--	Unchanged
Copicut River	MA95-43	5	5	PCBs in Fish Tissue	--	Unchanged
Cornell Pond	MA95031	5	5	Mercury in Fish Tissue	33880	Unchanged
Cornell Pond	MA95031	5	5	PCBs in Fish Tissue	--	Unchanged
Crane Brook Bog Pond	MA95033	5	5	(Non-Native Aquatic Plants*)	--	Unchanged
Crane Brook Bog Pond	MA95033	5	5	Algae	--	Unchanged
Crane Brook Bog Pond	MA95033	5	5	Phosphorus, Total	--	Unchanged
Crooked River	MA95-51	4a	4a	Enterococcus	36172	Added
Crooked River	MA95-51	4a	4a	Fecal Coliform	36172	Unchanged
Curlew Pond	MA95034	2	2	None	--	Unchanged
Deer Pond	MA95036	3	3	None	--	Unchanged
Destruction Brook	MA95-90	3	3	None	--	Unchanged
Dicks Pond	MA95038	3	3	None	--	Unchanged
Doggett Brook	MA95-96	5	5	Benthic Macroinvertebrates	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Doggett Brook	MA95-96	5	5	Dissolved Oxygen	--	Unchanged
Doggett Brook	MA95-96	5	5	Lead	--	Unchanged
Dunham Pond	MA95044	5	5	Chlorophyll-a	--	Unchanged
Dunham Pond	MA95044	5	5	Transparency / Clarity	--	Unchanged
Dunhams Brook	MA95-73	5	5	Escherichia Coli (E. Coli)	--	Unchanged
East Branch Westport River	MA95-40	5	5	(Fish Passage Barrier*)	--	Unchanged
East Branch Westport River	MA95-40	5	5	Dissolved Oxygen	--	Unchanged
East Branch Westport River	MA95-40	5	5	Enterococcus	36170	Unchanged
East Branch Westport River	MA95-40	5	5	Fecal Coliform	36170	Unchanged
East Branch Westport River	MA95-40	5	5	Transparency / Clarity	--	Added
East Branch Westport River	MA95-41	4a	4a	Estuarine Bioassessments	67640	Unchanged
East Branch Westport River	MA95-41	4a	4a	Fecal Coliform	36171	Unchanged
East Branch Westport River	MA95-41	4a	4a	Nitrogen, Total	67640	Unchanged
East Branch Westport River	MA95-41	4a	4a	Nutrient/Eutrophication Biological Indicators	67640	Unchanged
East Head Pond	MA95177	3	3	None	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
East River	MA95-95	5	5	Estuarine Bioassessments	--	Unchanged
East River	MA95-95	5	5	Fecal Coliform	--	Unchanged
Eel Pond	MA95-48	4a	4a	Fecal Coliform	36172	Unchanged
Eel Pond	MA95-61	5	5	Dissolved Oxygen	--	Unchanged
Eel Pond	MA95-61	5	5	Fecal Coliform	36172	Unchanged
Eel Pond	MA95-61	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Ezekiel Pond	MA95051	5	5	Mercury in Fish Tissue	--	Unchanged
Fawn Pond	MA95053	3	3	None	--	Unchanged
Fearing Pond	MA95054	2	5	PFAS in Fish Tissue	--	Added
Federal Pond	MA95055	4c	4c	(Aquatic Plants (Macrophytes)*)	--	Added
Federal Pond	MA95055	4c	4c	(Fanwort*)	--	Unchanged
Federal Pond	MA95055	4c	4c	(Non-Native Aquatic Plants*)	--	Unchanged
Federal Pond	MA95055	4c	4c	(Swollen Bladderwort*)	--	Unchanged
Fiddlers Cove	MA95-79	5	4a	Dissolved Oxygen	R1_MA_2018_02	Unchanged
Fiddlers Cove	MA95-79	5	4a	Estuarine Bioassessments	R1_MA_2018_02	Unchanged
Fiddlers Cove	MA95-79	5	4a	Fecal Coliform	R1_MA_2024_04	Changed
Fiddlers Cove	MA95-79	5	4a	Nitrogen, Total	R1_MA_2018_02	Unchanged
Fiddlers Cove	MA95-79	5	4a	Nutrient/Eutrophication Biological Indicators	R1_MA_2018_02	Unchanged
Five Mile Pond	MA95056	3	3	None	--	Unchanged
Flax Pond	MA95-96087	3	5	PFAS in Fish Tissue	--	Added

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Fresh Meadow Pond	MA95174	4c	4c	(Fanwort*)	--	Unchanged
Gallows Pond	MA95059	3	3	None	--	Unchanged
Giles Creek	MA95-89	3	3	None	--	Unchanged
Glen Charlie Pond	MA95061	3	3	None	--	Unchanged
Great Sippewisset Creek	MA95-23	4a	4a	Fecal Coliform	36172	Unchanged
Halfway Pond	MA95178	5	5	Harmful Algal Blooms	--	Unchanged
Halfway Pond	MA95178	5	5	Mercury in Fish Tissue	--	Unchanged
Hammett Cove	MA95-56	5	5	Estuarine Bioassessments	--	Unchanged
Hammett Cove	MA95-56	5	5	Fecal Coliform	36172	Unchanged
Hammett Cove	MA95-56	5	5	Nitrogen, Total	--	Unchanged
Hammett Cove	MA95-56	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Harbor Head	MA95-46	4a	4a	Estuarine Bioassessments	34284	Unchanged
Harbor Head	MA95-46	4a	4a	Fecal Coliform	36172	Unchanged
Herring Brook	MA95-21	5	5	Chlorophyll-a	--	Unchanged
Herring Brook	MA95-21	5	5	Fecal Coliform	36172	Unchanged
Herring Brook	MA95-21	5	5	Nitrogen, Total	--	Unchanged
Hiller Cove	MA95-10	5	5	Estuarine Bioassessments	--	Unchanged
Hiller Cove	MA95-10	5	5	Fecal Coliform	36172	Unchanged
Horseneck Channel	MA95-87	2	2	None	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Horseshoe Pond	MA95075	3	5	Transparency / Clarity	--	Added
Kings Pond	MA95078	3	3	None	--	Unchanged
Kirby Brook	MA95-82	5	4a	Enterococcus	R1_MA_2024_04	Changed
Leonards Pond	MA95080	5	5	(Aquatic Plants (Macrophytes)*)	--	Unchanged
Leonards Pond	MA95080	5	5	(Curly-leaf Pondweed*)	--	Unchanged
Leonards Pond	MA95080	5	5	(Non-Native Aquatic Plants*)	--	Unchanged
Leonards Pond	MA95080	5	5	Chlorophyll-a	--	Unchanged
Leonards Pond	MA95080	5	5	Transparency / Clarity	--	Unchanged
Little Bay	MA95-64	4a	4a	Fecal Coliform	36172	Unchanged
Little Buttermilk Bay	MA95-76	5	5	Estuarine Bioassessments	--	Unchanged
Little Buttermilk Bay	MA95-76	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Little Long Pond	MA95088	3	3	None	--	Unchanged
Little Long Pond	MA95089	3	3	None	--	Unchanged
Little River	MA95-66	2	2	None	--	Unchanged
Little Rocky Pond	MA95091	3	3	None	--	Unchanged
Little Sandy Pond	MA95092	3	3	None	--	Unchanged
Little Sippewisset Marsh	MA95-24	4a	4a	Fecal Coliform	36172	Unchanged
Little West Pond	MA95093	3	3	None	--	Unchanged
Long Duck Pond	MA95095	3	3	None	--	Unchanged
Long Pond	MA95096	3	3	None	--	Unchanged
Long Pond	MA95097	4a	4a	Mercury in Fish Tissue	33880	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Mare Pond	MA95172	3	3	None	--	Unchanged
Marys Pond	MA95100	5	5	Mercury in Fish Tissue	--	Unchanged
Mattapoisett Harbor	MA95-115	--	5	Fecal Coliform	--	Added
Mattapoisett Harbor	MA95-35	5	5	Dissolved Oxygen	--	Unchanged
Mattapoisett Harbor	MA95-35	5	5	Estuarine Bioassessments	--	Unchanged
Mattapoisett Harbor	MA95-35	5	5	Fecal Coliform	36172	Unchanged
Mattapoisett Harbor	MA95-35	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Mattapoisett River	MA95-36	5	5	Benthic Macroinvertebrates	--	Unchanged
Mattapoisett River	MA95-36	5	5	Enterococcus	R1_MA_2024_04	Changed
Mattapoisett River	MA95-36	5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04	Changed
Mattapoisett River	MA95-36	5	5	Transparency / Clarity	--	Added
Mattapoisett River	MA95-60	5	5	Dissolved Oxygen	--	Unchanged
Mattapoisett River	MA95-60	5	5	Fecal Coliform	36172	Unchanged
Megansett Harbor	MA95-19	5	4a	Estuarine Bioassessments	R1_MA_2020_07	Unchanged
Megansett Harbor	MA95-19	5	4a	Fecal Coliform	R1_MA_2024_04	Changed
Megansett Harbor	MA95-19	5	4a	Nutrient/Eutrophication Biological Indicators	R1_MA_2020_07	Unchanged
Micajah Pond	MA95102	3	3	None	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Mill Pond	MA95105	5	5	(Fish Passage Barrier*)	--	Unchanged
Mill Pond	MA95105	5	5	(Non-Native Aquatic Plants*)	--	Unchanged
Mill Pond	MA95105	5	5	Harmful Algal Blooms	--	Unchanged
Muddy Cove	MA95-108	--	5	Fecal Coliform	--	Added
Nasketucket Bay	MA95-65	5	5	Estuarine Bioassessments	--	Unchanged
Nasketucket Bay	MA95-65	5	5	Fecal Coliform	36172	Unchanged
Nasketucket River	MA95-104	5	5	(Fish Passage Barrier*)	--	Unchanged
Nasketucket River	MA95-104	5	5	Dissolved Oxygen	--	Unchanged
Nasketucket River	MA95-67	5	5	Nitrogen, Total	--	Unchanged
New Bedford Inner Harbor	MA95-42	5	5	(Debris*)	--	Unchanged
New Bedford Inner Harbor	MA95-42	5	5	Dissolved Oxygen	R1_MA_2024_03	Changed
New Bedford Inner Harbor	MA95-42	5	5	Enterococcus	36171	Unchanged
New Bedford Inner Harbor	MA95-42	5	5	Fecal Coliform	36171	Unchanged
New Bedford Inner Harbor	MA95-42	5	5	Metals	--	Unchanged
New Bedford Inner Harbor	MA95-42	5	5	Nitrogen, Total	R1_MA_2024_03	Changed
New Bedford Inner Harbor	MA95-42	5	5	Nutrient/Eutrophication Biological Indicators	R1_MA_2024_03	Changed

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
New Bedford Inner Harbor	MA95-42	5	5	Odor	--	Unchanged
New Bedford Inner Harbor	MA95-42	5	5	Oil and Grease	--	Unchanged
New Bedford Inner Harbor	MA95-42	5	5	PCBs in Fish Tissue	--	Unchanged
New Bedford Inner Harbor	MA95-42	5	5	Polychlorinated Biphenyls (PCBs)	--	Unchanged
New Bedford Inner Harbor	MA95-42	5	5	Trash	--	Unchanged
New Bedford Reservoir	MA95110	5	5	(Aquatic Plants (Macrophytes)*)	--	Unchanged
New Bedford Reservoir	MA95110	5	5	(Non-Native Aquatic Plants*)	--	Unchanged
New Bedford Reservoir	MA95110	5	5	DDT in Fish Tissue	--	Unchanged
New Bedford Reservoir	MA95110	5	5	Dissolved Oxygen	--	Unchanged
New Bedford Reservoir	MA95110	5	5	Mercury in Fish Tissue	--	Unchanged
New Bedford Reservoir	MA95110	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
New Bedford Reservoir	MA95110	5	5	Phosphorus, Total	--	Unchanged
New Bedford Reservoir	MA95110	5	5	Transparency / Clarity	--	Added

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
New Long Pond	MA95112	3	3	None	--	Unchanged
Noquochoke Lake	MA95113	5	5	(Aquatic Plants (Macrophytes)*)	--	Unchanged
Noquochoke Lake	MA95113	5	5	(Fish Passage Barrier*)	--	Unchanged
Noquochoke Lake	MA95113	5	5	(Non-Native Aquatic Plants*)	--	Unchanged
Noquochoke Lake	MA95113	5	5	(Swollen Bladderwort*)	--	Unchanged
Noquochoke Lake	MA95113	5	5	Enterococcus	--	Unchanged
Noquochoke Lake	MA95113	5	5	Mercury in Fish Tissue	33880	Unchanged
Noquochoke Lake	MA95113	5	5	PCBs in Fish Tissue	--	Unchanged
Noquochoke Lake	MA95113	5	5	Turbidity	--	Unchanged
Noquochoke Lake	MA95170	5	5	(Aquatic Plants (Macrophytes)*)	--	Unchanged
Noquochoke Lake	MA95170	5	5	(Non-Native Aquatic Plants*)	--	Unchanged
Noquochoke Lake	MA95170	5	5	Mercury in Fish Tissue	33880	Unchanged
Noquochoke Lake	MA95170	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Noquochoke Lake	MA95170	5	5	PCBs in Fish Tissue	--	Unchanged
Noquochoke Lake	MA95170	5	5	Turbidity	--	Unchanged
Noquochoke Lake	MA95171	5	5	(Aquatic Plants (Macrophytes)*)	--	Unchanged
Noquochoke Lake	MA95171	5	5	(Non-Native Aquatic Plants*)	--	Unchanged
Noquochoke Lake	MA95171	5	5	Mercury in Fish Tissue	33880	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Noquochoke Lake	MA95171	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Noquochoke Lake	MA95171	5	5	PCBs in Fish Tissue	--	Unchanged
Noquochoke Lake	MA95171	5	5	Turbidity	--	Unchanged
Onset Bay	MA95-02	5	5	Estuarine Bioassessments	--	Unchanged
Onset Bay	MA95-02	5	5	Fecal Coliform	36172	Unchanged
Outer New Bedford Harbor	MA95-63	5	5	Dissolved Oxygen	--	Unchanged
Outer New Bedford Harbor	MA95-63	5	5	Enterococcus	36172	Unchanged
Outer New Bedford Harbor	MA95-63	5	5	Fecal Coliform	36172	Unchanged
Outer New Bedford Harbor	MA95-63	5	5	Nitrogen, Total	--	Unchanged
Outer New Bedford Harbor	MA95-63	5	5	PCBs in Fish Tissue	--	Unchanged
Outer Pocasset Harbor	MA95-110	--	5	Fecal Coliform	--	Added
Oyster Pond	MA95927	4a	4a	Dissolved Oxygen	34331	Unchanged
Oyster Pond	MA95927	4a	4a	Estuarine Bioassessments	34331	Unchanged
Parker Mills Pond	MA95115	5	5	(Aquatic Plants (Macrophytes)*)	--	Added
Parker Mills Pond	MA95115	5	5	(Non-Native Aquatic Plants*)	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Parker Mills Pond	MA95115	5	5	Dissolved Oxygen	--	Unchanged
Parker Mills Pond	MA95115	5	5	Escherichia Coli (E. Coli)	--	Added
Parker Mills Pond	MA95115	5	5	Phosphorus, Total	--	Unchanged
Parker Mills Pond	MA95115	5	5	Transparency / Clarity	--	Added
Paskamanset River	MA95-11	5	5	(Fish Passage Barrier*)	--	Unchanged
Paskamanset River	MA95-11	5	5	Combined Biota/Habitat Bioassessments	--	Unchanged
Paskamanset River	MA95-11	5	5	Dissolved Oxygen	--	Unchanged
Paskamanset River	MA95-11	5	5	Enterococcus	R1_MA_2024_04	Changed
Paskamanset River	MA95-11	5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04	Changed
Paskamanset River	MA95-11	5	5	Lead	--	Unchanged
Phinneys Harbor	MA95-15	4a	4a	Estuarine Bioassessments	35069	Unchanged
Phinneys Harbor	MA95-15	4a	4a	Fecal Coliform	36172	Unchanged
Phinneys Harbor	MA95-15	4a	4a	Nitrogen, Total	35069	Unchanged
Pine Island Pond	MA95-114	--	5	Fecal Coliform	--	Added
Pocasset Harbor	MA95-17	5	5	Dissolved Oxygen	--	Unchanged
Pocasset Harbor	MA95-17	5	5	Estuarine Bioassessments	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Pocasset Harbor	MA95-17	5	5	Fecal Coliform	36172	Unchanged
Pocasset Harbor	MA95-17	5	5	Nitrogen, Total	--	Unchanged
Pocasset River	MA95-16	5	5	Dissolved Oxygen	--	Unchanged
Pocasset River	MA95-16	5	5	Fecal Coliform	36172	Unchanged
Queen Sewell Pond	MA95180	5	5	Harmful Algal Blooms	--	Unchanged
Quissett Harbor	MA95-25	4a	4a	Estuarine Bioassessments	R1_MA_2018_03	Unchanged
Quissett Harbor	MA95-25	4a	4a	Fecal Coliform	36172	Unchanged
Quissett Harbor	MA95-25	4a	4a	Nitrogen, Total	R1_MA_2018_03	Unchanged
Quissett Harbor	MA95-25	4a	4a	Nutrient/Eutrophication Biological Indicators	R1_MA_2018_03	Unchanged
Rands Harbor	MA95-78	5	4a	Estuarine Bioassessments	R1_EPA_MA_01	Unchanged
Rands Harbor	MA95-78	5	4a	Fecal Coliform	R1_MA_2024_04	Changed
Rands Harbor	MA95-78	5	4a	Nitrogen, Total	R1_EPA_MA_01	Unchanged
Rands Harbor	MA95-78	5	4a	Nutrient/Eutrophication Biological Indicators	R1_EPA_MA_01	Unchanged
Red Brook	MA95-112	--	3	None	--	Unchanged
Red Brook	MA95-74	2	2	None	--	Unchanged
Red Brook Harbor	MA95-18	5	5	Estuarine Bioassessments	--	Unchanged
Red Brook Harbor	MA95-18	5	5	Fecal Coliform	36172	Unchanged
Red Brook Harbor	MA95-18	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Red Brook Pond	MA95-96256	4c	4c	(Fish Passage Barrier*)	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Rocky Meadow Brook Pond	MA95118	3	3	None	--	Unchanged
Rocky Pond	MA95179	3	3	None	--	Unchanged
Round Pond	MA95123	3	3	None	--	Unchanged
Salters Point Pond	MA95-106	5	5	Dissolved Oxygen	--	Unchanged
Salters Point Pond	MA95-106	5	5	Nitrogen, Total	--	Unchanged
Salters Point Pond	MA95-106	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
Sampson Pond	MA95125	5	5	(Asian Clam*)	--	Unchanged
Sampson Pond	MA95125	5	5	(Fanwort*)	--	Unchanged
Sampson Pond	MA95125	5	5	(Non-Native Aquatic Plants*)	--	Unchanged
Sampson Pond	MA95125	5	5	(Swollen Bladderwort*)	--	Unchanged
Sampson Pond	MA95125	5	5	DDT in Fish Tissue	--	Unchanged
Sampson Pond	MA95125	5	5	Mercury in Fish Tissue	--	Unchanged
Sand Pond	MA95127	3	3	None	--	Unchanged
Sandy Pond	MA95128	3	3	None	--	Unchanged
Shell Point Bay	MA95-94	5	5	Fecal Coliform	--	Unchanged
Shingle Island River	MA95-12	5	4a	Enterococcus	R1_MA_2024_04	Changed
Sippican Harbor	MA95-100	2	2	None	--	Unchanged
Sippican Harbor	MA95-69	5	5	Estuarine Bioassessments	--	Unchanged
Sippican River	MA95-06	5	5	Chlorophyll-a	--	Unchanged
Sippican River	MA95-06	5	5	Dissolved Oxygen	--	Unchanged
Sippican River	MA95-06	5	5	Enterococcus	R1_MA_2024_04	Changed

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Sippican River	MA95-06	5	5	Transparency / Clarity	--	Added
Sippican River	MA95-07	4a	4a	Fecal Coliform	36172	Unchanged
Slocums River	MA95-34	4a	4a	Dissolved Oxygen	R1_MA_2020_01	Unchanged
Slocums River	MA95-34	4a	4a	Estuarine Bioassessments	R1_MA_2020_01	Unchanged
Slocums River	MA95-34	4a	4a	Fecal Coliform	36172	Unchanged
Slocums River	MA95-34	4a	4a	Nitrogen, Total	R1_MA_2020_01	Unchanged
Slocums River	MA95-34	4a	4a	Nutrient/Eutrophication Biological Indicators	R1_MA_2020_01	Unchanged
Snell Creek	MA95-44	4a	4a	Enterococcus	36170	Unchanged
Snell Creek	MA95-44	4a	4a	Escherichia Coli (E. Coli)	36170	Unchanged
Snell Creek	MA95-44	4a	4a	Fecal Coliform	36170	Unchanged
Snell Creek	MA95-45	4a	4a	Enterococcus	36170	Unchanged
Snell Creek	MA95-45	4a	4a	Escherichia Coli (E. Coli)	36170	Unchanged
Snell Creek	MA95-45	4a	4a	Fecal Coliform	36170	Unchanged
Snell Creek	MA95-59	4a	4a	Fecal Coliform	36172	Unchanged
Snipatuit Pond	MA95137	4a	4a	(Fanwort*)	--	Unchanged
Snipatuit Pond	MA95137	4a	4a	Mercury in Fish Tissue	33880	Unchanged
South Meadow Brook Pond	MA95139	3	3	None	--	Unchanged
South Meadow Pond	MA95140	3	3	None	--	Unchanged
Southwest Atwood Bog Pond	MA95141	3	3	None	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Spectacle Pond	MA95142	3	3	None	--	Unchanged
Squeteague Harbor	MA95-55	5	5	Fecal Coliform	--	Unchanged
Squeteague Harbor	MA95-55	5	5	Nutrient/Eutrophication Biological Indicators	R1_MA_2020_07	Unchanged
The Let	MA95-88	5	5	Estuarine Bioassessments	R1_MA_2017_03P	Unchanged
Three Cornered Pond	MA95145	3	3	None	--	Unchanged
Tihonet Pond	MA95146	5	5	(Fish Passage Barrier*)	--	Unchanged
Tihonet Pond	MA95146	5	5	Dissolved Oxygen	--	Unchanged
Tinkham Pond	MA95148	4c	4c	(Fish Passage Barrier*)	--	Unchanged
Turner Pond	MA95151	5	5	(Fish Passage Barrier*)	--	Unchanged
Turner Pond	MA95151	5	5	(Swollen Bladderwort*)	--	Unchanged
Turner Pond	MA95151	5	5	Enterococcus	--	Unchanged
Turner Pond	MA95151	5	5	Mercury in Fish Tissue	33880	Unchanged
Union Pond	MA95152	3	3	None	--	Unchanged
Unnamed Tributary	MA95-101	4c	4c	(Fish Passage Barrier*)	--	Unchanged
Unnamed Tributary	MA95-102	4c	4c	(Fish Passage Barrier*)	--	Unchanged
Unnamed Tributary	MA95-113	--	5	Fecal Coliform	--	Added
Unnamed Tributary	MA95-57	3	3	None	--	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Unnamed Tributary	MA95-75	5	5	Escherichia Coli (E. Coli)	--	Unchanged
Unnamed Tributary	MA95-75	5	5	Temperature	--	Unchanged
Unnamed Tributary	MA95-80	2	2	None	--	Unchanged
Unnamed Tributary	MA95-81	3	3	None	--	Unchanged
Unnamed Tributary	MA95-84	2	2	None	--	Unchanged
Unnamed Tributary	MA95-91	3	3	None	--	Unchanged
Unnamed Tributary	MA95-92	3	3	None	--	Unchanged
Unnamed Tributary	MA95-98	2	2	None	--	Unchanged
Unnamed Tributary	MA95-99	2	2	None	--	Unchanged
Vaughn Pond	MA95153	3	3	None	--	Unchanged
Wankinco River	MA95-103	4c	4c	(Fish Passage Barrier*)	--	Unchanged
Wankinco River	MA95-50	4a	4a	Fecal Coliform	36172	Unchanged
Wankinco River	MA95-85	3	3	None	--	Unchanged
Wankinco River	MA95-86	4c	4c	(Fish Passage Barrier*)	--	Unchanged
Wareham River	MA95-03	5	4a	Chlorophyll-a	R1_MA_2024_02	Changed
Wareham River	MA95-03	5	4a	Estuarine Bioassessments	R1_MA_2024_02	Changed

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Wareham River	MA95-03	5	4a	Fecal Coliform	36172	Unchanged
Wareham River	MA95-03	5	4a	Nitrogen, Total	R1_MA_2024_02	Changed
Wenham Pond	MA95158	2	2	None	--	Unchanged
West Branch Westport River	MA95-37	4a	4a	Estuarine Bioassessments	67641	Unchanged
West Branch Westport River	MA95-37	4a	4a	Fecal Coliform	36172	Unchanged
West Branch Westport River	MA95-37	4a	4a	Nitrogen, Total	67641	Unchanged
West Branch Westport River	MA95-37	4a	4a	Nutrient/Eutrophication Biological Indicators	67641	Unchanged
West Falmouth Harbor	MA95-22	5	4a	Estuarine Bioassessments	34332, 34328	Unchanged
West Falmouth Harbor	MA95-22	5	4a	Fecal Coliform	36172	Unchanged
West Falmouth Harbor	MA95-22	5	4a	Nitrogen, Total	34332, 34918, 34917, 34328	Unchanged
West Falmouth Harbor	MA95-22	5	4a	Nutrient/Eutrophication Biological Indicators	34328	Changed
Westport River	MA95-54	4a	4a	Fecal Coliform	36172	Unchanged
Weweantic River	MA95-04	5	4a	(Fish Passage Barrier*)	--	Unchanged
Weweantic River	MA95-04	5	4a	(Non-Native Aquatic Plants*)	--	Unchanged
Weweantic River	MA95-04	5	4a	Enterococcus	R1_MA_2024_04	Changed
Weweantic River	MA95-05	5	5	Dissolved Oxygen	--	Unchanged
Weweantic River	MA95-05	5	5	Enterococcus	36172	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Weweantic River	MA95-05	5	5	Estuarine Bioassessments	--	Unchanged
Weweantic River	MA95-05	5	5	Fecal Coliform	36172	Unchanged
Weweantic River	MA95-05	5	5	Nitrogen, Total	--	Unchanged
Weweantic River	MA95-05	5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
White Island Pond, East Basin	MA95166	4c	4c	(Curly-leaf Pondweed*)	--	Unchanged
White Island Pond, East Basin	MA95166	4c	4c	(Eurasian Water Milfoil, Myriophyllum Spicatum*)	--	Unchanged
White Island Pond, East Basin	MA95166	4c	4c	(Fanwort*)	--	Unchanged
White Island Pond, East Basin	MA95166	4c	4c	(Swollen Bladderwort*)	--	Unchanged
White Island Pond, West Basin	MA95173	4c	4c	(Brittle Naiad, Najas Minor*)	--	Unchanged
White Island Pond, West Basin	MA95173	4c	4c	(Curly-leaf Pondweed*)	--	Unchanged
White Island Pond, West Basin	MA95173	4c	4c	(Fanwort*)	--	Unchanged
Whites Pond	MA95168	3	3	None	--	Unchanged
Wild Harbor	MA95-20	4a	4a	Estuarine Bioassessments	R1_EPA_MA_04	Unchanged
Wild Harbor	MA95-20	4a	4a	Fecal Coliform	36172	Unchanged
Wild Harbor	MA95-20	4a	4a	Nitrogen, Total	R1_EPA_MA_04	Unchanged

Waterbody	AU_ID	AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
Wild Harbor	MA95-20	4a	4a	Nutrient/Eutrophication Biological Indicators	R1_EPA_MA_04	Unchanged
Wild Harbor River	MA95-68	4a	4a	Fecal Coliform	36172, R1_MA_2024_04	Unchanged
Wild Harbor River	MA95-68	4a	4a	Nutrient/Eutrophication Biological Indicators	R1_EPA_MA_04	Unchanged
Wings Cove	MA95-105	5	5	Estuarine Bioassessments	--	Unchanged
Wings Cove	MA95-105	5	5	Fecal Coliform	--	Unchanged
Wings Cove	MA95-105	5	5	Nitrogen, Total	--	Unchanged

"Inner" Sippican Harbor (MA95-70)

Location:	The waters landward of a line from Allen Point, Marion around the southeastern tip of Ram Island, then westerly from the southern tip of Ram Island to the point of land south of Nyes Wharf, Marion excluding Hammett Cove (formerly part of 2006 segment: Sippican Harbor MA95-08).
AU Type:	ESTUARY
AU Size:	0.57 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nitrogen, Total	--	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Source Unknown (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	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 "Inner" Sippican Harbor (MA95-70) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
"Inner" Sippican Harbor (MA95-70): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.5571 sq mi (98%). The approved shellfish growing area represents 0.1314 sq mi (23%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB32.0	Sippican Outer Harbor	Approved	0.09519	16.7%
BB32.01	Point Road/Hammett's Cove	Approved	0.03617	6.3%
BB32.11	57 Water Street	Prohibited	0.00067	0.1%
BB32.13	Sippican Inner Harbor Mooring Area	Conditionally Approved	0.40524	71.0%
BB32.15	Burr Brothers Boat Yard	Prohibited	0.01226	2.1%
BB32.6	Barden's Boat Yard	Prohibited	0.00667	1.2%
BB32.9	Holmes Brook	Prohibited	0.00088	0.2%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for "Inner" Sippican Harbor (MA95-70) 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 "Inner" Sippican Harbor (MA95-70) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for 3 beaches on "Inner" Sippican Harbor i.e. Beverly Yacht [Beach ID: 5221], Island Wharf [Beach ID: 2944] and Tabor Academy [Beach ID: 2950] beaches in Marion, indicated that these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.5571 sq mi) in this AU are less than 100% approved (0.1314 sq mi, 23%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of "Inner" Sippican Harbor.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
5221	Beverly Yacht/ Marion	41.70343, -70.75940	41.70342, -70.75930	0%	0%	0%	8%	0%	0%	0%	0%	0%	0
2944	Island Wharf/ Marion	41.70519, -70.76110	41.70478, -70.76100	2%	0%	1%	0%	0%	0%	0%	0%	0%	0
2950	Tabor Academy/ Marion	41.70808, -70.76450	41.70770, -70.76420	0%	0%	1%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
"Inner" Sippican Harbor (MA95-70): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.5571 sq mi (98%). The approved shellfish growing area represents 0.1314 sq mi (23%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for “Inner” Sippican Harbor (MA95-70) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for 3 beaches on “Inner” Sippican Harbor i.e. Beverly Yacht [Beach ID: 5221], Island Wharf [Beach ID: 2944] and Tabor Academy [Beach ID: 2950] beaches in Marion, indicated that these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.5571 sq mi) in this AU are less than 100% approved (0.1314 sq mi, 23%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of “Inner” Sippican Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
"Inner" Sippican Harbor (MA95-70): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.5571 sq mi (98%). The approved shellfish growing area represents 0.1314 sq mi (23%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Abner Pond (MA95001)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	9 ACRES
Classification/Qualifier:	B

No usable data were available for Abner Pond (MA95001) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

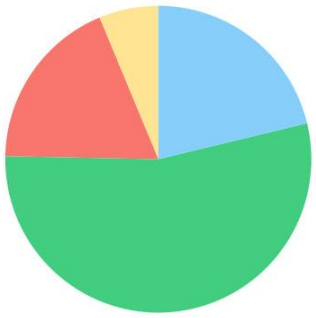
AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

Acushnet River (MA95-31)

Location:	Headwaters, outlet New Bedford Reservoir, Acushnet to Hamlin Street culvert, Acushnet.
AU Type:	RIVER
AU Size:	2.9 MILES
Classification/Qualifier:	B: WWF, HQW

Acushnet River (MA95-31)

Watershed Area: 15.86 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	15.86	9.09	5.65	2.64
Agriculture	6.3%	6.1%	10.1%	8.8%
Developed	18.4%	20.8%	11.7%	14.8%
Natural	54.1%	52%	48.6%	49.5%
Wetland	21.2%	21.1%	29.6%	27%
Impervious	6%	6.6%	3.7%	4.1%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Enterococcus	36170	Unchanged
5	5	Escherichia Coli (E. Coli)	36170	Unchanged
5	5	Fecal Coliform	36170	Unchanged

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

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Enterococcus	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	--
Enterococcus	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (N)	--	--	--	X	--
Enterococcus	Unspecified Urban Stormwater (N)	--	--	--	X	--
Escherichia Coli (E. Coli)	Agriculture (N)	--	--	--	X	--
Escherichia Coli (E. Coli)	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	--
Escherichia Coli (E. Coli)	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (N)	--	--	--	X	--
Escherichia Coli (E. Coli)	Unspecified Urban Stormwater (N)	--	--	--	X	--
Fecal Coliform	Agriculture (N)	--	--	--	X	--
Fecal Coliform	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	--
Fecal Coliform	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (N)	--	--	--	X	--
Fecal Coliform	Unspecified Urban Stormwater (N)	--	--	--	X	--

Recommendations

2024/26 Recommendations
2024IR [*E. coli,* Low] Follow-up monitoring should be conducted in Acushnet River (MA95-31) to determine if *E. coli* is impairing the Recreational Uses. High frequency sampling for *E. coli* should be conducted throughout the AU at the three historical stations {W1382}, {W2644}, and {W1381}. *Enterococcus* data collected at W2644 in 2019 is indicative of impairment. The Acushnet River was originally listed for *E. coli* during the 2016IR cycle as a result of elevated concentrations at the downstream end of the AU (Station W1381 @ Hamlin Street, Acushnet) in 2005, as well as in reference to the long standing historical Fecal Coliform impairment. Current *E. coli* data in the upstream of the AU meets CALM guidance. This is of low priority; 2024 IR [Turbidity, low] Additional monitoring is recommended at Leonard Street, Acushnet {W1382}due to three observations of moderate turbidity in 2016.

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 Acushnet River (MA95-31) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	YES

2024/26 Use Attainment Summary
The Aesthetics Use for Acushnet River (MA95-31) is assessed as Fully Supporting based on the general lack of objectionable conditions noted by MassDEP staff during the summer of 2016. An Alert is being identified due to observations of moderate turbidity at Leonard Street. MassDEP staff recorded aesthetics observations as part of the Bacteria Source Tracking (BST) project in summer 2016 at two stations for this Acushnet River AU; close to the upstream end of the AU on Leonard Street, Acushnet (W1382, n=3) and halfway down the AU at the unnamed road crossing ~5500 feet south of Leonard Street (W2644, n=3). There were generally no noted objectionable conditions (odors, deposits, growths) recorded by MassDEP field sampling crews at either site, although there were three observations of moderate turbidity at W1382.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1382	MassDEP	Water Quality	Acushnet River	[Leonard Street, Acushnet]	41.724499	-70.897769
W2644	MassDEP	Water Quality	Acushnet River	[unnamed road crossing approximately 5500 feet south of Leonard Street, Acushnet]	41.713055	-70.903629

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W1382	2016	3	2	0
W2644	2016	3	3	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W1382	Acushnet River	2016	Aquatic Plant Density, Overall	Moderate	1	3
W1382	Acushnet River	2016	Aquatic Plant Density, Overall	Sparse	2	3
W1382	Acushnet River	2016	Color	None	3	3
W1382	Acushnet River	2016	Odor	None	3	3
W1382	Acushnet River	2016	Periphyton Density, Filamentous	None	2	3
W1382	Acushnet River	2016	Periphyton Density, Filamentous	Unobservable	1	3
W1382	Acushnet River	2016	Periphyton Density, Film	Sparse	2	3
W1382	Acushnet River	2016	Periphyton Density, Film	Unobservable	1	3
W1382	Acushnet River	2016	Turbidity	Moderately Turbid	3	3
W2644	Acushnet River	2016	Aquatic Plant Density, Overall	Moderate	1	3
W2644	Acushnet River	2016	Aquatic Plant Density, Overall	None	1	3
W2644	Acushnet River	2016	Aquatic Plant Density, Overall	Sparse	1	3
W2644	Acushnet River	2016	Color	None	3	3
W2644	Acushnet River	2016	Odor	Musty (Basement)	1	3

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2644	Acushnet River	2016	Odor	None	2	3
W2644	Acushnet River	2016	Periphyton Density, Filamentous	None	2	3
W2644	Acushnet River	2016	Periphyton Density, Filamentous	Sparse	1	3
W2644	Acushnet River	2016	Periphyton Density, Film	Moderate	2	3
W2644	Acushnet River	2016	Periphyton Density, Film	Sparse	1	3
W2644	Acushnet River	2016	Turbidity	Moderately Turbid	1	3
W2644	Acushnet River	2016	Turbidity	Slightly Turbid	2	3

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the Acushnet River (MA95-31) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on bacteria data not meeting the threshold at 1 station in 2019. The prior *Escherichia coli (E. coli)* and Fecal Coliform impairments are also being carried forward. MassDEP and UMass - Dartmouth (UMassD) staff/volunteers collected *E. coli* (EC) and *Enterococcus* (Ent) bacteria samples in this Acushnet River AU from 2016-2019 at 3 stations/combined stations. Samples were collected from the following stations/sample years from upstream to downstream: close to the upstream end of the AU at W1382 [Leonard St, Acushnet] in 2016 just for *E. coli* (EC n=3) and combined station MassDEP_W1382 & UMassD_3 [Leonard St, Acushnet] in 2019 just for *Enterococcus* (Ent n=16), then also halfway down the AU at W2644 [unnamed Rd crossing ~5500 ft S of Leonard St, Acushnet] in 2016 (EC n=3). Analysis of the single year high frequency *Enterococcus* dataset from combined station MassDEP_W1382 & UMassD_3 indicated 92% of intervals had GMs >35 CFU/100ml and 25% of samples exceeded the 130 CFU/100ml STV, which is indicative of an *Enterococcus* impairment. Analysis of the single year limited frequency *E. coli* datasets from W1382 & W2644 indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV and the seasonal GM's were 118 and 99 CFU/100ml respectively. While this analysis indicates that *E. coli* concentrations at these two stations in 2016 meet 2024 CALM guidance, the *E. coli* impairment will not be removed from the Acushnet River at this time. The Acushnet River (MA95-31) was originally listed for *E. coli* during the 2016IR cycle as a result of elevated concentrations at the downstream end of the AU (Station W1381 @ Hamlin Street, Acushnet) in 2005, as well as in reference to the long standing historical Fecal Coliform impairment (MassDEP Undated 8). Since the 2016 *E. coli* data was not collected at the downstream end of the AU and the *Enterococcus* concentrations in 2019 are still clearly indicative of a bacteria impairment, it is clear there is not enough evidence to delist the *E. coli* impairment. Recommendations will be made to conduct additional high frequency sampling for *E. coli* throughout this AU including at Hamlin Street, to determine if the *E. coli* impairment could be removed in the future.

Monitoring Stations

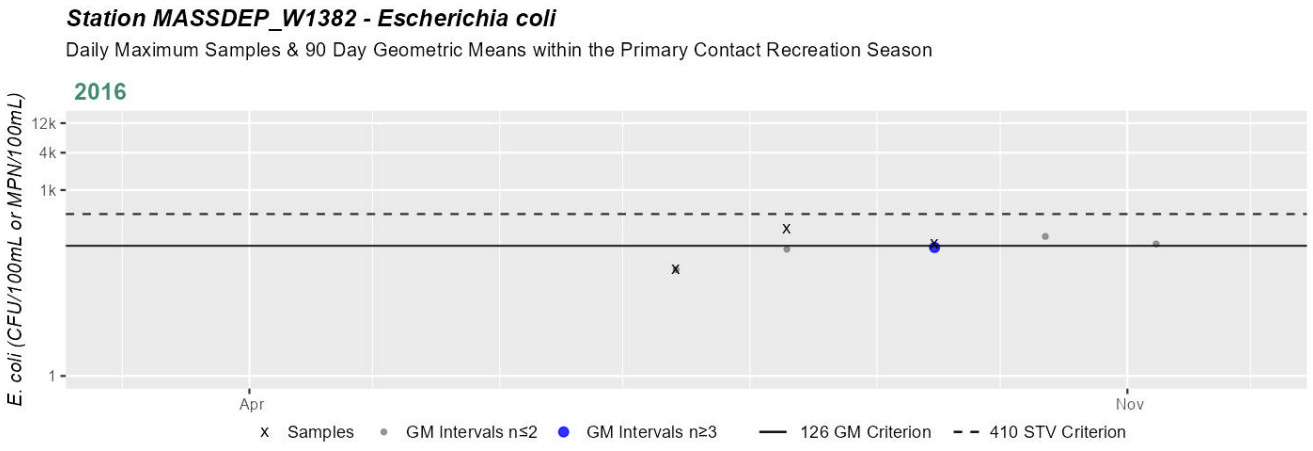
Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1382	MassDEP	Water Quality	Acushnet River	[Leonard Street, Acushnet]	41.724499	-70.897769
W2644	MassDEP	Water Quality	Acushnet River	[unnamed road crossing approximately 5500 feet south of Leonard Street, Acushnet]	41.713055	-70.903629
UMassD_3	UMass - Dartmouth	Water Quality	Acushnet River Upstream	216 Leonard Street, Acushnet	41.724418	-70.897757

Bacteria Data

Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (MassDEP Undated 5) (UMass-Dartmouth 2019) (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
W1382	MassDEP	E. coli	07/13/16	09/14/16	3	52	236	118
W2644	MassDEP	E. coli	07/13/16	09/14/16	3	33	387	99
UMassD_3	Umass - Dartmouth	Enterococci	06/13/19	09/23/19	16	1	359	58



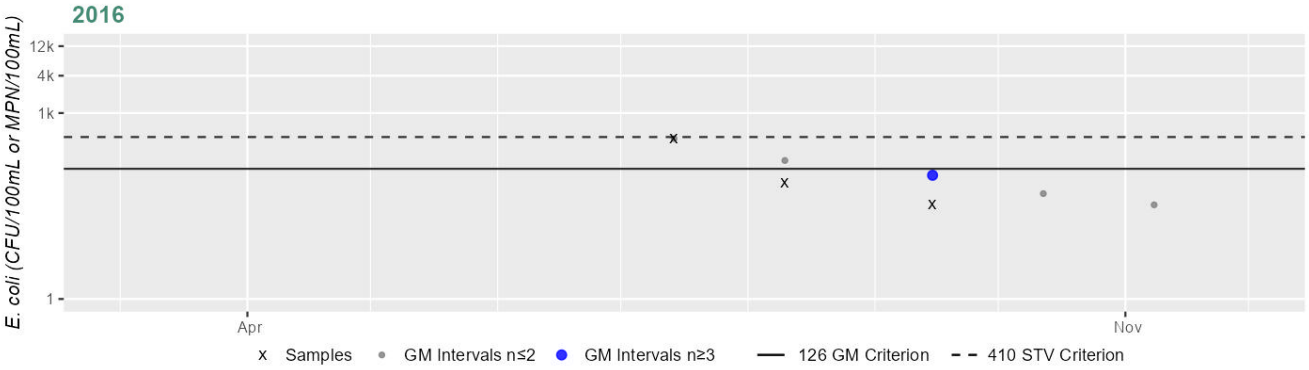
Variable*	Result
Samples	3
SeasGM	118
#GMI	1
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2644 - Escherichia coli

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



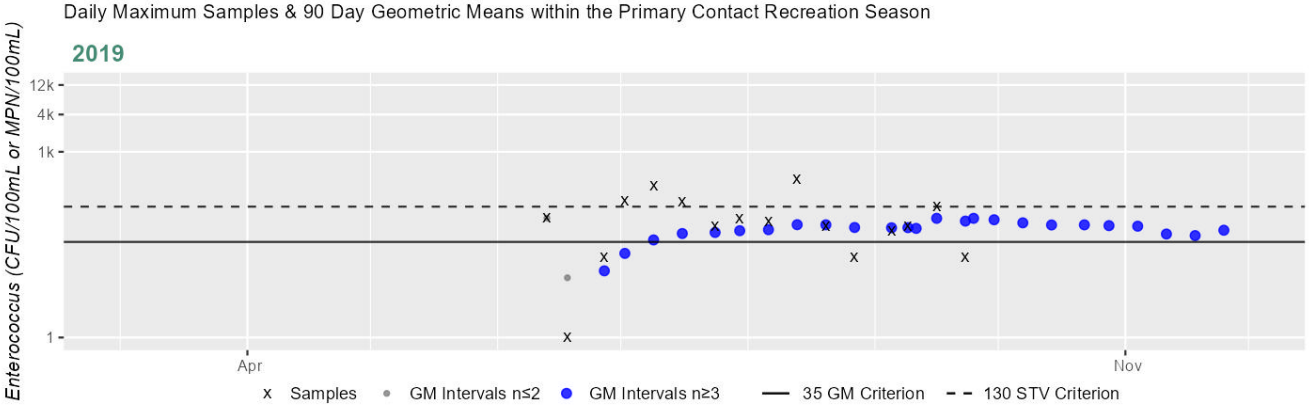
Variable*	Result
Samples	3
SeasGM	99
#GMI	1
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1382 & UMassD_3 - Enterococcus

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



Variable*	Result
Samples	16
SeasGM	58
#GMI	26
#GMI Ex	24
%GMI Ex	92%
n>STV	4
%n>STV	25%

Cumulative %GMI Exceedance
Current (2011-2022)
92%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for the Acushnet River (MA95-31) 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 the Acushnet River from 2005-2016 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: close to the upstream end of the AU at W1382 [Leonard St, Acushnet] from May-Sep 2005 (historic n=6) and Jul-Sep 2016 (current n=3), halfway down the AU at W2644 [unnamed Rd crossing ~5500 ft S of Leonard St, Acushnet] from Jul-Sep 2016 (n=3) and the downstream end of the AU at W1381 [Hamlin St, Acushnet] from May-Sep 2005 (n=5). Since the historic data was inconclusive (some concentrations >STV but with GM's below the threshold) only the current IR window data will be discussed here: Analysis of the single year limited frequency *E. coli* dataset from W1382 & W2644 indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM's were 118 & 99 CFU/100ml respectively, which meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1381	MassDEP	Water Quality	Acushnet River	[Hamlin Street, Acushnet]	41.696277	-70.914175
W1382	MassDEP	Water Quality	Acushnet River	[Leonard Street, Acushnet]	41.724499	-70.897769
W2644	MassDEP	Water Quality	Acushnet River	[unnamed road crossing approximately 5500 feet south of Leonard Street, Acushnet]	41.713055	-70.903629

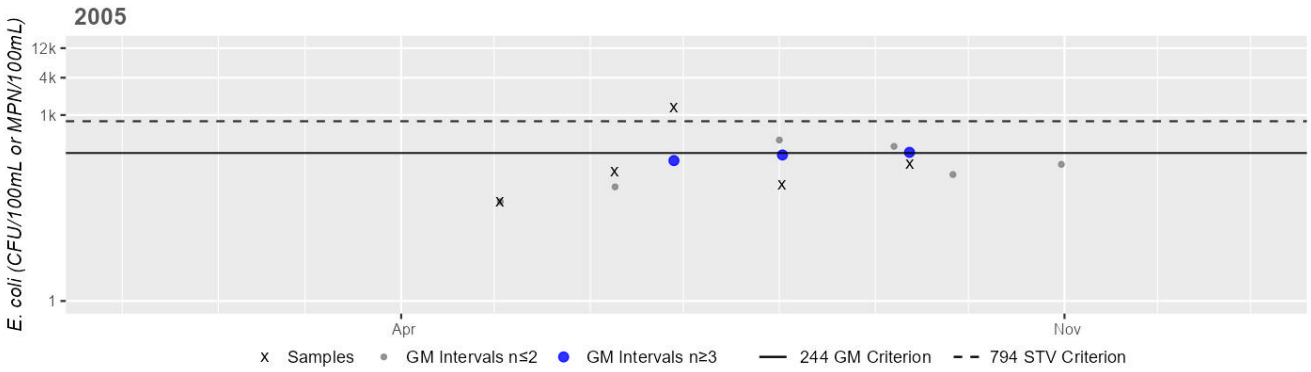
Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (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
W1381	MassDEP	E. coli	05/03/05	09/12/05	5	40	1300	149
W1382	MassDEP	E. coli	05/03/05	09/12/05	6	5	1600	90
W1382	MassDEP	E. coli	07/13/16	09/14/16	3	52	236	118
W2644	MassDEP	E. coli	07/13/16	09/14/16	3	33	387	99

Station MASSDEP_W1381 - Escherichia coli

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



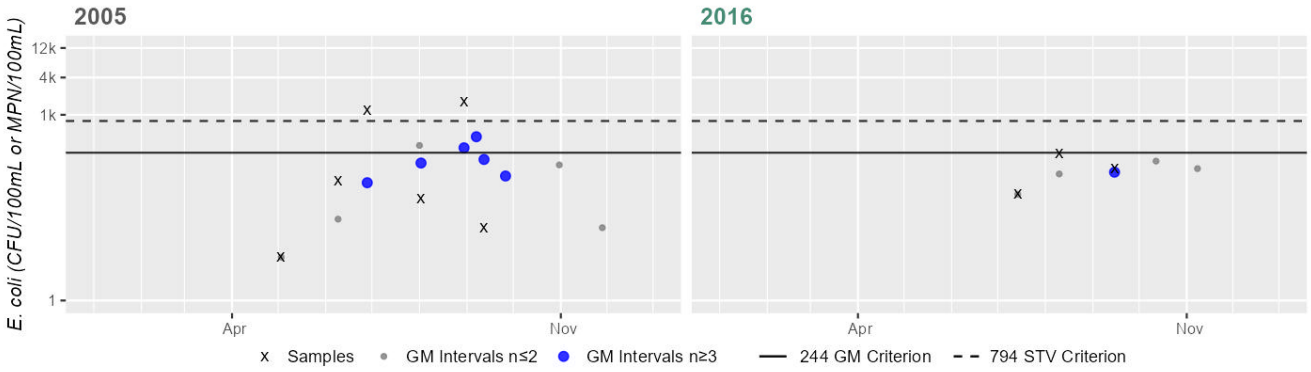
Variable*	Result
Samples	5
SeasGM	149
#GMI	3
#GMI Ex	1
%GMI Ex	33%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Historic (1997-2010)
33%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1382 - Escherichia coli

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



Variable*	Result
Samples	6
SeasGM	90
#GMI	6
#GMI Ex	2
%GMI Ex	33%
n>STV	2
%n>STV	33%

Cumulative %GMI Exceedance
Historic (1997-2010)
33%

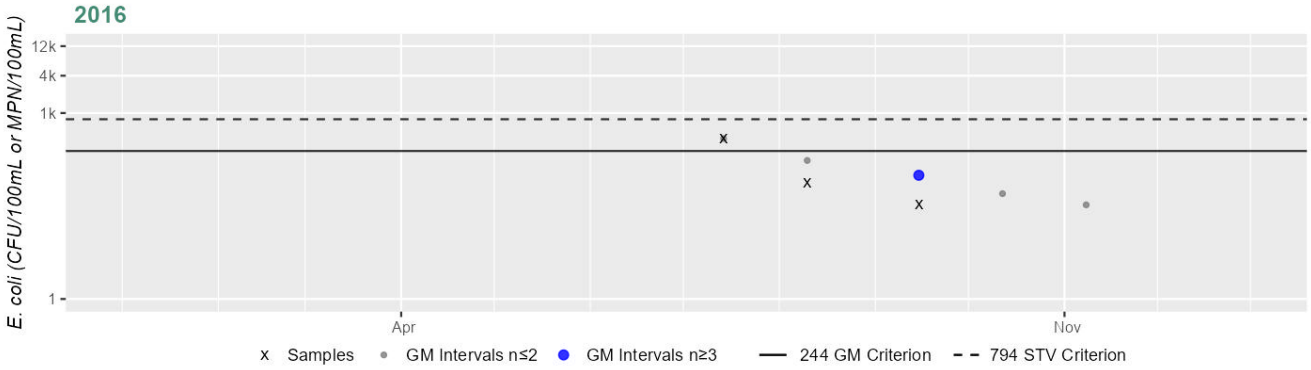
Variable*	Result
Samples	3
SeasGM	118
#GMI	1
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2644 - Escherichia coli

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



Variable*	Result
Samples	3
SeasGM	99
#GMI	1
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

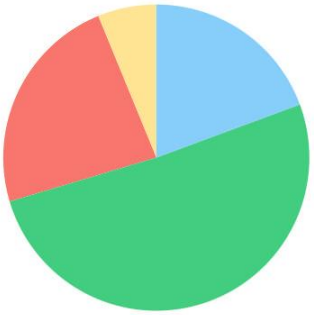
**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes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

Acushnet River (MA95-32)

Location:	Hamlin Street culvert, Acushnet to culvert at Main Street, Acushnet.
AU Type:	RIVER
AU Size:	1.1 MILES
Classification/Qualifier:	B: WWF, HQW

Acushnet River (MA95-32)

Watershed Area: 18.18 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	18.18	8.35	6.30	2.43
Agriculture	6.2%	4.8%	10.1%	7.3%
Developed	23.4%	31.1%	13.6%	17.7%
Natural	51%	45.8%	48%	47.8%
Wetland	19.4%	18.3%	28.4%	27.2%
Impervious	9%	12.6%	4.7%	5.8%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Benthic Macroinvertebrates	--	Unchanged
5	5	Dissolved Oxygen	--	Unchanged
5	5	Enterococcus	36170	Unchanged
5	5	Escherichia Coli (E. Coli)	36170	Unchanged
5	5	Fecal Coliform	36170	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Benthic Macroinvertebrates	Source Unknown (N)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Enterococcus	Combined Sewer Overflows (N)	--	--	--	X	--
Enterococcus	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	--
Escherichia Coli (E. Coli)	Combined Sewer Overflows (N)	--	--	--	X	X
Escherichia Coli (E. Coli)	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	X
Fecal Coliform	Combined Sewer Overflows (N)	--	--	--	X	X
Fecal Coliform	Discharges from Municipal Separate Storm Sewer Systems (MS4) (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 Acushnet River (MA95-32) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Aesthetics Use for Acushnet River (MA95-32) is assessed as Fully Supporting based on the general lack of objectionable conditions noted by MassDEP staff at three sites in the summers of 2016 or 2018. MassDEP staff recorded aesthetics observations at three stations throughout in this Acushnet River AU as part of the Bacteria Source Tracking (BST) project, during the summers of 2016 and 2018, from up to downstream as follows: at the upstream end of the AU ~120 feet downstream of Hamlin Street in Acushnet (W2643, n=3 in 2016), close to the downstream end of the AU east of Mill Road, footbridge downstream of Saw Mill Pond outlet in Acushnet (W2840, n=2 in 2018) and farthest downstream just upstream at Tarkiln Hill Road/Main Street in New Bedford/Acushnet (W1380, n=2 in 2018). There were generally no noted objectionable conditions (odors, deposits, growths, or turbidity) recorded at any of the stations.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1380	MassDEP	Water Quality	Acushnet River	[just upstream at Tarkiln Hill Road/Main Street, New Bedford/Acushnet]	41.681954	-70.918931
W2643	MassDEP	Water Quality	Acushnet River	[approximately 120 feet downstream of Hamlin Street, Acushnet]	41.695883	-70.914314
W2840	MassDEP	Water Quality	Acushnet River	[east of Mill Road, footbridge downstream of Saw Mill Pond outlet, Acushnet]	41.684081	-70.918984

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W1380	2018	2	Aesthetic observations were made by MassDEP field sampling crews at Station W1380 on Acushnet River (MA95-32) during 2 site visits in Jul 2018. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2643	2016	3	Aesthetic observations were made by MassDEP field sampling crews at Station W2643 on Acushnet River (MA95-32) during 3 site visits between Jul 2016 and Sep 2016. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W2840	2018	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2840 on Acushnet River (MA95-32) during 2 site visits in Jul 2018. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).

Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W1380	2018	2	2	1
W2643	2016	3	3	0
W2840	2018	2	1	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W1380	Acushnet River	2018	Aquatic Plant Density, Overall	None	2	2
W1380	Acushnet River	2018	Color	None	2	2
W1380	Acushnet River	2018	Odor	Musty (Basement)	1	2
W1380	Acushnet River	2018	Odor	None	1	2
W1380	Acushnet River	2018	Periphyton Density, Filamentous	Moderate	1	2
W1380	Acushnet River	2018	Periphyton Density, Filamentous	Sparse	1	2
W1380	Acushnet River	2018	Periphyton Density, Film	Dense	1	2
W1380	Acushnet River	2018	Periphyton Density, Film	Sparse	1	2
W1380	Acushnet River	2018	Turbidity	None	1	2
W1380	Acushnet River	2018	Turbidity	Slightly Turbid	1	2
W2643	Acushnet River	2016	Aquatic Plant Density, Overall	Sparse	3	3
W2643	Acushnet River	2016	Color	None	3	3
W2643	Acushnet River	2016	Odor	None	3	3
W2643	Acushnet River	2016	Periphyton Density, Filamentous	None	2	3
W2643	Acushnet River	2016	Periphyton Density, Filamentous	Sparse	1	3
W2643	Acushnet River	2016	Periphyton Density, Film	Moderate	1	3
W2643	Acushnet River	2016	Periphyton Density, Film	Sparse	2	3
W2643	Acushnet River	2016	Turbidity	Slightly Turbid	3	3
W2840	Acushnet River	2018	Aquatic Plant Density, Overall	Sparse	2	2
W2840	Acushnet River	2018	Color	None	2	2
W2840	Acushnet River	2018	Odor	Musty (Basement)	1	2
W2840	Acushnet River	2018	Odor	None	1	2
W2840	Acushnet River	2018	Periphyton Density, Filamentous	Unobservable	2	2

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2840	Acushnet River	2018	Periphyton Density, Film	None	1	2
W2840	Acushnet River	2018	Periphyton Density, Film	Unobservable	1	2
W2840	Acushnet River	2018	Turbidity	Moderately Turbid	2	2

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the Acushnet River (MA95-32) continues to be assessed as Not Supporting. The prior *Escherichia coli (E. coli)* and *Enterococcus* impairments are being carried forward due to the presence of a CSO outfall. In addition, the *Enterococcus* impairment is being carried forward based on bacteria data not meeting the threshold at 1 station in 2019, and the *Escherichia coli (E. coli)* impairment is being carried forward based on bacteria data not meeting the threshold at 1 station in 2018. The prior Fecal Coliform impairment is also being carried forward. MassDEP and Umass - Dartmouth (UMassD) staff/volunteers collected *E. coli* (EC) and *Enterococcus* (Ent) bacteria samples in the Acushnet River from 2016-2019 at 4 stations. Samples were collected from the following stations/sample years from upstream to downstream: The upstream end of the AU at UMassD_4 [Hamlin St culvert, Acushnet] in 2019 (Ent n=16) and W2643 [~120 ft downstream of Hamlin St, Acushnet] in 2016 (EC n=3), close to the downstream end of the AU at W2840 [E of Mill Rd, footbridge downstream of Saw Mill Pond outlet, Acushnet] in 2018 (EC n=2), the downstream end of the AU at W1380 [just upstream at Tarkiln Hill Rd/Main St, New Bedford/Acushnet] in 2018 (EC n=2). Analysis of the single year limited frequency *E. coli* datasets from W2643 & W2840 indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV and the seasonal GM's were 29 & 16 CFU/100ml respectively, which meets 2024 CALM guidance. However, analysis of the single year limited frequency *E. coli* dataset from W1380 indicated 100% of intervals had GMs >126 CFU/100ml, 2 samples exceeded the 410 CFU/100ml STV (maximum 2,420 CFU) and the seasonal GM was 1,540 CFU/100ml. Also analysis of the single year high frequency *Enterococcus* dataset from UMassD_4 indicated 100% of intervals had GMs >35 CFU/100ml and 62% of samples exceeded the 130 CFU/100ml STV. While *E. coli* data from W2643 and W2840 meet 2024 CALM guidance, *E. coli* data from W1380 and *Enterococcus* data from UMassD_4 are indicative of *Escherichia coli (E. coli)* and *Enterococcus* impairments. MassDEP staff conducted Bacteria Source Tracking (BST) work in 2018. A hotspot area was noted downstream of Tarkiln Hill Rd and an odor of sewage was also sometimes detected on the wind at this site. There is a CSO outfall located just upstream of the sample location; however, it is unclear at this time whether this CSO is the source of bacteria to the area downstream of Tarkiln Hill Rd.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1380	MassDEP	Water Quality	Acushnet River	[just upstream at Tarkiln Hill Road/Main Street, New Bedford/Acushnet]	41.681954	-70.918931
W2643	MassDEP	Water Quality	Acushnet River	[approximately 120 feet downstream of Hamlin Street, Acushnet]	41.695883	-70.914314
W2840	MassDEP	Water Quality	Acushnet River	[east of Mill Road, footbridge downstream of Saw Mill Pond outlet, Acushnet]	41.684081	-70.918984
UMassD_4	UMass - Dartmouth	Water Quality	Acushnet River Downstream	Hamlin Street culvert, Acushnet	41.696021	-70.914240

Bacteria Data

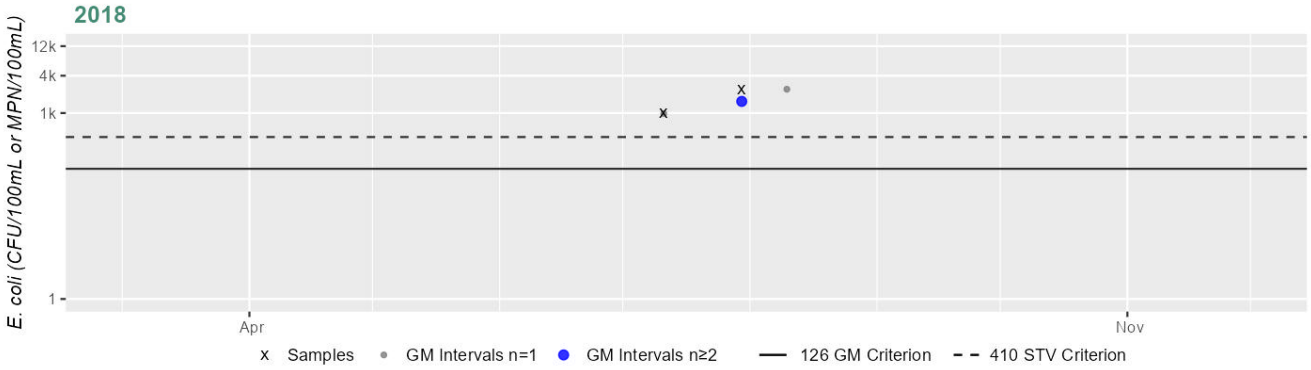
Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (30-day Interval Analysis) (MassDEP Undated 9) (MassDEP Undated 5) (UMass-Dartmouth 2019) (MassDEP Undated 3)

[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
W1380	MassDEP	E. coli	07/11/18	07/30/18	2	980	2420	1539
W2643	MassDEP	E. coli	07/13/16	09/14/16	3	11	152	29
W2840	MassDEP	E. coli	07/11/18	07/30/18	2	5	52	16
UMassD_4	Umass - Dartmouth	Enterococcus	06/13/19	09/23/19	16	23	2035	163

Station MASSDEP_W1380 - Escherichia coli

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



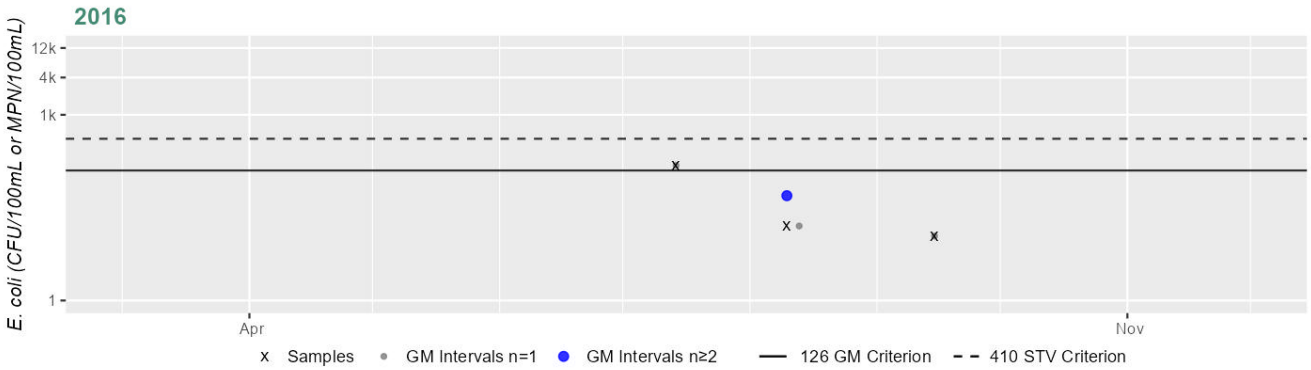
Variable*	Result
Samples	2
SeasGM	1540
#GMI	1
#GMI Ex	1
%GMI Ex	100%
n>STV	2
%n>STV	100%

Cumulative %GMI Exceedance
Current (2011-2022)
100%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2643 - Escherichia coli

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



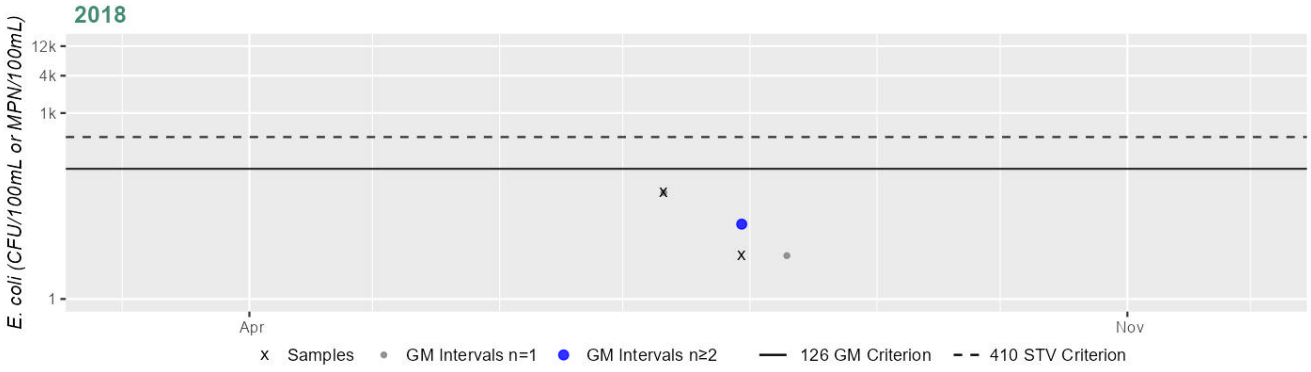
Variable*	Result
Samples	3
SeasGM	29
#GMI	1
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2840 - Escherichia coli

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



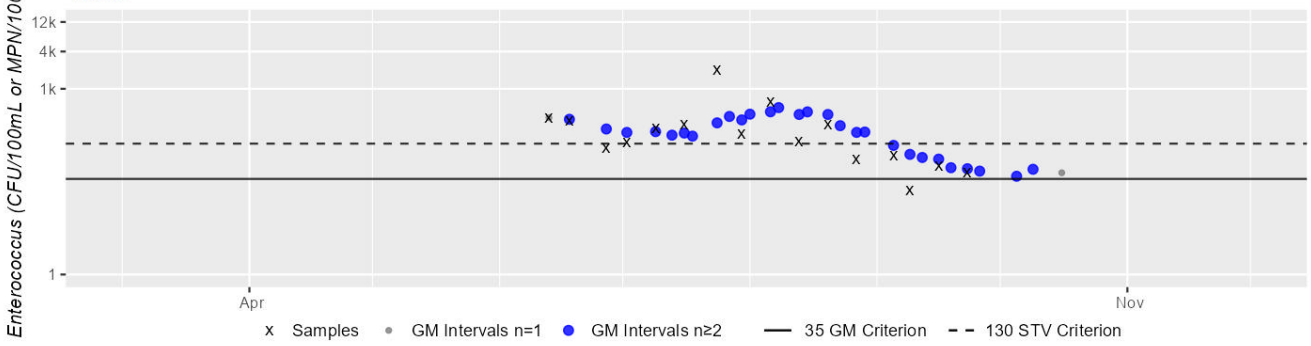
Variable*	Result
Samples	2
SeasGM	16
#GMI	1
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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 UMassD_4 - Enterococcus

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



Variable*	Result
Samples	16
SeasGM	163
#GMI	28
#GMI Ex	28
%GMI Ex	100%
n>STV	10
%n>STV	62%

Cumulative %GMI Exceedance
Current (2011-2022)
100%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Summary Statement for 2011-2019 MassDEP Bacteria Source Tracking (BST) Data (MassDEP Undated 1)

Summary
BST work was conducted in 2018 at 2 sites on the Acushnet River AU (MA95-32). A hotspot area was noted downstream of Tarkiln Hill Rd with a max *E. coli* concentration of 2,419.6MPN and an odor of sewage was also sometimes detected on the wind at this site. It should be noted that there is a CSO pipe located just upstream of the sample location. It is unclear at this time whether the CSO is the source of bacteria to the site downstream of Tarkiln Hill Rd.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for the Acushnet River (MA95-32) continues to be assessed as Not Supporting. The prior *Escherichia coli (E. coli)* impairment is being carried forward due to the presence of a CSO outfall and based on bacteria data not meeting the threshold at 1 station in 2005. The prior Fecal Coliform impairment is also being carried forward. MassDEP staff collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in this Acushnet River AU from 2005-2018 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: The upstream end of the AU at W2643 [~120 ft downstream of Hamlin St, Acushnet] from Jul-Sep 2016 (n=3), close to the downstream end of the AU at W2840 [E of Mill Rd, footbridge downstream of Saw Mill Pond outlet, Acushnet] from Jul 2018 (n=2), and the downstream end of the AU at W1380 [just upstream at Tarkiln Hill Rd/Main St, New Bedford/Acushnet] from May-Sep 2005 (historic n=6) and Jul 2018 (current n=2). Analysis of the single year limited frequency *E. coli* dataset from W2643 indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM was 29 CFU/100ml, which meets 2024 CALM guidance. The available *E. coli* data at both W2840 and W1380 in the current window (2018) are too limited to assess the Secondary Contact Recreation Use according to the 2024 CALM. However, it should be noted that at W1380 both the samples exceeded the 794 CFU/100ml STV, with a maximum concentration of 2,420 CFU/100ml. However, analysis of this historic single year limited frequency *E. coli* dataset from W1380 (in 2005) indicated 83% of intervals had GMs >244 CFU/100ml, 4 samples exceeded the 794 CFU/100ml STV and the overall GM was 489 CFU/100ml, which is indicative of an *E. coli* impairment. While recent data at the upstream end of the AU (W2643 in 2016) indicated generally good conditions, data from the historic window at the downstream end of the AU (W1380 in 2005), are indicative of an *Escherichia coli (E. coli)* impairment. Since there were poor water quality conditions in the historic window (1997-2010) but no recent data available to assess this same location in the current window (2011-2022), the Acushnet River AU (MA95-32) is assessed as Not Supporting. MassDEP staff conducted Bacteria Source Tracking (BST) work in 2018. A hotspot area was noted downstream of Tarkiln Hill Rd and an odor of sewage was also sometimes detected on the wind at this site. There is a CSO outfall located just upstream of the sample location; however, it is unclear at this time whether this CSO is the source of bacteria to the area downstream of Tarkiln Hill Rd.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1380	MassDEP	Water Quality	Acushnet River	[just upstream at Tarkiln Hill Road/Main Street, New Bedford/Acushnet]	41.681954	-70.918931
W2643	MassDEP	Water Quality	Acushnet River	[approximately 120 feet downstream of Hamlin Street, Acushnet]	41.695883	-70.914314
W2840	MassDEP	Water Quality	Acushnet River	[east of Mill Road, footbridge downstream of Saw Mill Pond outlet, Acushnet]	41.684081	-70.918984

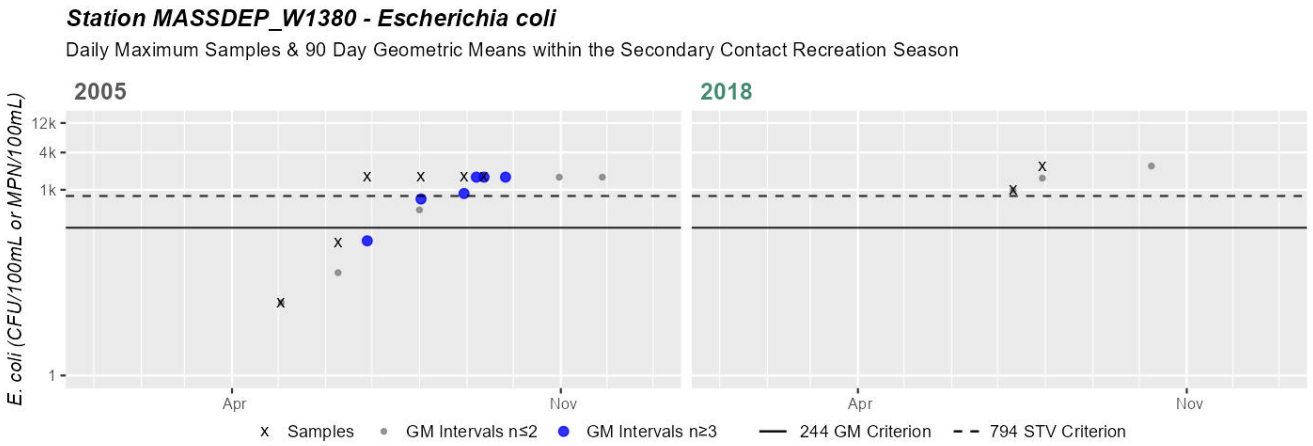
Bacteria Data

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

(MassDEP Undated 9) (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
W1380	MassDEP	E. coli	05/03/05	09/12/05	6	15	1600	489
W1380	MassDEP	E. coli	07/11/18	07/30/18	2	980	2420	1539
W2643	MassDEP	E. coli	07/13/16	09/14/16	3	11	152	29
W2840	MassDEP	E. coli	07/11/18	07/30/18	2	5	52	16



Variable*	Result
Samples	6
SeasGM	489
#GMI	6
#GMI Ex	5
%GMI Ex	83%
n>STV	4
%n>STV	66%

Variable*	Result
Samples	2
SeasGM	1540
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	2
%n>STV	100%

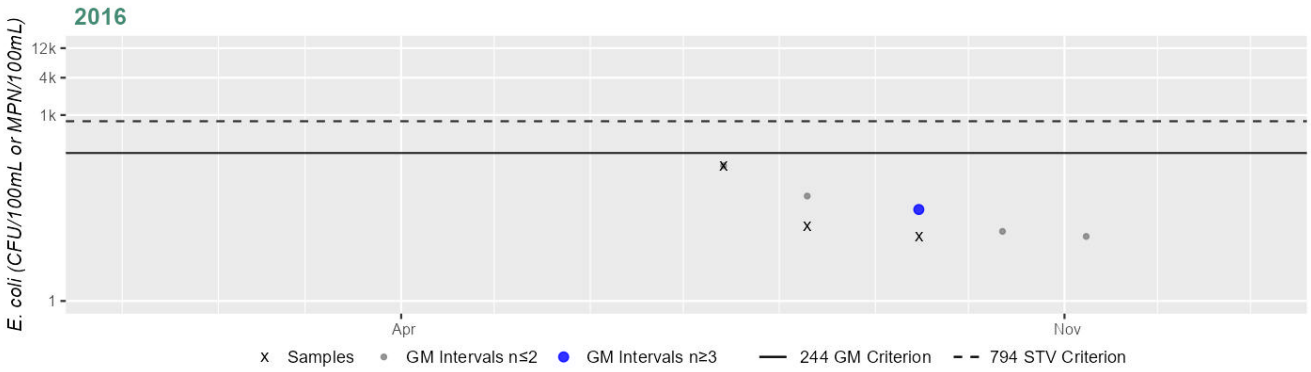
Cumulative %GMI Exceedance Historic (1997-2010)
83%

Cumulative %GMI Exceedance Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2643 - Escherichia coli

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



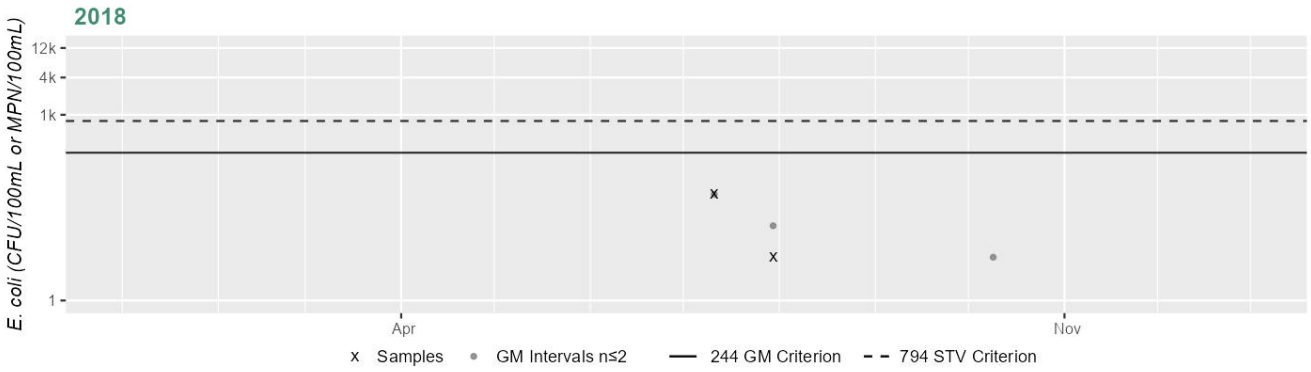
Variable*	Result
Samples	3
SeasGM	29
#GMI	1
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2840 - Escherichia coli

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



Variable*	Result
Samples	2
SeasGM	16
#GMI	0
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Acushnet River (MA95-33)

Location:	Outlet Main Street culvert, Acushnet to Coggeshall Street/Howland Road bridge, New Bedford/Fairhaven.
AU Type:	ESTUARY
AU Size:	0.31 SQUARE MILES
Classification/Qualifier:	SB: SFR, CSO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Debris*)	--	Unchanged
5	5	Color	--	Unchanged
5	5	Dissolved Oxygen	R1_MA_2024_03	Changed
5	5	Enterococcus	36171	Unchanged
5	5	Fecal Coliform	36171	Unchanged
5	5	Metals	--	Unchanged
5	5	Nitrogen, Total	R1_MA_2024_03	Changed
5	5	Nutrient/Eutrophication Biological Indicators	R1_MA_2024_03	Changed
5	5	Odor	--	Unchanged
5	5	Oil and Grease	--	Unchanged
5	5	PCBs in Fish Tissue	--	Unchanged
5	5	Polychlorinated Biphenyls (PCBs)	--	Unchanged
5	5	Trash	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
(Debris*)	Combined Sewer Overflows (N)	--	--	--	X	X	X

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
(Debris*)	Municipal (Urbanized High Density Area) (N)	--	--	--	X	X	X
Color	Combined Sewer Overflows (N)	--	--	--	X	X	X
Color	Municipal (Urbanized High Density Area) (N)	--	--	--	X	X	X
Dissolved Oxygen	Agriculture (Y)	X	--	--	--	--	--
Dissolved Oxygen	Combined Sewer Overflows (N)	X	--	--	--	--	--
Dissolved Oxygen	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Dissolved Oxygen	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Dissolved Oxygen	Residential Districts (Y)	X	--	--	--	--	--
Enterococcus	Combined Sewer Overflows (N)	--	--	--	--	X	X
Enterococcus	Municipal (Urbanized High Density Area) (N)	--	--	--	--	X	X
Fecal Coliform	Combined Sewer Overflows (N)	--	--	X	--	--	--
Fecal Coliform	Municipal (Urbanized High Density Area) (N)	--	--	X	--	--	--
Metals	CERCLA NPL (Superfund) Sites (N)	X	--	--	--	--	--
Metals	Contaminated Sediments (N)	X	--	--	--	--	--
Nitrogen, Total	Agriculture (Y)	X	--	--	--	--	--
Nitrogen, Total	Combined Sewer Overflows (N)	X	--	--	--	--	--
Nitrogen, Total	Municipal Point Source Discharges (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nitrogen, Total	Residential Districts (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Agriculture (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Combined Sewer Overflows (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Residential Districts (Y)	X	--	--	--	--	--
Odor	Combined Sewer Overflows (N)	--	--	--	X	--	X
Odor	Municipal (Urbanized High Density Area) (N)	--	--	--	X	--	X
Oil and Grease	Combined Sewer Overflows (N)	--	--	--	X	X	X
Oil and Grease	Municipal (Urbanized High Density Area) (N)	--	--	--	X	X	X
PCBs in Fish Tissue	CERCLA NPL (Superfund) Sites (N)	--	X	--	--	--	--
PCBs in Fish Tissue	Contaminated Sediments (N)	--	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Polychlorinated Biphenyls (PCBs)	CERCLA NPL (Superfund) Sites (N)	X	--	X	--	--	--
Polychlorinated Biphenyls (PCBs)	Contaminated Sediments (N)	X	--	X	--	--	--
Trash	Combined Sewer Overflows (N)	--	--	--	X	X	X
Trash	Municipal (Urbanized High Density Area) (N)	--	--	--	X	X	X

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Dissolved Oxygen	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: New Bedford Inner Harbor Embayment System TMDL for Total Nitrogen (Report CN 544.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_03)
Nitrogen, Total	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: New Bedford Inner Harbor Embayment System TMDL for Total Nitrogen (Report CN 544.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_03)
Nutrient/Eutrophication Biological Indicators	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: New Bedford Inner Harbor Embayment System TMDL for Total Nitrogen (Report CN 544.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_03)

Designated Use Attainment Decisions

Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Fish Consumption Use for Acushnet River (MA95-33) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue impairment is being carried forward. MDPH included a site-specific advisory for Acushnet River (referred to by MDPH as ''Area I of New Bedford Harbor'') in their 2017 Guide to Eating Fish Safely in Massachusetts. The public should refer to the most recent MDPH information for the most up to date meal advice for sensitive and general populations.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Acushnet River (MA95-33): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2959 sq mi (95%). The sum of the approved, conditionally approved, and restricted shellfish growing areas represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.2959 sq mi (95%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB15.0	New Bedford/Fairhaven Harbor	Prohibited	0.29587	94.9%

Aesthetic

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Acushnet River (MA95-33) continues to be assessed as Not Supporting with the Color, Debris, Odor, Oil and Grease, and Trash impairments being carried forward. No new data are available to evaluate the Aesthetics Use for this Acushnet River AU.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the Acushnet River (MA95-33) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on the presence of CSOs and bacteria data not meeting the threshold at 1 station in 2019. The prior Color, Debris, Odor, Oil and Grease, and Trash impairments (from the Aesthetics Use) are being carried forward. The shellfish growing areas (0.2959 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Acushnet River. In addition, there is a presumptive *Enterococcus* impairment decision in place due to the presence of active CSO outfalls. UMassD staff/volunteers collected *Enterococcus* bacteria samples at the downstream end of this Acushnet River AU at UMassD_11 [94-1 Sawyer St, New Bedford] from Jun-Sep 2019 (n=14). Analysis of the single year moderate frequency dataset from this station indicated 75% of intervals had GMs >35 CFU/100ml and 4 samples exceeded the 130 CFU/100ml STV (maximum concentration 7,701 CFU), which is indicative of an *Enterococcus* impairment.

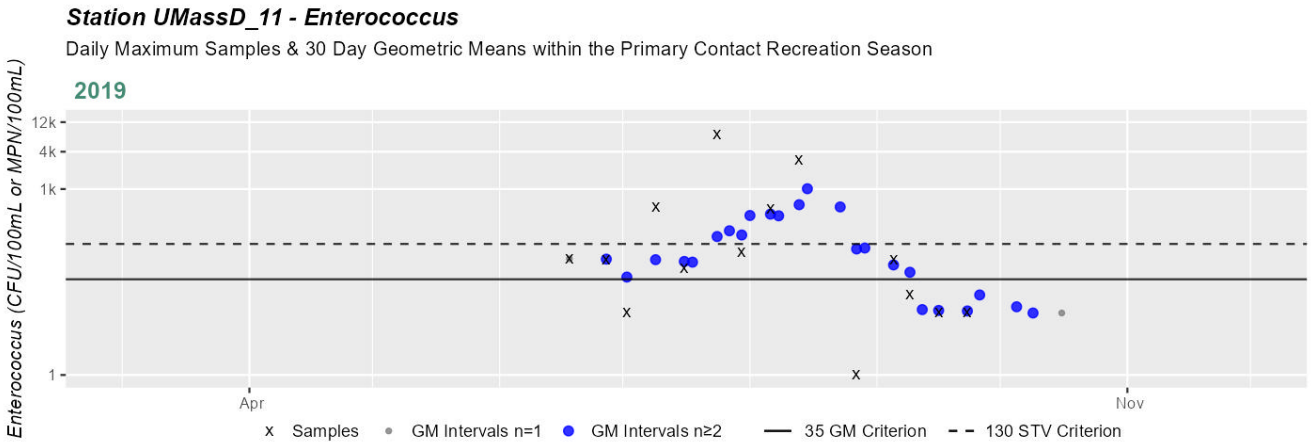
Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
UMassD_11	UMass - Dartmouth	Water Quality	New Bedford Inner Harbor	94-1 Sawyer Street, New Bedford	41.658423	-70.919084

Bacteria Data

Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (30-day Interval Analysis)
(UMass-Dartmouth 2019) (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
UMassD_11	Umass - Dartmouth	Enterococcus	06/18/19	09/23/19	14	1	7701	76



Variable*	Result
Samples	14
SeasGM	76
#GMI	24
#GMI Ex	18
%GMI Ex	75%
n>STV	4
%n>STV	28%

Cumulative %GMI Exceedance
Current (2011-2022)
75%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Acushnet River (MA95-33): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2959 sq mi (95%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	**Alert**
Not Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for the Acushnet River (MA95-33) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on the presence of CSOs and bacteria data not meeting the threshold at 1 station in 2019. The prior Color, Debris, Odor, Oil and Grease, and Trash impairments (from the Aesthetics Use) are being carried forward. The shellfish growing areas (0.2959 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Acushnet River. There is a presumptive *Enterococcus* impairment decision in place due to the presence of active CSO outfalls. UMass - Dartmouth (UMassD) staff/volunteers collected *Enterococcus* bacteria samples in the Acushnet River at UMassD_11 [94-1 Sawyer St, New Bedford] from Jun-Sep 2019 (n=14). Analysis of the single year moderate frequency dataset from this station indicated 63% of intervals had GMs >68 CFU/100ml and 4 samples exceeded the 252 CFU/100ml STV (maximum concentration of 7,701 CFU), which is indicative of an *Enterococcus* impairment.

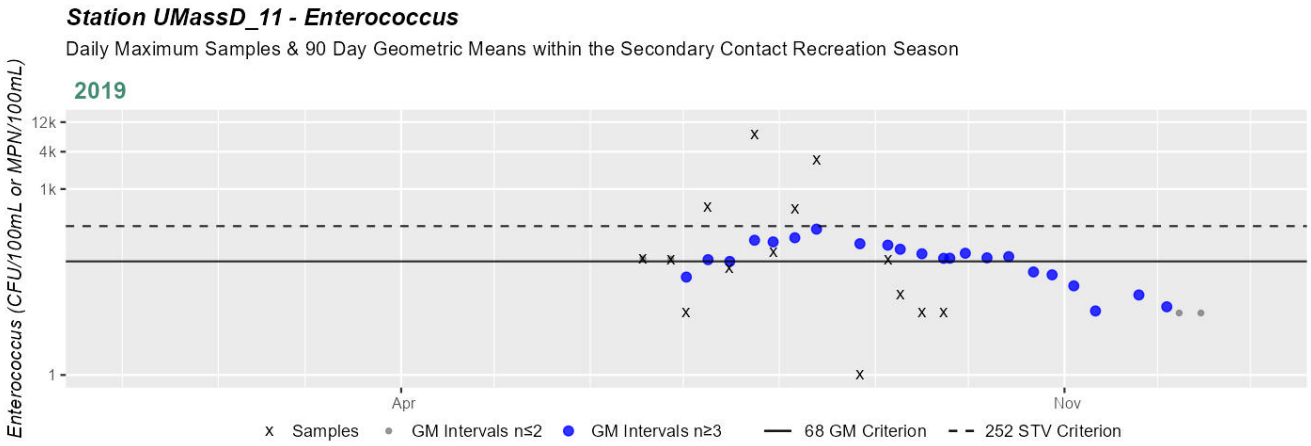
Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
UMassD_11	UMass - Dartmouth	Water Quality	New Bedford Inner Harbor	94-1 Sawyer Street, New Bedford	41.658423	-70.919084

Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)
(UMass-Dartmouth 2019) (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
UMassD_11	Umass - Dartmouth	Enterococci	06/18/19	09/23/19	14	1	7701	76



Variable*	Result
Samples	14
SeasGM	76
#GMI	22
#GMI Ex	14
%GMI Ex	63%
n>STV	4
%n>STV	28%

Cumulative %GMI Exceedance
Current (2011-2022)
63%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

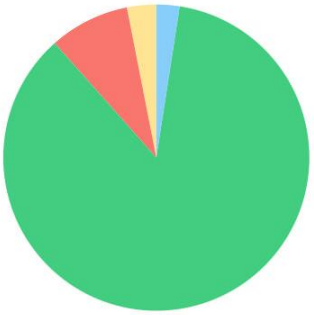
Summary
Acushnet River (MA95-33): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2959 sq mi (95%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Agawam River (MA95-28)

Location:	Outlet Mill Pond, Wareham to Wareham WWTP outfall, Wareham.
AU Type:	RIVER
AU Size:	0.6 MILES
Classification/Qualifier:	B: WWF, HQW

Agawam River (MA95-28)

Watershed Area: 17.23 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	17.23	3.60	6.20	2.58
Agriculture	3.1%	9.4%	8.3%	13%
Developed	8.5%	14.7%	8.7%	12.9%
Natural	86%	69.3%	76.9%	65.5%
Wetland	2.4%	6.6%	6.1%	8.5%
Impervious	3.8%	5.9%	3.1%	4.2%

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

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (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 Agawam River (MA95-28) 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 Agawam River (MA95-28) is Not Assessed.

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 the Agawam River (MA95-28) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. In Agawam River Buzzards Bay Coalition (BBC) collected Secchi depth data at the upstream end of the AU at BBC_AG3 [Agawam River Fresh, Wareham] in 2015 and 2019. Secchi depth data were too limited (n <3) to evaluate water clarity using data from BBC_AG3 (station depth ranging 1-1.33 m) in 2015 (n=1, 0.5m) and 2019 (n=1, 1.2m).

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2015, 2019	In this Agawam River AU (MA95-28), Buzzards Bay Coalition (BBC) collected Secchi data at BBC_AG3 [41.76261, -70.67575, Agawam River Fresh, Wareham] in 2015 and 2019. In 2015 at station BBC_AG3 (station depth=1 m) the Secchi depth (n=1) was measured to be 0.5 m on Jul 30, 2015 which is less than the 1.2 m (4 ft) threshold. In 2019 at station BBC_AG3 (station depth=1.33 m) the Secchi depth (n=1) was measured to be 1.2 m on Jul 02, 2019 indicating water clarity meeting the 1.2 m (4 ft) threshold.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for the Agawam River (MA95-28) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Agawam River (MA95-29)

Location:	Wareham WWTP outfall, Wareham to confluence with Wankinco River (forming headwaters of the Wareham River) just north of the Route 6 bridge, Wareham.
AU Type:	ESTUARY
AU Size:	0.16 SQUARE MILES
Classification/Qualifier:	SB: SFR

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	4a	Algae	R1_MA_2024_02	Changed
5	4a	Fecal Coliform	36171	Unchanged
5	4a	Nitrogen, Total	R1_MA_2024_02	Changed
5	4a	Nutrient/Eutrophication Biological Indicators	R1_MA_2024_02	Changed

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Algae	Agriculture (Y)	X	--	--	X	X	X
Algae	Municipal Point Source Discharges (Y)	X	--	--	X	X	X
Algae	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	X	X	X
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Agriculture (Y)	X	--	--	--	--	--
Nitrogen, Total	Municipal Point Source Discharges (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Agriculture (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Algae	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Wareham River Estuary System TMDL for Total Nitrogen (Report CN 549.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_02)
Nitrogen, Total	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Wareham River Estuary System TMDL for Total Nitrogen (Report CN 549.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_02)
Nutrient/Eutrophication Biological Indicators	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Wareham River Estuary System TMDL for Total Nitrogen (Report CN 549.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_02)

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 Agawam River (MA95-29) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Agawam River (MA95-29): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1604 sq mi (97%). The sum of the approved, conditionally approved, and restricted shellfish growing areas represents 0 sq mi (0%). The prohibited shellfish growing area represents 0.1604 sq mi (97%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use will continue to be evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB36.3	Wareham River	Prohibited	0.16038	97.4%

Aesthetic

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Agawam River (MA95-29) continues to be assessed as Not Supporting with the Algae impairment being carried forward. No new data are available to evaluate the Aesthetics Use for this Agawam River AU.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for the Agawam River (MA95-29) continues to be assessed as Not Supporting. The prior Algae impairment (from the Aesthetics Use) is being carried forward. The shellfish growing areas (0.1604 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Agawam River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Agawam River (MA95-29): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1604 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for the Agawam River (MA95-29) continues to be assessed as Not Supporting. The prior Algae impairment (from the Aesthetics Use) is being carried forward. The shellfish growing areas (0.1604 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Agawam River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

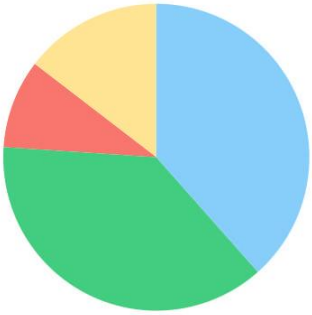
Summary
Agawam River (MA95-29): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1604 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Allen Creek (MA95-97)

Location:	Headwaters outlet of wetland east of Pine Hill Road, Westport to saltwater wetland downstream of unnamed pond, west of Pine Hill Road, Westport.
AU Type:	RIVER
AU Size:	0.4 MILES
Classification/Qualifier:	B

Allen Creek (MA95-97)

Watershed Area: 0.42 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	0.42	0.42	0.08	0.08
Agriculture	14.6%	14.6%	28.7%	28.7%
Developed	9.4%	9.4%	9.5%	9.5%
Natural	37.6%	37.6%	42.7%	42.7%
Wetland	38.5%	38.5%	19.1%	19.1%
Impervious	2.9%	2.9%	3.5%	3.5%

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

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 Allen Creek (MA95-97) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Allen Creek (MA95-97) is assessed as Fully Supporting based on the lack of objectionable conditions reported during the summers of 2012 and 2013. MassDEP staff recorded aesthetics observations halfway down this Allen Creek AU at Pine Hill Road in Westport (W2368) during the summers of 2012 and 2013 (n=3 for both). There were generally no noted persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2368	MassDEP	Water Quality	Allen Creek	[Pine Hill Road, Westport]	41.582267	-71.059791

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2368	2012	3	3	0
W2368	2013	3	3	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2368	Allen Creek	2012	Aquatic Plant Density, Overall	None	1	3
W2368	Allen Creek	2012	Aquatic Plant Density, Overall	Sparse	2	3
W2368	Allen Creek	2012	Color	Brownish	2	3
W2368	Allen Creek	2012	Color	None	1	3
W2368	Allen Creek	2012	Odor	None	3	3
W2368	Allen Creek	2012	Periphyton Density, Filamentous	None	3	3
W2368	Allen Creek	2012	Periphyton Density, Film	Moderate	1	3
W2368	Allen Creek	2012	Periphyton Density, Film	None	1	3
W2368	Allen Creek	2012	Periphyton Density, Film	Sparse	1	3
W2368	Allen Creek	2012	Turbidity	Slightly Turbid	3	3
W2368	Allen Creek	2013	Aquatic Plant Density, Overall	None	1	3
W2368	Allen Creek	2013	Aquatic Plant Density, Overall	Sparse	2	3
W2368	Allen Creek	2013	Color	Brownish	2	3
W2368	Allen Creek	2013	Color	None	1	3
W2368	Allen Creek	2013	Odor	None	3	3
W2368	Allen Creek	2013	Periphyton Density, Filamentous	None	3	3
W2368	Allen Creek	2013	Periphyton Density, Film	None	1	3
W2368	Allen Creek	2013	Periphyton Density, Film	Sparse	2	3
W2368	Allen Creek	2013	Turbidity	Slightly Turbid	3	3

Algal Bloom Information

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Allen Creek (MA95-97) 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 1 station in 2013. MassDEP staff collected *E. coli* bacteria samples halfway down this Allen Creek AU at W2368 [Pine Hill Rd, Westport] from 2012-2013 (n=3/yr). Data was too limited (with no GMs of n≥ 3 samples within 90-day intervals) in 2012 to assess as per the 2024 CALM, so only the analysis for the 2013 data will be discussed here. Analysis of the single year limited frequency dataset from this station (in 2013) indicated 100% of intervals had GMs >126 CFU/100ml, 1 sample exceeded the 410 CFU/100ml STV (1,990 CFU) and the seasonal GM was 151 CFU/100ml, which is indicative of an *Escherichia coli (E. coli)* impairment.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2368	MassDEP	Water Quality	Allen Creek	[Pine Hill Road, Westport]	41.582267	-71.059791

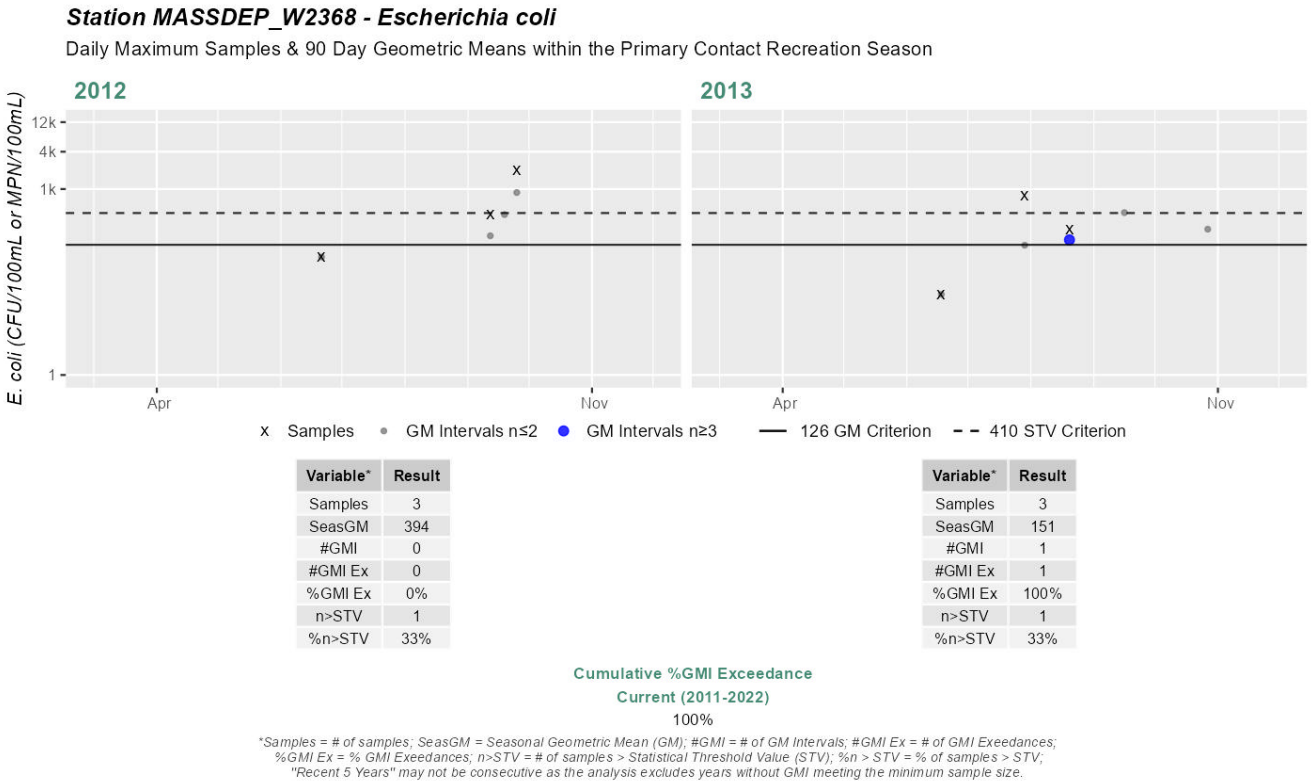
Bacteria Data

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

(MassDEP Undated 9) (MassDEP Undated 5)

[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
W2368	MassDEP	E. coli	06/20/12	09/24/12	3	80	1990	394
W2368	MassDEP	E. coli	06/18/13	08/20/13	3	20	770	151



Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Allen Creek (MA95-97) continues to be assessed as Fully Supporting based on bacteria data collected at 1 station in 2012-2013. MassDEP staff collected *E. coli* bacteria samples halfway down this Allen Creek AU at W2368 [Pine Hill Rd, Westport] from 2012-2013 (n=3/yr). Data was too limited (with no GMs of n≥ 3 samples within 90-day intervals) in 2012 to assess as per the 2024 CALM, so only the analysis for the 2013 data will be discussed here. Analysis of the single year limited frequency dataset from this station indicated that 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM was 151 CFU/100ml, which meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2368	MassDEP	Water Quality	Allen Creek	[Pine Hill Road, Westport]	41.582267	-71.059791

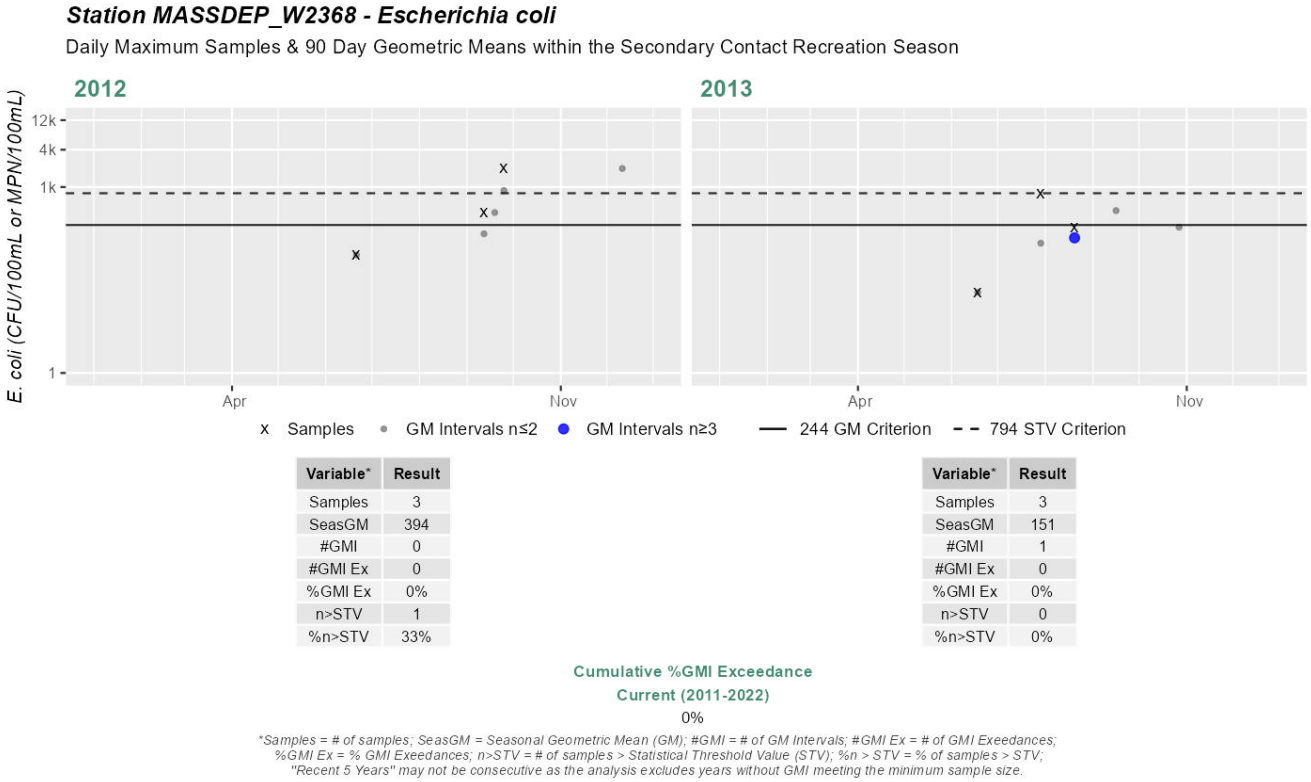
Bacteria Data

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

(MassDEP Undated 9) (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
W2368	MassDEP	E. coli	06/20/12	09/24/12	3	80	1990	394
W2368	MassDEP	E. coli	06/18/13	08/20/13	3	20	770	151



Variable*	Result
Samples	3
SeasGM	394
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	33%

Variable*	Result
Samples	3
SeasGM	151
#GMI	1
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Allens Pond (MA95-107)

Location:	south of Allens Neck Road, Dartmouth.
AU Type:	ESTUARY
AU Size:	0.31 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Nitrogen, Total	--	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Nitrogen, Total	Source Unknown (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	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 Allens Pond (MA95-107) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Allens Pond (MA95-107): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2751 sq mi (89%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.2751 sq mi (89%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB5.1	Little Beach Coastal North	Conditionally Approved	0.00002	0.0%
BB6.0	Allens Pond	Prohibited	0.27506	89.1%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Allens Pond (MA95-107) is Not Assessed.

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 Allens Pond (MA95-107) so it is assessed as having Insufficient Information. The shellfish growing areas (0.2751 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Allens Pond.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Allens Pond (MA95-107): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2751 sq mi (89%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Allens Pond (MA95-107) so it is assessed as having Insufficient Information. The shellfish growing areas (0.2751 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Allens Pond.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

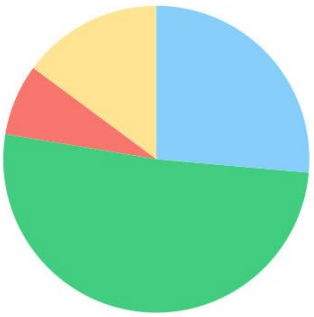
Summary
Allens Pond (MA95-107): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2751 sq mi (89%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Angeline Brook (MA95-83)

Location:	Perennial portion south of Charlotte White Road, Westport to mouth at West Branch Westport River (Angeline Cove), Westport.
AU Type:	RIVER
AU Size:	4.4 MILES
Classification/Qualifier:	B

Angeline Brook (MA95-83)

Watershed Area: 3.46 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	3.46	2.79	1.47	1.20
Agriculture	14.9%	18%	9.3%	11.3%
Developed	7.5%	7.6%	2.7%	3.2%
Natural	51.2%	50.9%	45.4%	47.5%
Wetland	26.4%	23.5%	42.6%	38%
Impervious	3.1%	3.3%	0.9%	1.1%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	4a	Enterococcus	R1_MA_2024_04	Changed

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

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Enterococcus	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 Angeline Brook (MA95-83) 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 Angeline Brook (MA95-83) is Not Assessed.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Angeline Brook (MA95-83) are available, so the Primary Contact Recreation Use continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Angeline Brook (MA95-83) 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 at the downstream end of Angeline Brook at station W1375 [Cornell Rd, Westport] from May-Sep 2005 (n=5). Analysis of the historic single year limited frequency dataset from this station indicated 0% of intervals had GMs >244 CFU/100ml, 1 sample exceeded the 794 CFU/100ml STV (1,600 CFU) and the overall GM was 63 CFU/100ml. While this analysis is suggestive of relatively good conditions, these historic *E. coli* data are inconclusive according to the 2024 CALM to assess the Secondary Contact Recreation Use because the single year, limited frequency dataset included both a GM below the threshold and an exceedance of the STV threshold. In addition, 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
W1375	MassDEP	Water Quality	Angeline Brook	[Cornell Road, Westport]	41.550487	-71.105197

Bacteria Data

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

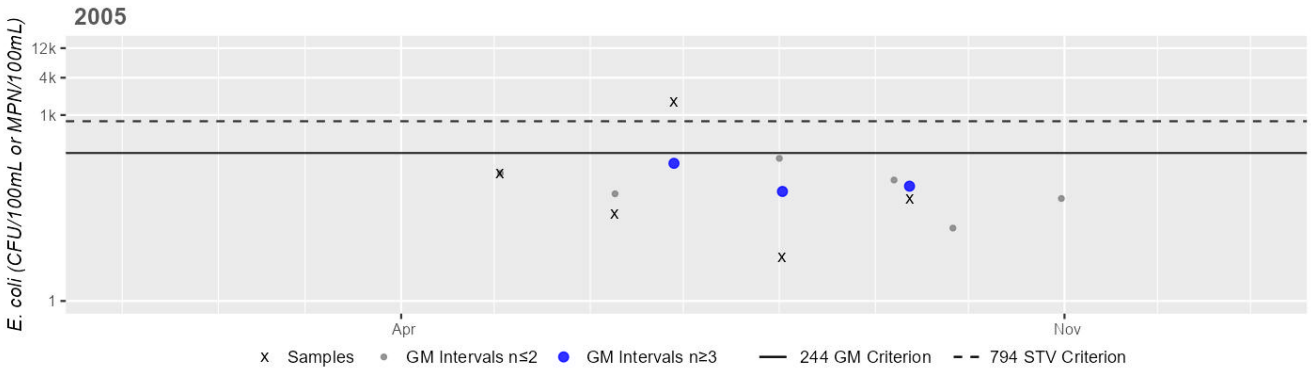
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1375	MassDEP	E. coli	05/03/05	09/12/05	5	5	1600	63

Station MASSDEP_W1375 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	63
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Apponagansett Bay (MA95-39)

Location:	From the mouth of Buttonwood Brook, Dartmouth to a line drawn from Ricketsons Point, Dartmouth to Samoset Street near North Avenue, Dartmouth.
AU Type:	ESTUARY
AU Size:	1.06 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nitrogen, Total	--	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
5	5	PCBs in Fish Tissue	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Estuarine Bioassessments	Impervious Surface/Parking Lot Runoff (N)	X	--	--	--	--	--
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (N)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Residential Districts (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Impervious Surface/Parking Lot Runoff (N)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (N)	X	--	--	--	--	--
Nitrogen, Total	Residential Districts (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Impervious Surface/Parking Lot Runoff (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Residential Districts (N)	X	--	--	--	--	--
PCBs in Fish Tissue	CERCLA NPL (Superfund) Sites (Y)	--	X	--	--	--	--
PCBs in Fish Tissue	Contaminated Sediments (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 Apponagansett Bay (MA95-39) continues to be assessed as Not Supporting with the prior PCBs in Fish Tissue impairment being carried forward. MDPH included a site-specific advisory for Apponagansett Bay (referred to by MDPH as "Area III of New Bedford Harbor") in their 2017 Guide to Eating Fish Safely in Massachusetts. The public should refer to the most recent MDPH information for the most up to date meal advice for sensitive and general populations.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Apponagansett Bay (MA95-39): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.0463 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB11.0	Dartmouth East Coastal South	Conditionally Approved	0.13499	12.7%
BB12.1	Apponagansett Bay: Eastern Closed Area	Prohibited	0.07994	7.5%
BB12.2	Apponagansett Bay: Town Landing	Prohibited	0.00098	0.1%
BB12.3	Apponagansett Bay	Conditionally Approved	0.46650	43.9%
BB12.4	Apponagansett River North Closed Area	Prohibited	0.10007	9.4%
BB12.5	Apponagansett Bay Deep Water Mooring Area	Conditionally Approved	0.26384	24.8%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Apponagansett Bay (MA95-39) 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 Apponagansett Bay (MA95-39) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Apponagansett Town Beach [Beach ID: 2731] and Bayview Beach [Beach ID: 2732] in Dartmouth, indicated that both these beaches were rarely, if at all, posted for swimming from 2018-2022. The shellfish growing areas (1.0463 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Apponagansett Bay.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2731	Apponagansett Town Beach/ Dartmouth	41.58344, -70.95640	41.58427, -70.95290	0%	7%	0%	0%	0%	2%	0%	0%	0%	0
2732	Bayview/ Dartmouth	41.57184, -70.94560	41.57141, -70.94520	0%	2%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Apponagansett Bay (MA95-39): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.0463 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Apponagansett Bay (MA95-39) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Apponagansett Town Beach [Beach ID: 2731] and Bayview Beach [Beach ID: 2732] in Dartmouth, indicated that both beaches were rarely, if at all, posted for swimming from 2018-2022. The shellfish growing areas (1.0463 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Apponagansett Bay.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Apponagansett Bay (MA95-39): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.0463 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Aucoot Cove (MA95-09)

Location:	From the boundary of Division of Marine Fisheries designated shellfishing growing area BB31.1, north and southwest from Haskell Island, Marion to the mouth at Buzzards Bay demarcated by a line drawn between Converse Point, Marion and Joes Point, Mattapoisett (prior to 2008 this segment included the restricted shellfishing portion of cove and the estuarine portion of Aucoot Creek).
AU Type:	ESTUARY
AU Size:	0.46 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	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 Aucoot Cove (MA95-09) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Aucoot Cove (MA95-09): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.4473 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications, a Fecal Coliform impairment is being added.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB31.0	Aucoot Cove	Conditionally Approved	0.44732	98.1%
BB31.1	Aucoot Cove	Prohibited	0.00000	0.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Aucoot Cove (MA95-09) 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 Aucoot Cove (MA95-09) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. In Aucoot Cove MDPH Beach Closure data for Harbor 1 (North) [Beach ID: 2967] and Harbor 2 (South) [Beach ID: 2965] in Mattapoisett, indicated that neither of these beaches were ever posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.4473 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Aucoot Cove.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2965	Harbor Beach 2 (South)/ Mattapoisett	41.66852, -70.75810	41.66827, -70.75790	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
2967	Harbor Beach 1 (North)/ Mattapoisett	41.67024, -70.75970	41.67018, -70.75960	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Aucoot Cove (MA95-09): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.4473 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Aucoot Cove (MA95-09) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. In Aucoot Cove MDPH Beach Closure data for Harbor 1 (North) [Beach ID: 2967] and Harbor 2 (South) [Beach ID: 2965] in Mattapoisett, indicated that neither of these beaches were ever posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.4473 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Aucoot Cove.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Aucoot Cove (MA95-09): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.4473 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Aucoot Cove (MA95-71)

Location:	From the confluence with Aucoot Creek, Marion to the boundary of Division of Marine Fisheries designated shellfishing growing area BB31.1, north and southwest from Haskell Island, Marion (formerly part of 2006 segment: Aucoot Cove MA95-09).
AU Type:	ESTUARY
AU Size:	0.03 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nitrogen, Total	--	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Source Unknown (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	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 Aucoot Cove (MA95-71) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Aucoot Cove (MA95-71): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0329 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB31.0	Aucoot Cove	Conditionally Approved	0.00181	5.4%
BB31.1	Aucoot Cove	Prohibited	0.03106	92.9%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Aucoot Cove (MA95-71) is Not Assessed.

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 Aucoot Cove (MA95-71) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0329 sq mi) in this AU are less than 100% approved (0 sq mi, 0%). The data were too limited to assess Primary Contact Recreation Use of Aucoot Cove (MA95-71) based on shellfish classification data.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Aucoot Cove (MA95-71): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0329 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Aucoot Cove (MA95-71) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0329 sq mi) in this AU are less than 100% approved (0 sq mi, 0%). The data were too limited to assess Secondary Contact Recreation Use of Aucoot Cove (MA95-71) based on shellfish classification data.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Aucoot Cove (MA95-71): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0329 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Aucoot Creek (MA95-72)

Location:	Estuarine portion east of Holly Pond Road, Marion to confluence with Aucoot Cove, Marion (formerly part of 2006 segment: Aucoot Cove MA95-09).
AU Type:	ESTUARY
AU Size:	0.02 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nitrogen, Total	--	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Source Unknown (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	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 Aucoot Creek (MA95-72) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Aucoot Creek (MA95-72): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0134 sq mi (84%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0134 sq mi (84%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use will continue to be evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB31.1	Aucoot Cove	Prohibited	0.01340	83.6%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Aucoot Creek (MA95-72) is Not Assessed.

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 Aucoot Creek (MA95-72) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0134 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess Primary Contact Recreation Use of Aucoot Creek.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Aucoot Creek (MA95-72): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0134 sq mi (84%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Aucoot Creek (MA95-72) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0134 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Aucoot Creek.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Aucoot Creek (MA95-72): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0134 sq mi (84%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Back River (MA95-47)

Location:	Estuarine portion, west of County Road, Bourne to confluence with Phinneys Harbor (excluding Eel Pond), Bourne.
AU Type:	ESTUARY
AU Size:	0.09 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Back River (MA95-47) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert

Not Supporting	NO

2024/26 Use Attainment Summary
Back River (MA95-47): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0758 sq mi (88%) and the approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB47.1	Back River	Conditionally Approved	0.00797	9.2%
BB47.2	Back River and Eel Pond	Conditionally Approved	0.05616	65.1%
BB47.3	Back River	Prohibited	0.00089	1.0%
BB47.4	Plow Penny Road	Prohibited	0.01081	12.5%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Back River (MA95-47) is Not Assessed.

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 the Back River (MA95-47) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0758 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Back River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Back River (MA95-47): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0758 sq mi (88%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 the Back River (MA95-47) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0758 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification were too limited to assess the Secondary Contact Recreation Use of Back River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Back River (MA95-47): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0758 sq mi (88%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Barrett Pond (MA95004)

Location:	Carver.
AU Type:	FRESHWATER LAKE
AU Size:	11 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	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 Barrett Pond (MA95004) 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 Barrett Pond (MA95004) 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 Barrett Pond (MA95004) 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 Barrett Pond (MA95004) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Bates Pond (MA95007)

Location:	Carver.
AU Type:	FRESHWATER LAKE
AU Size:	19 ACRES
Classification/Qualifier:	B

No usable data were available for Bates Pond (MA95007) 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

Beaverdam Creek (MA95-53)

Location:	Estuarine portion just south of the outlet from cranberry bog southeast of Route 6, Wareham to confluence with Wewantic River, Wareham.
AU Type:	ESTUARY
AU Size:	0.04 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nitrogen, Total	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	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 Beaverdam Creek (MA95-53) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Beaverdam Creek (MA95-53): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0338 sq mi (83%) and the approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB35.1	Beaver Dam Creek	Prohibited	0.00072	1.8%
BB35.5	Middle River	Conditionally Approved	0.03304	81.7%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Beaverdam Creek (MA95-53) is Not Assessed.

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 Beaverdam Creek (MA95-53) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0338 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Beaverdam Creek.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Beaverdam Creek (MA95-53): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0338 sq mi (83%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Beaverdam Creek (MA95-53) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0338 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Beaverdam Creek.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Beaverdam Creek (MA95-53): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0338 sq mi (83%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Big Rocky Pond (MA95119)

Location:	(Rocky Pond) Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	18 ACRES
Classification/Qualifier:	B

No usable data were available for Big Rocky Pond (MA95119) 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

Big Sandy Pond (MA95011)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	133 ACRES
Classification/Qualifier:	B

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

Recommendations

2024/26 Recommendations
2024/26IR [Harmful Algal Blooms, low] Follow-up monitoring should be conducted in Big Sandy Pond (MA95011) 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. During the period 2015 through 2022, C-HAB postings for Big Sandy Pond were reported to MDPH based on visual observations for 15 days in 2020 and 32 days in 2021 and no blooms were reported in other years. This is of low priority;

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 Big Sandy Pond (MA95011) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Insufficient Information	YES

2024/26 Use Attainment Summary
Too limited data are available to assess the Aesthetics Use for Big Sandy Pond (MA95011) so it is assessed as having Insufficient Information. An Alert is being identified for Harmful Algal Blooms in this waterbody since C-HAB postings (blooms of 15 days or more in duration) were reported to MDPH in 2020 and 2021. During the period 2015 through 2022, C-HAB postings for Big Sandy Pond were reported to MDPH based on visual observations for 15 days in 2020 and 32 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 in this waterbody and a recommendation for follow-up sampling will be made.

Algal Bloom Information

Cyanobacteria Harmful Algal Bloom (C-HAB) Summary Statements for 2015-2022 MDPH Data (Bailey, Logan April 26, 2023) (MassDEP Undated 2)

C-HAB Summary Statement
During the period 2015 through 2022, C-HAB postings for Big Sandy Pond (MA95011) were reported to MDPH based on visual observations for 15 days in 2020 and 32 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 2)

[* 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
Big Sandy Pond	Plymouth						15	32	

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 Big Sandy Pond (MA95011) 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 Blooms. During the period 2015 through 2022, C-HAB postings for Big Sandy Pond were reported to MDPH based on visual observations for 15 days in 2020 and 32 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, a Harmful Algal Blooms Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made. The Town of Plymouth (PLY) collected Secchi depth data at deep hole station PLY_BigSandy_DeepHole in 2014. Secchi depth data from PLY_BigSandy_DeepHole were too limited (n <3) to evaluate the water clarity for Big Sandy Pond (n=1, 5.5m), though the measurement did meet the 1.2 m (4 ft) threshold.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2014	In Big Sandy Pond (MA95011), the Town of Plymouth (PLY) collected Secchi data at PLY_BigSandy_DeepHole [41.811917, -70.605778, Deep spot] in 2014. At station PLY_BigSandy_DeepHole (station depth=11.2 m) the Secchi depth (n=1) was measured to be 5.5 m on Aug 28, 2014 indicating water clarity meeting the 1.2 m (4 ft) threshold.

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 Big Sandy Pond (MA95011) 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 Blooms. During the period 2015 through 2022, C-HAB postings for Big Sandy Pond were reported to MDPH based on visual observations for 15 days in 2020 and 32 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, a Harmful Algal Blooms Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made.

Blackmore Reservoir (MA95015)

Location:	Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	43 ACRES
Classification/Qualifier:	B

No usable data were available for Blackmore Reservoir (MA95015) 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

Bourne Pond (MA95016)

Location:	northern side of Cape Cod Canal, Bourne.
AU Type:	FRESHWATER LAKE
AU Size:	11 ACRES
Classification/Qualifier:	B

No usable data were available for Bourne Pond (MA95016) 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	(Fish Passage Barrier*)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (Y)	X	--	--	--	--

Brant Island Cove (MA95-93)

Location:	Waters landward of a line from Point May, Mattapoisett to the southwestern edge of Mattapoisett Neck, Mattapoisett.
AU Type:	ESTUARY
AU Size:	0.21 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Fecal Coliform	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Brant Island Cove (MA95-93) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert

Not Supporting	NO

2024/26 Use Attainment Summary
Brant Island Cove (MA95-93): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.209 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB23.0	Brandt Island Cove	Conditionally Approved	0.20056	93.5%
BB23.2	Leisure Shores Marina	Conditionally Approved	0.00845	3.9%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Brant Island Cove (MA95-93) is Not Assessed.

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 Brant Island Cove (MA95-93) so it is assessed as having Insufficient Information. The shellfish growing areas (0.209 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Brant Island Cove.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Brant Island Cove (MA95-93): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.209 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Brant Island Cove (MA95-93) so it is assessed as having Insufficient Information. The shellfish growing areas (0.209 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Brant Island Cove.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

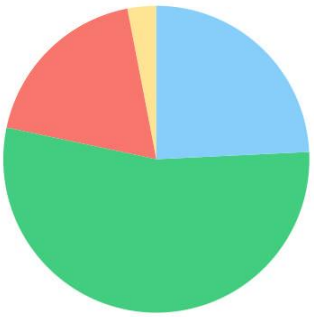
Summary
Brant Island Cove (MA95-93): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.209 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Bread and Cheese Brook (MA95-58)

Location:	Headwaters north of Old Bedford Road, Westport to confluence with East Branch Westport River, Westport.
AU Type:	RIVER
AU Size:	4.9 MILES
Classification/Qualifier:	B

Bread and Cheese Brook (MA95-58)

Watershed Area: 10.52 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	10.52	5.82	2.20	1.32
Agriculture	3%	3.8%	2.3%	3.2%
Developed	18.7%	22.1%	9.8%	13.1%
Natural	54.1%	48.2%	52.2%	47.7%
Wetland	24.2%	25.9%	35.7%	36%
Impervious	8.3%	9.8%	4.6%	6.1%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Enterococcus	36170	Unchanged
5	5	Fecal Coliform	36170	Unchanged
5	5	Temperature	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Enterococcus	Source Unknown (N)	--	--	--	X	--
Fecal Coliform	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 Bread and Cheese Brook (MA95-58) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Bread and Cheese Brook (MA95-58) continues to be assessed as Fully Supporting based on the general lack of objectionable conditions documented by MassDEP staff during the summers of 2013-2016. MassDEP staff recorded aesthetics observations for Bread and Cheese Brook during the summers of 2013, 2014, 2015 and 2016 as part of the Reference Site Network monitoring project; halfway down the AU ~980 ft downstream of Rt. 177, Westport (W0344, n=4-5/yr). There were generally no noted persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted some minor trash on three occasions.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W0344	MassDEP	Water Quality	Bread And Cheese Brook	[approximately 980 feet downstream of Route 177, Westport]	41.632660	-71.060383

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W0344	2013	5	Aesthetic observations were made by MassDEP field sampling crews at Station W0344 on Bread and Cheese Brook (MA95-58) during 5 site visits between May 2013 and Sep 2013. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W0344	2014	4	Aesthetic observations were made by MassDEP field sampling crews at Station W0344 on Bread and Cheese Brook (MA95-58) during 4 site visits between May 2014 and Aug 2014. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted objectionable deposits (n=2).
W0344	2015	4	Aesthetic observations were made by MassDEP field sampling crews at Station W0344 on Bread and Cheese Brook (MA95-58) during 4 site visits between May 2015 and Aug 2015. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W0344	2016	4	Aesthetic observations were made by MassDEP field sampling crews at Station W0344 on Bread and Cheese Brook (MA95-58) during 4 site visits between May 2016 and Aug 2016. 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 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W0344	2013	5	4	0
W0344	2014	4	4	0
W0344	2015	4	4	0
W0344	2016	4	4	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0344	Bread and Cheese Brook	2013	Aesthetics Impaired?	No	5	5
W0344	Bread and Cheese Brook	2013	Aquatic Plant Density, Overall	None	4	5
W0344	Bread and Cheese Brook	2013	Aquatic Plant Density, Overall	Unobservable	1	5
W0344	Bread and Cheese Brook	2013	Color	Brownish	1	5
W0344	Bread and Cheese Brook	2013	Color	Light Yellow/Tan	1	5

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0344	Bread and Cheese Brook	2013	Color	Reddish	3	5
W0344	Bread and Cheese Brook	2013	Objectionable Deposits	No	5	5
W0344	Bread and Cheese Brook	2013	Odor	None	5	5
W0344	Bread and Cheese Brook	2013	Periphyton Density, Filamentous	None	4	5
W0344	Bread and Cheese Brook	2013	Periphyton Density, Filamentous	Unobservable	1	5
W0344	Bread and Cheese Brook	2013	Periphyton Density, Film	None	3	5
W0344	Bread and Cheese Brook	2013	Periphyton Density, Film	Sparse	1	5
W0344	Bread and Cheese Brook	2013	Periphyton Density, Film	Unobservable	1	5
W0344	Bread and Cheese Brook	2013	Scum	No	5	5
W0344	Bread and Cheese Brook	2013	Turbidity	None	5	5
W0344	Bread and Cheese Brook	2014	Aesthetics Impaired?	No	4	4
W0344	Bread and Cheese Brook	2014	Aquatic Plant Density, Overall	None	4	4
W0344	Bread and Cheese Brook	2014	Color	Brownish	1	4
W0344	Bread and Cheese Brook	2014	Color	Light Yellow/Tan	1	4
W0344	Bread and Cheese Brook	2014	Color	Reddish	2	4
W0344	Bread and Cheese Brook	2014	Objectionable Deposits	No	2	4
W0344	Bread and Cheese Brook	2014	Objectionable Deposits	Yes	2	4
W0344	Bread and Cheese Brook	2014	Odor	None	4	4
W0344	Bread and Cheese Brook	2014	Periphyton Density, Filamentous	None	4	4
W0344	Bread and Cheese Brook	2014	Periphyton Density, Film	None	3	4

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0344	Bread and Cheese Brook	2014	Periphyton Density, Film	Sparse	1	4
W0344	Bread and Cheese Brook	2014	Scum	No	1	4
W0344	Bread and Cheese Brook	2014	Scum	Yes	3	4
W0344	Bread and Cheese Brook	2014	Turbidity	None	4	4
W0344	Bread and Cheese Brook	2015	Aesthetics Impaired?	No	4	4
W0344	Bread and Cheese Brook	2015	Aquatic Plant Density, Overall	Sparse	4	4
W0344	Bread and Cheese Brook	2015	Color	Light Yellow/Tan	3	4
W0344	Bread and Cheese Brook	2015	Color	Reddish	1	4
W0344	Bread and Cheese Brook	2015	Objectionable Deposits	No	3	4
W0344	Bread and Cheese Brook	2015	Objectionable Deposits	Yes	1	4
W0344	Bread and Cheese Brook	2015	Odor	None	4	4
W0344	Bread and Cheese Brook	2015	Periphyton Density, Filamentous	None	4	4
W0344	Bread and Cheese Brook	2015	Periphyton Density, Film	None	4	4
W0344	Bread and Cheese Brook	2015	Scum	No	4	4
W0344	Bread and Cheese Brook	2015	Turbidity	None	4	4
W0344	Bread and Cheese Brook	2016	Aesthetics Impaired?	No	4	4
W0344	Bread and Cheese Brook	2016	Aquatic Plant Density, Overall	None	2	4
W0344	Bread and Cheese Brook	2016	Aquatic Plant Density, Overall	Sparse	2	4
W0344	Bread and Cheese Brook	2016	Color	Light Yellow/Tan	1	4
W0344	Bread and Cheese Brook	2016	Color	Reddish	3	4

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0344	Bread and Cheese Brook	2016	Objectionable Deposits	No	4	4
W0344	Bread and Cheese Brook	2016	Odor	None	4	4
W0344	Bread and Cheese Brook	2016	Periphyton Density, Filamentous	Moderate	1	4
W0344	Bread and Cheese Brook	2016	Periphyton Density, Filamentous	None	3	4
W0344	Bread and Cheese Brook	2016	Periphyton Density, Film	None	3	4
W0344	Bread and Cheese Brook	2016	Periphyton Density, Film	Sparse	1	4
W0344	Bread and Cheese Brook	2016	Scum	No	4	4
W0344	Bread and Cheese Brook	2016	Turbidity	None	4	4

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for Bread and Cheese Brook (MA95-58) continues to be assessed as Not Supporting. The prior *Enterococcus* and Fecal Coliform impairments are being carried forward.

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 Bread and Cheese Brook (MA95-58) and available aesthetics observations for this AU did not result in any impairment, so it is assessed as having Insufficient Information. MassDEP staff collected *E. coli* bacteria samples at 2 stations in Bread and Cheese Brook within the historic window (1997-2010). Samples were collected from the following stations/sample years from upstream to downstream: halfway down the AU at W1370 [Rt. 6, Westport] from May-Sep 2005 (n=5) and close to the downstream end of the AU at W1371 [American Legion Highway (Rt. 177), Westport] from May-Sep 2005 (n=5). Analysis of the historic single year limited frequency *E. coli* datasets from both W1370 & W1371 indicated 0% of intervals had GMs >244 CFU/100ml with overall GMs of 50 & 55 CFU/100ml respectively. In the case of W1370 no samples exceeded the 794 CFU/100ml STV, however at W1371 1 sample exceeded the 794 CFU/100ml STV (1,400 CFU). While *E. coli* data from W1370 meet 2024 CALM guidance, *E. coli* data from W1371 are inconclusive to assess the Secondary Contact Recreation Use because the single year, limited frequency dataset included both GMs below the threshold and STV exceedance of the threshold. However, 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
W1370	MassDEP	Water Quality	Bread And Cheese Brook	[Route 6, Westport]	41.653439	-71.071611
W1371	MassDEP	Water Quality	Bread And Cheese Brook	[American Legion Highway (Route 177), Westport]	41.634173	-71.062619

Bacteria Data

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

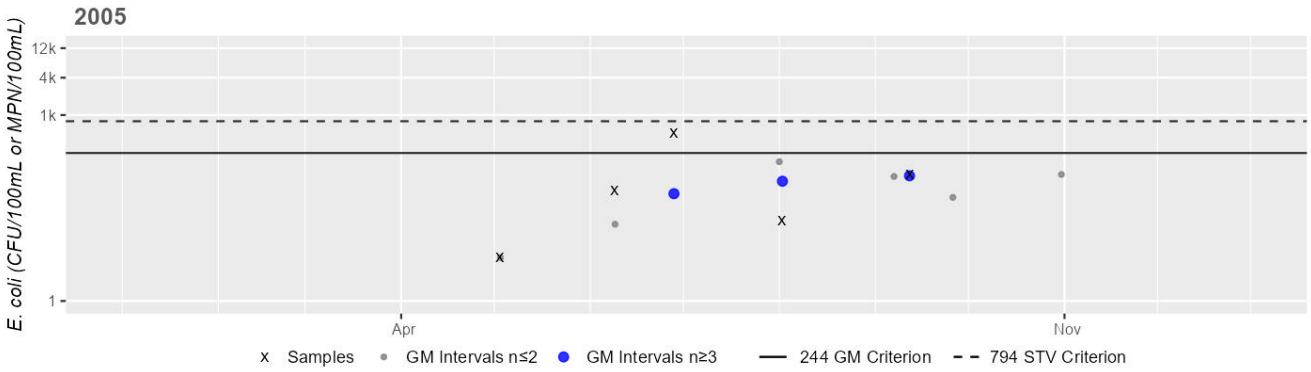
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1370	MassDEP	E. coli	05/03/05	09/12/05	5	5	520	50
W1371	MassDEP	E. coli	05/03/05	09/12/05	5	5	1400	55

Station MASSDEP_W1370 - Escherichia coli

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



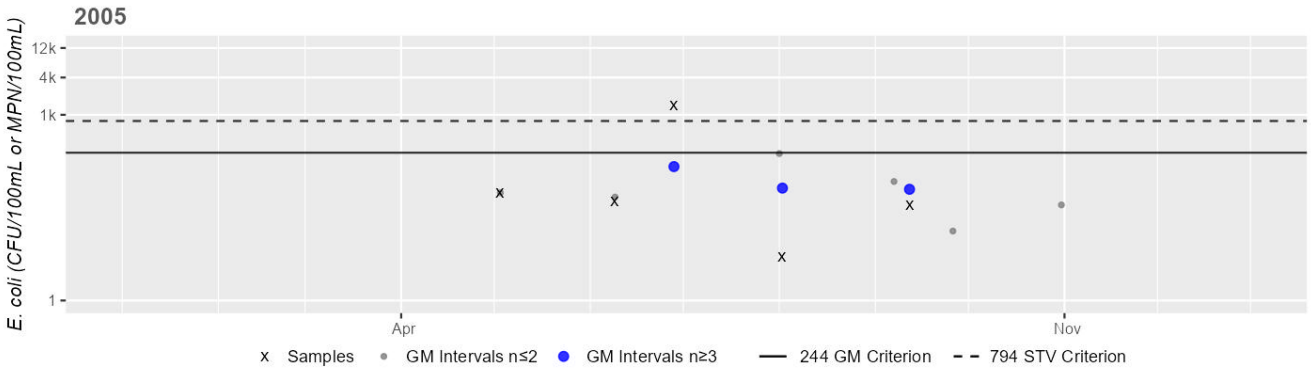
Variable*	Result
Samples	5
SeasGM	50
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1371 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	55
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Broad Marsh River (MA95-49)

Location:	Headwaters in salt marsh south of Marion Road and Bourne Terrace, Wareham to confluence with the Wareham River, Wareham.
AU Type:	ESTUARY
AU Size:	0.17 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172	Unchanged

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

Recommendations

2024/26 Recommendations
2024IR [Bacteria, Low] Follow-up monitoring should be conducted in Broad Marsh River (MA95-49), to confirm if *Enterococcus* bacteria is impairing the Primary Contact Recreational Use. Monitoring should be conducted in particular at the downstream end of the AU, in the area of Pinehurst Beach [Beach ID: 3179] in Wareham. An Alert for *Enterococcus* was identified since Pinehurst Beach was posted for >10% of the swimming season in 2022 (13%). While 7% of the season at this beach was posted in 2021, there were no postings in 2014-2020. This is of low priority;

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 Broad Marsh River (MA95-49) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Broad Marsh River (MA95-49): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.157 sq mi (94%) and the approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB36.11	Algelo Avenue	Prohibited	0.02091	12.5%
BB36.14	Tempest Knob	Conditionally Approved	0.00006	0.0%
BB36.8	Broad Marsh River	Conditionally Approved	0.10136	60.4%
BB36.9	North End of the River	Prohibited	0.03471	20.7%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Broad Marsh River (MA95-49) 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 the Broad Marsh River (MA95-49) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Pinehurst Beach [Beach ID: 3179] in Wareham indicated that this beach was rarely, if at all, posted for swimming from 2018-2022. However, an Alert for *Enterococcus* is being identified since Pinehurst Beach was posted for >10% of the swimming season in 2022 (13%). In addition, the shellfish growing areas (0.157 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Broad Marsh River.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
3179	Pinehurst/ Wareham	41.74580, -70.71060	41.74574, -70.71020	0%	0%	0%	0%	0%	0%	0%	7%	13%	1

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Broad Marsh River (MA95-49): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.157 sq mi (94%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for the Broad Marsh River (MA95-49) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Pinehurst beach [Beach ID: 3179] in Wareham indicated that this beach was rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.157 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Broad Marsh River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Broad Marsh River (MA95-49): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.157 sq mi (94%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Butler Cove (MA95-77)

Location:	just south of Buttermilk Bay, Wareham.
AU Type:	ESTUARY
AU Size:	0.05 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	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 Butler Cove (MA95-77) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert

Insufficient Information	NO

2024/26 Use Attainment Summary
Butler Cove (MA95-77): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0507 sq mi (98%). The approved shellfish growing area represents 0.0498 sq mi (96%) and the prohibited shellfish growing area represents 0.0008 sq mi (2%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB43.0	Fishermen Cove	Approved	0.04981	96.0%
BB43.2	Butler Cove	Prohibited	0.00079	1.5%
BB43.4	Macos and Budds	Conditionally Approved	0.00015	0.3%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Butler Cove (MA95-77) is Not Assessed.

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 Butler Cove (MA95-77), so it is assessed as having Insufficient Information. The shellfish growing areas (0.0507 sq mi) in this AU are less than 100% approved (0.0498 sq mi, 96%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Butler Cove.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Butler Cove (MA95-77): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0507 sq mi (98%). The approved shellfish growing area represents 0.0498 sq mi (96%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Butler Cove (MA95-77), so it is assessed as having Insufficient Information. The shellfish growing areas (0.0507 sq mi) in this AU are less than 100% approved (0.0498 sq mi, 96%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Butler Cove.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Butler Cove (MA95-77): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0507 sq mi (98%). The approved shellfish growing area represents 0.0498 sq mi (96%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Buttermilk Bay (MA95-01)

Location:	Bourne/Wareham.
AU Type:	ESTUARY
AU Size:	0.67 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nutrient/Eutrophication Biological Indicators	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 Buttermilk Bay (MA95-01) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Buttermilk Bay (MA95-01): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.6367 sq mi (96%) and the approved shellfish growing area represents 0.585 sq mi (88%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB44.0	Buttermilk Bay	Approved	0.58499	87.8%
BB44.11	Continental Marina	Prohibited	0.00212	0.3%
BB44.14	Wychunas Avenue	Conditionally Approved	0.00673	1.0%
BB44.3	Buttermilk Bay	Prohibited	0.00401	0.6%
BB44.4	Red Brook	Prohibited	0.00128	0.2%
BB44.5	Miller Cove	Conditionally Approved	0.03521	5.3%
BB44.7	Queen Sewell Cove	Prohibited	0.00207	0.3%
BB44.8	North Buttermilk Bay	Prohibited	0.00030	0.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Buttermilk Bay (MA95-01) 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 Buttermilk Bay (MA95-01) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Electric Avenue beach [Beach ID: 2660] and Hideaway Village Association beach [Beach ID: 2661] in Bourne and Indian Mound Beach beach [Beach ID: 5469] in Wareham indicated that these 3 beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.6367 sq mi) in this AU are less than 100% approved (0.585 sq mi, 88%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Buttermilk Bay.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2660	Electric Avenue/ Bourne	41.74899, -70.62030	41.74841, -70.61960	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
2661	Hideaway Village Association/ Bourne	41.76377, -70.62270	41.76374, -70.61700	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
5469	Indian Mound Beach/ Wareham	41.76050, -70.63030	41.75730, -70.62950	0%	0%	0%	0%	0%	0%	0%	0%	5%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Buttermilk Bay (MA95-01): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.6367 sq mi (96%). The approved shellfish growing area represents 0.585 sq mi (88%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Buttermilk Bay (MA95-01) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Electric Avenue beach [Beach ID: 2660] and Hideaway Village Association beach [Beach ID: 2661] in Bourne and Indian Mound Beach [Beach ID: 5469] in Wareham indicted that these 3 beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.6367 sq mi) in this AU are less than 100% approved (0.585 sq mi, 88%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Buttermilk Bay.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

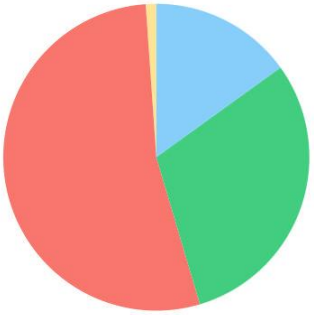
Summary
Buttermilk Bay (MA95-01): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.6367 sq mi (96%). The approved shellfish growing area represents 0.585 sq mi (88%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Buttonwood Brook (MA95-13)

Location:	Headwaters, Oakdale Street, New Bedford to mouth at Apponagansett Bay, Dartmouth (excluding the approximately 0.2 miles through Buttonwood Park Pond segment MA95020).
AU Type:	RIVER
AU Size:	3.6 MILES
Classification/Qualifier:	B

Buttonwood Brook (MA95-13)

Watershed Area: 2.99 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	2.99	2.74	1.03	1.01
Agriculture	1.1%	1.2%	1.8%	1.8%
Developed	53.5%	52.3%	35.2%	34.4%
Natural	30.3%	30.6%	32.2%	32.5%
Wetland	15.1%	15.8%	30.7%	31.2%
Impervious	26.1%	25.1%	16.8%	16.2%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Enterococcus	36170	Unchanged
4a	4a	Escherichia Coli (E. Coli)	36170	Unchanged
4a	4a	Fecal Coliform	36170	Unchanged

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

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
Fecal Coliform	Agriculture (N)	--	--	--	X	--
Fecal Coliform	Discharges from Municipal Separate Storm Sewer Systems (MS4) (N)	--	--	--	X	--
Fecal Coliform	Source Unknown (N)	--	--	--	X	--
Fecal Coliform	Unspecified Urban Stormwater (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 Buttonwood Brook (MA95-13) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Aesthetics Use for Buttonwood Brook (MA95-13) is assessed as Fully Supporting based on the general lack of objectionable conditions noted by MassDEP staff during the summer of 2011. MassDEP staff recorded aesthetics observations at 7 stations in New Bedford, a third of the way down Buttonwood Brook (all downstream of Buttonwood Park Pond), during the summer of 2011 for the Bacteria Source Tracking (BST) project, from up to downstream as follows: Walter Fuller Memorial Parkway (W1379, n=3), just upstream of the northern perimeter fence for Buttonwood Zoo (W2325, n=3), ~40 ft downstream of "concrete footbridge" in northern end of Buttonwood Zoo (W2326, n=3), immediately upstream of bison enclosure, Buttonwood Zoo (W2327, n=3), at check dam within bison enclosure, Buttonwood Zoo (W2328, n=2), just downstream of the southern perimeter fence for Buttonwood Zoo (W2330, n=2), and at the culvert entrance just upstream/east of Brownell Ave (W2331, n=3). No persistent objectionable conditions (i.e., odors, deposits, growths, or turbidity) were observed during any of the surveys.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1379	MassDEP	Water Quality	Buttonwood Brook	[Walter Fuller Memorial Parkway (downstream of Buttonwood Park Pond), New Bedford]	41.632064	-70.953597
W2325	MassDEP	Water Quality	Buttonwood Brook	[just upstream of northern perimeter fence for Buttonwood Zoo, New Bedford]	41.630991	-70.953251
W2326	MassDEP	Water Quality	Buttonwood Brook	[approximately 40 feet downstream of "concrete footbridge" in northern end of Buttonwood Zoo grounds, New Bedford]	41.630778	-70.952997
W2327	MassDEP	Water Quality	Buttonwood Brook	[immediately upstream of bison enclosure, Buttonwood Zoo, New Bedford]	41.629781	-70.952340
W2328	MassDEP	Water Quality	Buttonwood Brook	[at check dam within bison enclosure, Buttonwood Zoo, New Bedford]	41.629297	-70.952256
W2330	MassDEP	Water Quality	Buttonwood Brook	[just downstream of southern perimeter fence for Buttonwood Zoo, New Bedford]	41.629115	-70.952282
W2331	MassDEP	Water Quality	Buttonwood Brook	[at culvert entrance just upstream/east of Brownell Avenue, New Bedford]	41.627887	-70.953093

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W1379	2011	3	Aesthetic observations were made by MassDEP field sampling crews at Station W1379 on Buttonwood Brook (MA95-13) during 3 site visits between Jun 2011 and Sep 2011. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2325	2011	3	Aesthetic observations were made by MassDEP field sampling crews at Station W2325 on Buttonwood Brook (MA95-13) during 3 site visits between Jun 2011 and Sep 2011. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted moderate turbidity (n=3) and dense/very dense aquatic plants (n=2).
W2326	2011	3	Aesthetic observations were made by MassDEP field sampling crews at Station W2326 on Buttonwood Brook (MA95-13) during 3 site visits between Jun 2011 and Sep 2011. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W2327	2011	3	Aesthetic observations were made by MassDEP field sampling crews at Station W2327 on Buttonwood Brook (MA95-13) during 3 site visits between Jun 2011 and Sep 2011. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W2328	2011	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2328 on Buttonwood Brook (MA95-13) during 2 site visits between Aug 2011 and Sep 2011. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2330	2011	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2330 on Buttonwood Brook (MA95-13) during 2 site visits between Jun 2011 and Sep 2011. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2331	2011	3	Aesthetic observations were made by MassDEP field sampling crews at Station W2331 on Buttonwood Brook (MA95-13) during 3 site visits between Jun 2011 and Sep 2011. 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 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W1379	2011	3	3	0
W2325	2011	3	3	0
W2326	2011	3	3	0
W2327	2011	3	2	0
W2328	2011	2	2	0
W2330	2011	2	2	0
W2331	2011	3	3	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W1379	Buttonwood Brook	2011	Aquatic Plant Density, Overall	Dense	1	3
W1379	Buttonwood Brook	2011	Aquatic Plant Density, Overall	Moderate	1	3
W1379	Buttonwood Brook	2011	Aquatic Plant Density, Overall	Sparse	1	3
W1379	Buttonwood Brook	2011	Color	Light Yellow/Tan	2	3
W1379	Buttonwood Brook	2011	Color	None	1	3
W1379	Buttonwood Brook	2011	Odor	Musty (Basement)	3	3
W1379	Buttonwood Brook	2011	Periphyton Density, Filamentous	Moderate	2	3
W1379	Buttonwood Brook	2011	Periphyton Density, Filamentous	Sparse	1	3
W1379	Buttonwood Brook	2011	Periphyton Density, Film	Moderate	3	3
W1379	Buttonwood Brook	2011	Turbidity	Slightly Turbid	3	3
W2325	Buttonwood Brook	2011	Aquatic Plant Density, Overall	Dense	2	3
W2325	Buttonwood Brook	2011	Aquatic Plant Density, Overall	Moderate	1	3
W2325	Buttonwood Brook	2011	Color	Light Yellow/Tan	2	3
W2325	Buttonwood Brook	2011	Color	None	1	3
W2325	Buttonwood Brook	2011	Odor	Musty (Basement)	3	3
W2325	Buttonwood Brook	2011	Periphyton Density, Filamentous	Moderate	2	3
W2325	Buttonwood Brook	2011	Periphyton Density, Filamentous	Sparse	1	3
W2325	Buttonwood Brook	2011	Periphyton Density, Film	Moderate	3	3
W2325	Buttonwood Brook	2011	Turbidity	Moderately Turbid	3	3
W2326	Buttonwood Brook	2011	Aquatic Plant Density, Overall	Sparse	3	3

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2326	Buttonwood Brook	2011	Color	Light Yellow/Tan	1	3
W2326	Buttonwood Brook	2011	Color	None	2	3
W2326	Buttonwood Brook	2011	Odor	None	3	3
W2326	Buttonwood Brook	2011	Periphyton Density, Filamentous	None	3	3
W2326	Buttonwood Brook	2011	Periphyton Density, Film	Sparse	3	3
W2326	Buttonwood Brook	2011	Turbidity	Slightly Turbid	3	3
W2327	Buttonwood Brook	2011	Aquatic Plant Density, Overall	Dense	1	3
W2327	Buttonwood Brook	2011	Aquatic Plant Density, Overall	Moderate	1	3
W2327	Buttonwood Brook	2011	Aquatic Plant Density, Overall	Sparse	1	3
W2327	Buttonwood Brook	2011	Color	Light Yellow/Tan	1	3
W2327	Buttonwood Brook	2011	Color	None	2	3
W2327	Buttonwood Brook	2011	Odor	Musty (Basement)	1	3
W2327	Buttonwood Brook	2011	Odor	None	2	3
W2327	Buttonwood Brook	2011	Periphyton Density, Filamentous	None	1	3
W2327	Buttonwood Brook	2011	Periphyton Density, Filamentous	Sparse	1	3
W2327	Buttonwood Brook	2011	Periphyton Density, Filamentous	Unobservable	1	3
W2327	Buttonwood Brook	2011	Periphyton Density, Film	Sparse	2	3
W2327	Buttonwood Brook	2011	Periphyton Density, Film	Unobservable	1	3
W2327	Buttonwood Brook	2011	Turbidity	Moderately Turbid	2	3
W2327	Buttonwood Brook	2011	Turbidity	Slightly Turbid	1	3

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2328	Buttonwood Brook	2011	Aquatic Plant Density, Overall	None	2	2
W2328	Buttonwood Brook	2011	Color	Light Yellow/Tan	1	2
W2328	Buttonwood Brook	2011	Color	None	1	2
W2328	Buttonwood Brook	2011	Odor	Musty (Basement)	1	2
W2328	Buttonwood Brook	2011	Odor	Other (Farm/Animals)	1	2
W2328	Buttonwood Brook	2011	Periphyton Density, Filamentous	Moderate	1	2
W2328	Buttonwood Brook	2011	Periphyton Density, Filamentous	None	1	2
W2328	Buttonwood Brook	2011	Periphyton Density, Film	Moderate	1	2
W2328	Buttonwood Brook	2011	Periphyton Density, Film	Sparse	1	2
W2328	Buttonwood Brook	2011	Turbidity	Moderately Turbid	2	2
W2330	Buttonwood Brook	2011	Aquatic Plant Density, Overall	Sparse	2	2
W2330	Buttonwood Brook	2011	Color	Light Yellow/Tan	1	2
W2330	Buttonwood Brook	2011	Color	None	1	2
W2330	Buttonwood Brook	2011	Odor	Musty (Basement)	1	2
W2330	Buttonwood Brook	2011	Odor	Other (Farm/Animals)	1	2
W2330	Buttonwood Brook	2011	Periphyton Density, Filamentous	Sparse	2	2
W2330	Buttonwood Brook	2011	Periphyton Density, Film	Moderate	2	2
W2330	Buttonwood Brook	2011	Turbidity	Moderately Turbid	1	2
W2330	Buttonwood Brook	2011	Turbidity	Slightly Turbid	1	2
W2331	Buttonwood Brook	2011	Aquatic Plant Density, Overall	Sparse	3	3

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2331	Buttonwood Brook	2011	Color	Light Yellow/Tan	1	3
W2331	Buttonwood Brook	2011	Color	None	2	3
W2331	Buttonwood Brook	2011	Odor	Musty (Basement)	1	3
W2331	Buttonwood Brook	2011	Odor	None	2	3
W2331	Buttonwood Brook	2011	Periphyton Density, Filamentous	Sparse	3	3
W2331	Buttonwood Brook	2011	Periphyton Density, Film	Moderate	2	3
W2331	Buttonwood Brook	2011	Periphyton Density, Film	Sparse	1	3
W2331	Buttonwood Brook	2011	Turbidity	Moderately Turbid	2	3
W2331	Buttonwood Brook	2011	Turbidity	Slightly Turbid	1	3

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Buttonwood Brook (MA95-13) continues to be assessed as Not Supporting. The prior *Escherichia coli (E. coli)* impairment is being carried forward, elevated bacteria data at 3 stations in 2011 are reflective of the existing *Escherichia coli (E. coli)* impairment. The *Enterococcus* and Fecal Coliform impairments are also being carried forward and a Transparency / Clarity impairment is being added due to Secchi depth data not meeting the threshold at 1 station in 2021. The Buzzards Bay Coalition (BBC) collected Secchi depth data close to the downstream end of the AU at BBC_BWB1 [Buttonwood Brook, Dartmouth] in 2021. At station BBC_BWB1 (station depth=0.75 m) the Secchi depth measurements ranged from 0.25-0.6 m (n=2), with 2 measurements in September that were less than the 1.2 m (4 ft) threshold, which is indicative of a Transparency / Clarity impairment. MassDEP staff collected *E. coli* bacteria samples in Buttonwood Brook in 2011 at 7 stations in New Bedford (all downstream of Buttonwood Park Pond) for the Bacteria Source Tracking (BST) project. Samples were collected from the following stations/sample years from upstream to downstream: W1379 [Walter Fuller Memorial Parkway (downstream of Buttonwood Park Pond)] from Jun-Sep 2011 (n=3), W2325 [just upstream of northern perimeter fence for Buttonwood Zoo] from Jun-Sep 2011 (n=3), W2326 [~40 ft downstream of "concrete footbridge" in northern end of Buttonwood Zoo grounds] from Jun-Sep 2011 (n=3), W2327 [immediately upstream of bison enclosure, Buttonwood Zoo] from Jun-Sep 2011 (n=3), W2328 [at check dam within bison enclosure, Buttonwood Zoo] from Aug-Sep 2011 (n=2), W2330 [just downstream of southern perimeter fence for Buttonwood Zoo] from Jun-Sep 2011 (n=2) and furthest downstream at W2331 [at culvert entrance just upstream/E of Brownell Avenue] from Jun-Sep 2011 (n=3). The seasonal geomeans were 23, 343, 333, 72, 7,651, 2,065, and 619 CFU/100 ml from upstream to downstream for the 7 stations respectively. The data from all these 7 stations are all too limited according to the 2024 CALM to assess the Primary Contact Recreation Use (all single-year, low frequency datasets with no GMs of n≥ 3 samples within 90-day intervals), although it should be noted that most of the stations had at least 1 sample exceeding the 410 CFU/100ml STV i.e. 1 at W2325, 1 at W2326, 2 at W2328, 2 at W2330 & 2 at W2331. The *E. coli* data from stations W2328, W2330 and W2331 are particularly elevated and thus are reflective of the prior impairment (maximum concentrations of 24,196, 2,480 & 2,419 CFU/100ml respectively). Too limited recent *E. coli* data are available to assess the Primary Contact Recreational Use for Buttonwood Brook so it will continue to be assessed as Not Supporting with the *Enterococcus, Escherichia coli (E. coli),* and Fecal Coliform impairments all being carried forward. Prior to 2011, other BST work was conducted on Buttonwood Brook. The Buttonwood Park Zoo actively assisted and supported the BST sampling effort in and around the zoo property and at that time were also actively investigating and trialing ways to minimize their contribution to non-point source runoff in the watershed. The pond just upstream of the Walter E. Fuller Memorial Pkwy was observed to be a source of bacteria to the watershed, with its large population of waterfowl. No human sources were found in the watershed, including a neighborhood upstream of Rt.140 which was ruled out. No extensive additional BST work has been done in the Buttonwood Brook watershed by the MassDEP since 2011.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1379	MassDEP	Water Quality	Buttonwood Brook	[Walter Fuller Memorial Parkway (downstream of Buttonwood Park Pond), New Bedford]	41.632064	-70.953597
W2325	MassDEP	Water Quality	Buttonwood Brook	[just upstream of northern perimeter fence for Buttonwood Zoo, New Bedford]	41.630991	-70.953251
W2326	MassDEP	Water Quality	Buttonwood Brook	[approximately 40 feet downstream of "concrete footbridge" in northern end of Buttonwood Zoo grounds, New Bedford]	41.630778	-70.952997
W2327	MassDEP	Water Quality	Buttonwood Brook	[immediately upstream of bison enclosure, Buttonwood Zoo, New Bedford]	41.629781	-70.952340
W2328	MassDEP	Water Quality	Buttonwood Brook	[at check dam within bison enclosure, Buttonwood Zoo, New Bedford]	41.629297	-70.952256
W2330	MassDEP	Water Quality	Buttonwood Brook	[just downstream of southern perimeter fence for Buttonwood Zoo, New Bedford]	41.629115	-70.952282
W2331	MassDEP	Water Quality	Buttonwood Brook	[at culvert entrance just upstream/east of Brownell Avenue, New Bedford]	41.627887	-70.953093

Bacteria Data

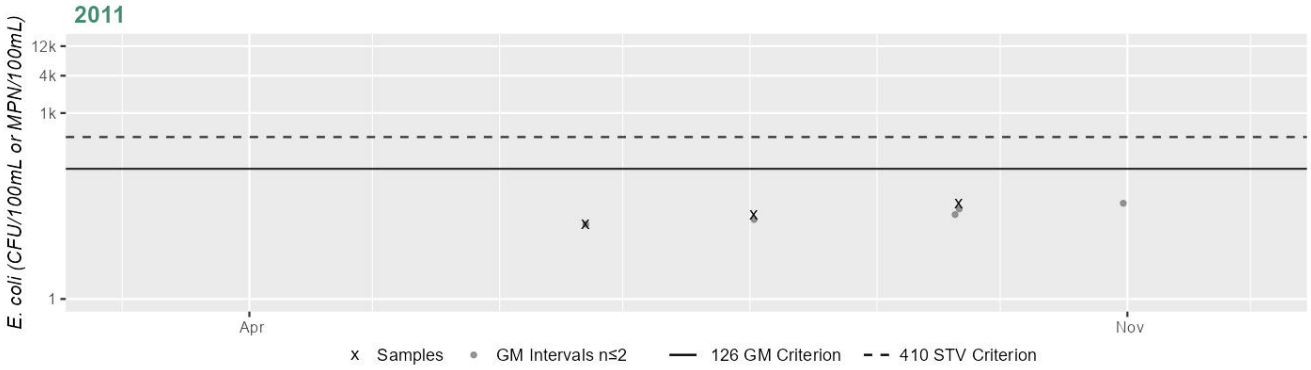
Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (MassDEP Undated 9) (MassDEP Undated 5)

[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
W1379	MassDEP	E. coli	06/22/11	09/21/11	3	16	35	23
W2325	MassDEP	E. coli	06/22/11	09/21/11	3	147	1410	342
W2326	MassDEP	E. coli	06/22/11	09/21/11	3	131	770	332
W2327	MassDEP	E. coli	06/22/11	09/21/11	3	60	79	71
W2328	MassDEP	E. coli	08/02/11	09/21/11	2	2419	24196	7651
W2330	MassDEP	E. coli	06/22/11	09/21/11	2	1720	2480	2065
W2331	MassDEP	E. coli	06/22/11	09/21/11	3	219	2419	619

Station MASSDEP_W1379 - Escherichia coli

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



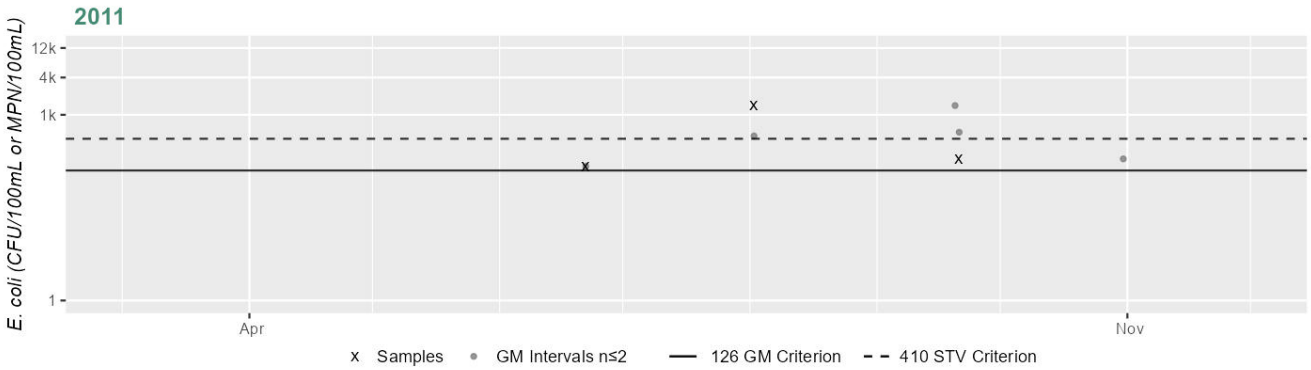
Variable*	Result
Samples	3
SeasGM	23
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2325 - Escherichia coli

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



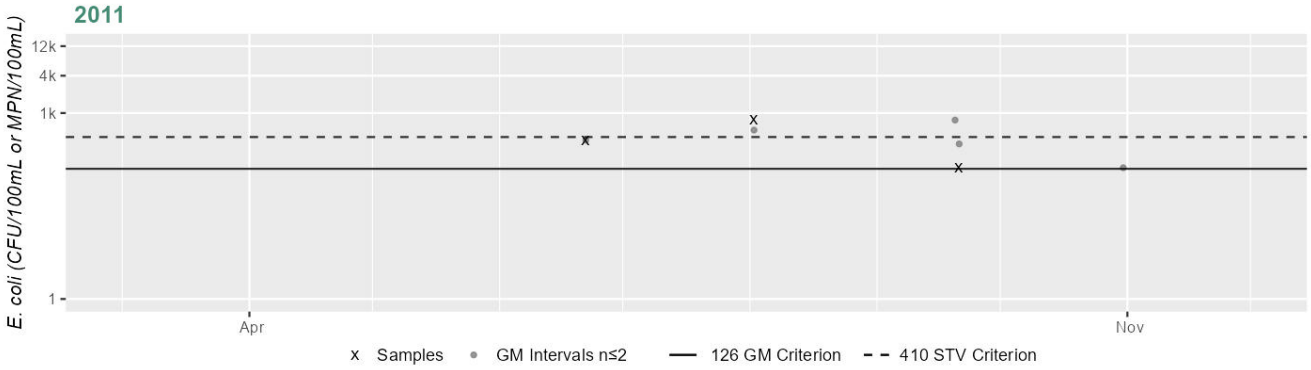
Variable*	Result
Samples	3
SeasGM	342
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	33%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2326 - Escherichia coli

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



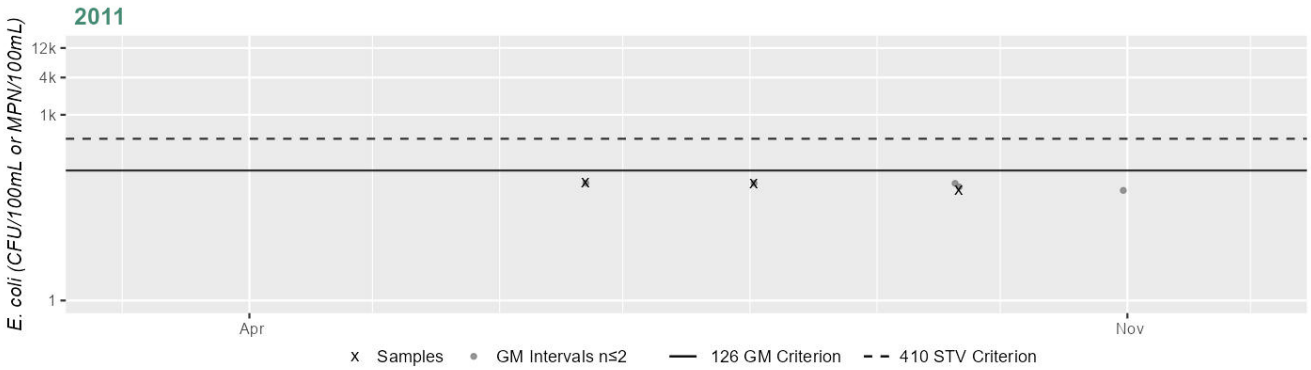
Variable*	Result
Samples	3
SeasGM	332
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	33%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2327 - Escherichia coli

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



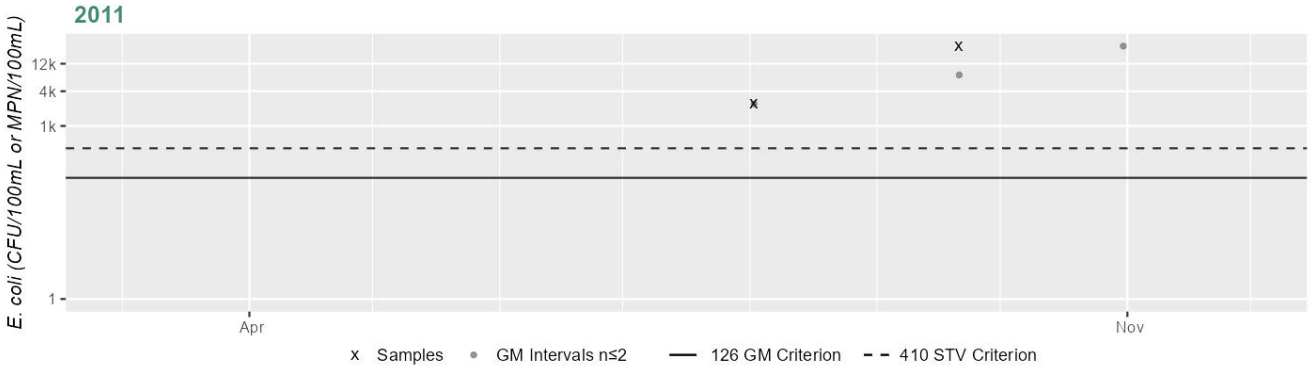
Variable*	Result
Samples	3
SeasGM	71
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2328 - Escherichia coli

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



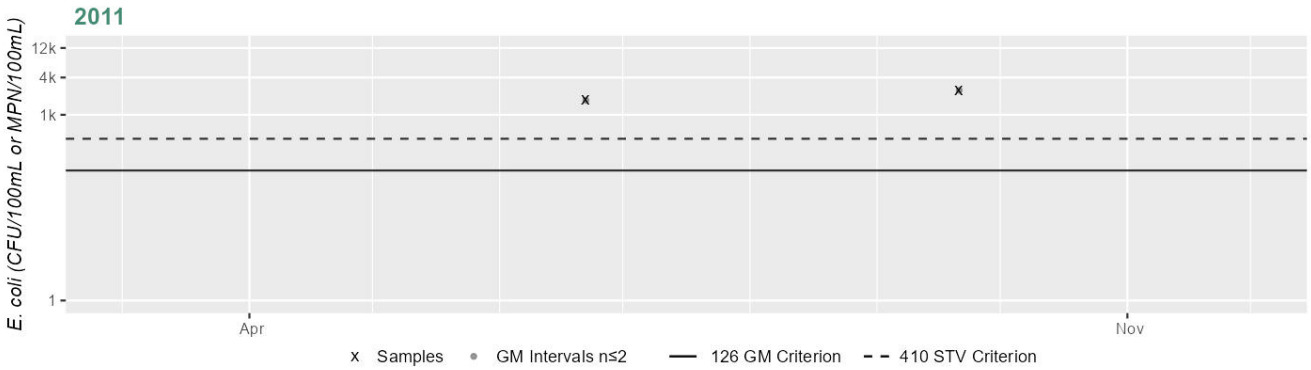
Variable*	Result
Samples	2
SeasGM	7651
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	2
%n>STV	100%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2330 - Escherichia coli

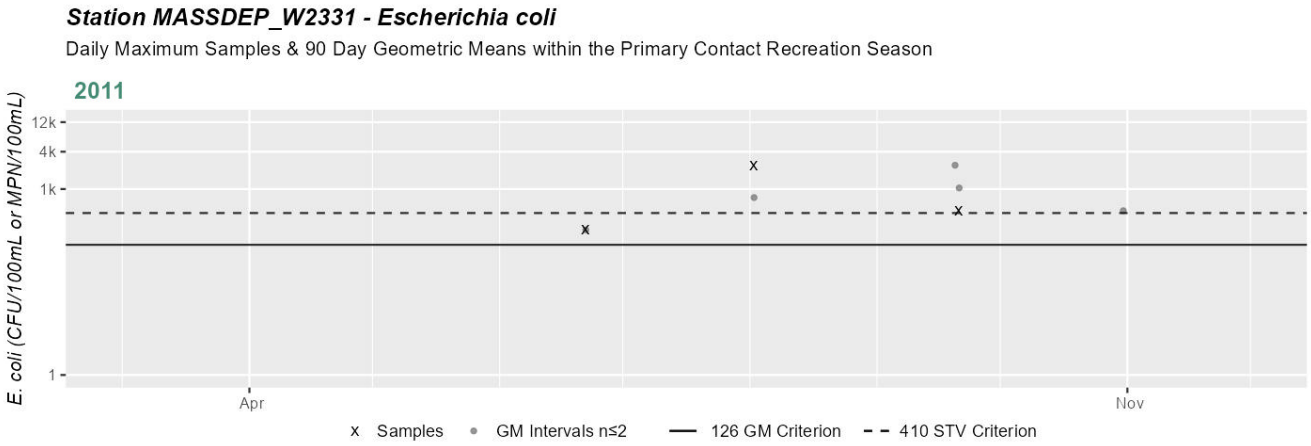
Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



Variable*	Result
Samples	2
SeasGM	2065
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	2
%n>STV	100%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*



Variable*	Result
Samples	3
SeasGM	619
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	2
%n>STV	66%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

*Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.

Summary Statement for 2011-2019 MassDEP Bacteria Source Tracking (BST) Data (MassDEP Undated 1)

Summary
Prior to 2011, BST work was conducted at 13 sites on the Buttonwood Brook AU (MA95-13), most located in and around the middle of the AU, with a max *E. coli* concentration of 155,310MPN, noted during wet weather conditions. Additional BST work was conducted at 12 sites on the brook in 2011, with *E. coli* concentrations ranging 16 to 24,196MPN (covers both dry and wet weather conditions). The Buttonwood Park Zoo actively assisted and supported the BST sampling effort in and around the zoo property; they are also actively investigating and trialing ways to minimize their contribution to non-point source runoff in the watershed. The pond just upstream of the Walter E. Fuller Memorial Pkwy was observed to be a source of bacteria to the watershed, with its large population of waterfowl. No human sources were found in the AU, including a neighborhood upstream of Rt.140 which was ruled out.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2021	In Buttonwood Brook (MA95-13), Buzzards Bay Coalition (BBC) collected Secchi data at BBC_BWB1 [41.604595, -70.955893, Buttonwood Brook, Dartmouth] in 2021. At station BBC_BWB1 (station depth=0.75 m) the Secchi depth measurements ranged from 0.25-0.6 m (n=2), with 2 measurements in September 2021 that were less than the 1.2 m (4 ft) threshold. The Secchi depth measurements are indicative of a Transparency / Clarity impairment due to conditions at BBC_BWB1.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Buttonwood Brook (MA95-13) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward. An *Escherichia coli (E. coli)* impairment is being added based on a re-evaluation of bacteria data not meeting the threshold at 1 station in 2005. MassDEP staff collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in Buttonwood Brook from 2005-2011 at 7 stations in New Bedford and 1 station in Dartmouth (all downstream of Buttonwood Park Pond), with all current window data collected for the Bacteria Source Tracking (BST) project. Samples were collected from the following stations/sample years from upstream to downstream: W1379 [Walter Fuller Memorial Parkway (downstream of Buttonwood Park Pond)] from May-Sep 2005 (historic n=5) and Jun-Sep 2011 (current n=3), W2325 [just upstream of northern perimeter fence for Buttonwood Zoo] from Jun-Sep 2011 (n=3), W2326 [~40 ft downstream of "concrete footbridge" in northern end of Buttonwood Zoo grounds] from Jun-Sep 2011 (n=3), W2327 [immediately upstream of bison enclosure, Buttonwood Zoo] from Jun-Sep 2011 (n=3), W2328 [at check dam within bison enclosure, Buttonwood Zoo] from Aug-Sep 2011 (n=2), W2330 [just downstream of southern perimeter fence for Buttonwood Zoo] from Jun-Sep 2011 (n=2), W2331 [at culvert entrance just upstream/E of Brownell Avenue] from Jun-Sep 2011 (n=3), and at the very downstream end of the AU at W1378 [Elm St, Dartmouth] from May-Sep 2005 (n=5). Analysis of the historic single year limited frequency *E. coli* dataset just downstream of Buttonwood Park Pond (at station W1379) indicated 100% of intervals had GMs >244 CFU/100ml, 1 sample exceeded the 794 CFU/100ml STV (1,100 CFU) and the overall GM was 220 CFU/100ml, which is indicative of an *Escherichia coli (E. coli)* impairment. All the "current window" data are too limited according to the 2024 CALM to assess the Primary Contact Recreation Use (all single-year, low frequency datasets with no GMs of n≥ 3 samples within 90-day intervals), although it should be noted that some of the stations had at least 1 sample exceeding the 794 CFU/100ml STV i.e. 1 at W2325 (max 1,410 CFU), 2 at W2328 (max 24,196 CFU) 2 at W2330 (max 2,480 CFU) & 1 at W2331 (max 2,419 CFU), thus also being reflective of the impairment. Prior to 2011, other BST work was conducted on Buttonwood Brook. The Buttonwood Park Zoo actively assisted and supported the BST sampling effort in and around the zoo property and at that time were also actively investigating and trialing ways to minimize their contribution to non-point source runoff in the watershed. The pond just upstream of the Walter E. Fuller Memorial Pkwy was observed to be a source of bacteria to the watershed, with its large population of waterfowl. No human sources were found in the watershed, including a neighborhood upstream of Rt.140 which was ruled out. No extensive additional BST work has been done in the Buttonwood Brook watershed by the MassDEP since 2011.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1378	MassDEP	Water Quality	Buttonwood Brook	[Elm Street, Dartmouth]	41.601569	-70.958906
W1379	MassDEP	Water Quality	Buttonwood Brook	[Walter Fuller Memorial Parkway (downstream of Buttonwood Park Pond), New Bedford]	41.632064	-70.953597
W2325	MassDEP	Water Quality	Buttonwood Brook	[just upstream of northern perimeter fence for Buttonwood Zoo, New Bedford]	41.630991	-70.953251
W2326	MassDEP	Water Quality	Buttonwood Brook	[approximately 40 feet downstream of "concrete footbridge" in northern end of Buttonwood Zoo grounds, New Bedford]	41.630778	-70.952997
W2327	MassDEP	Water Quality	Buttonwood Brook	[immediately upstream of bison enclosure, Buttonwood Zoo, New Bedford]	41.629781	-70.952340
W2328	MassDEP	Water Quality	Buttonwood Brook	[at check dam within bison enclosure, Buttonwood Zoo, New Bedford]	41.629297	-70.952256
W2330	MassDEP	Water Quality	Buttonwood Brook	[just downstream of southern perimeter fence for Buttonwood Zoo, New Bedford]	41.629115	-70.952282
W2331	MassDEP	Water Quality	Buttonwood Brook	[at culvert entrance just upstream/east of Brownell Avenue, New Bedford]	41.627887	-70.953093

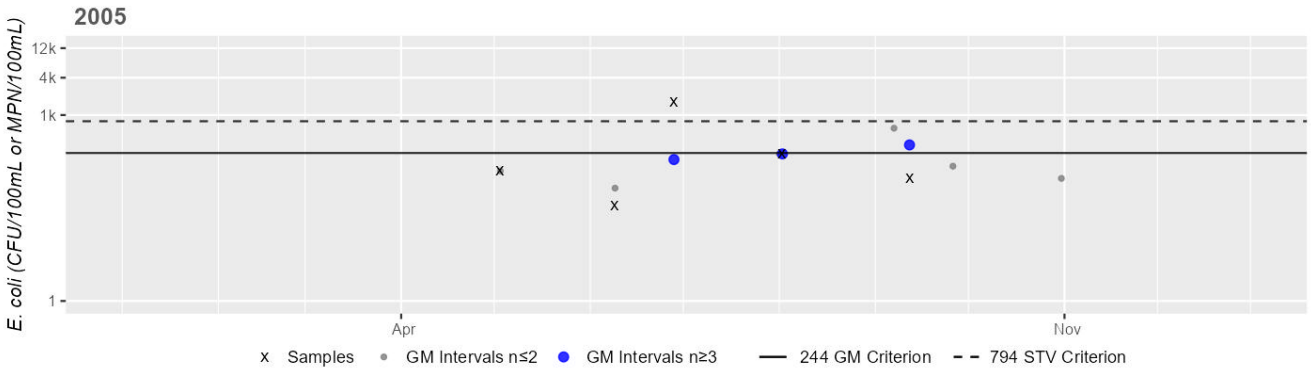
Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (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
W1378	MassDEP	E. coli	05/03/05	09/12/05	5	35	1600	173
W1379	MassDEP	E. coli	05/03/05	09/12/05	5	85	1100	220
W1379	MassDEP	E. coli	06/22/11	09/21/11	3	16	35	23
W2325	MassDEP	E. coli	06/22/11	09/21/11	3	147	1410	342
W2326	MassDEP	E. coli	06/22/11	09/21/11	3	131	770	332
W2327	MassDEP	E. coli	06/22/11	09/21/11	3	60	79	71
W2328	MassDEP	E. coli	08/02/11	09/21/11	2	2419	24196	7651
W2330	MassDEP	E. coli	06/22/11	09/21/11	2	1720	2480	2065
W2331	MassDEP	E. coli	06/22/11	09/21/11	3	219	2419	619

Station MASSDEP_W1378 - Escherichia coli

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



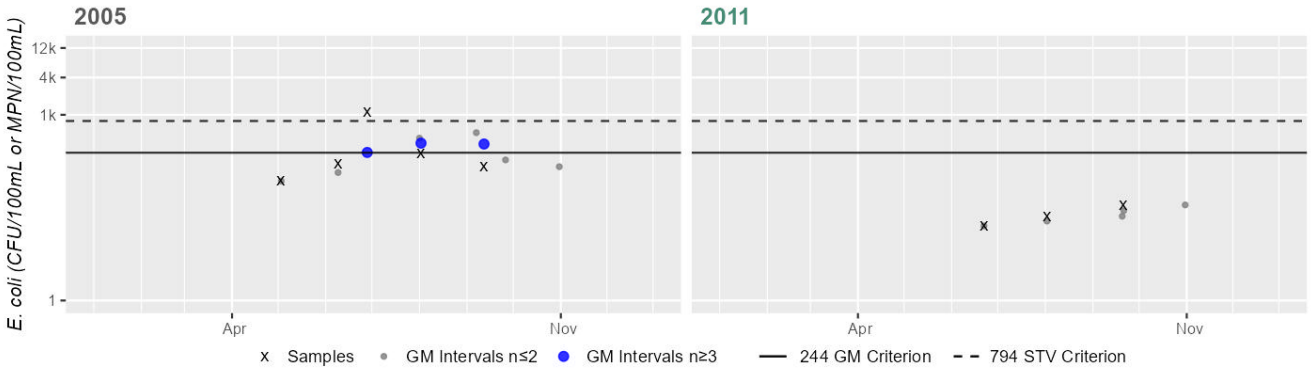
Variable*	Result
Samples	5
SeasGM	173
#GMI	3
#GMI Ex	1
%GMI Ex	33%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Historic (1997-2010)
33%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1379 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	220
#GMI	3
#GMI Ex	3
%GMI Ex	100%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Historic (1997-2010)
100%

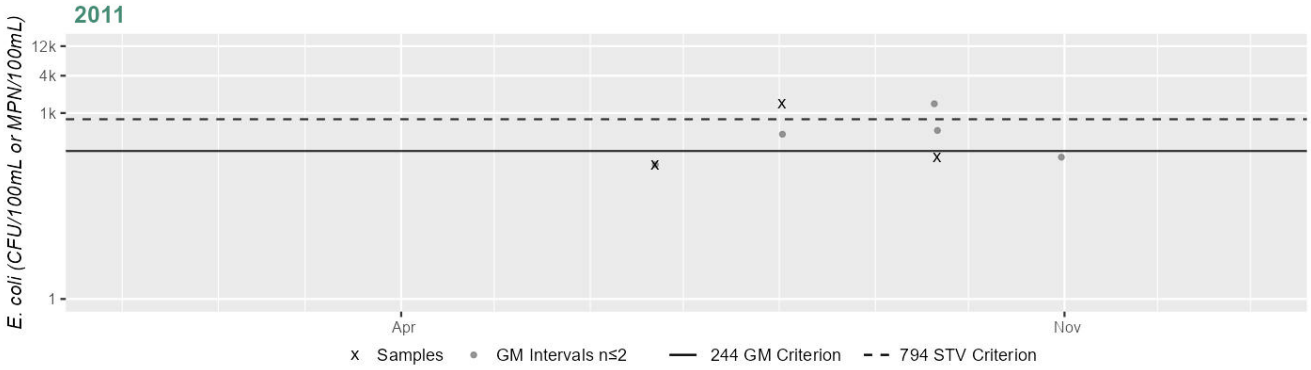
Variable*	Result
Samples	3
SeasGM	23
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2325 - Escherichia coli

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



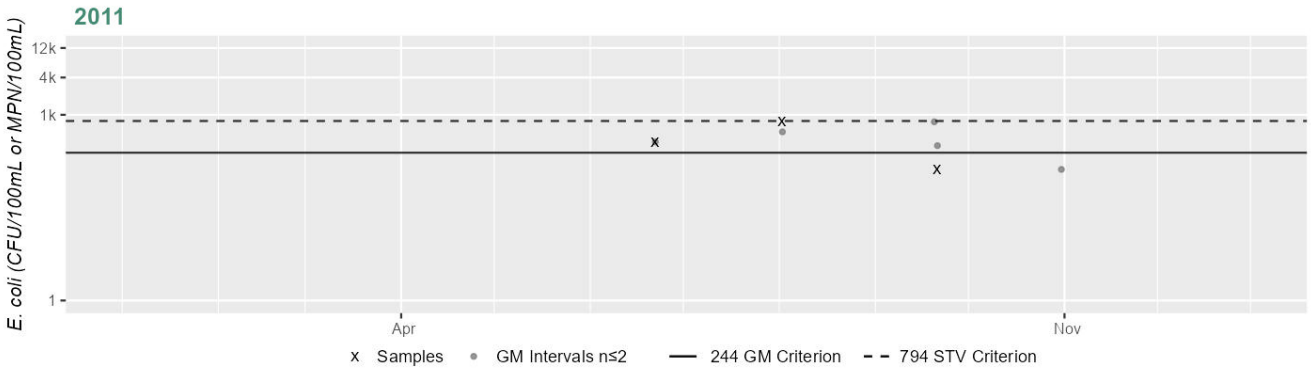
Variable*	Result
Samples	3
SeasGM	342
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	33%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2326 - Escherichia coli

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



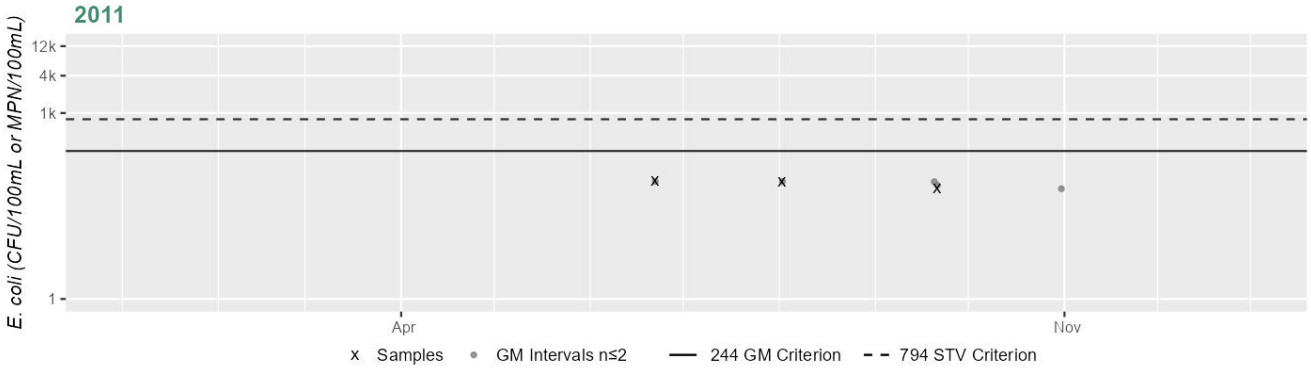
Variable*	Result
Samples	3
SeasGM	332
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2327 - Escherichia coli

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



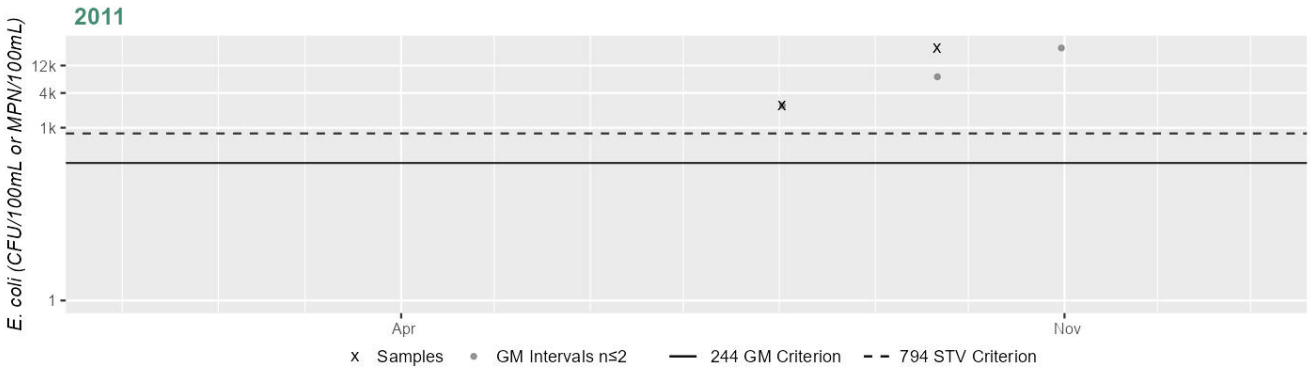
Variable*	Result
Samples	3
SeasGM	71
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2328 - Escherichia coli

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



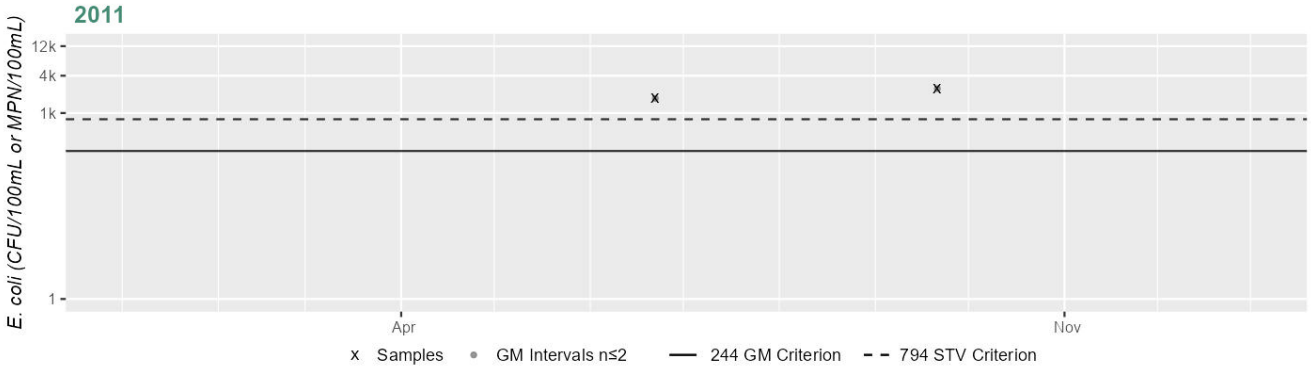
Variable*	Result
Samples	2
SeasGM	7651
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	2
%n>STV	100%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2330 - Escherichia coli

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



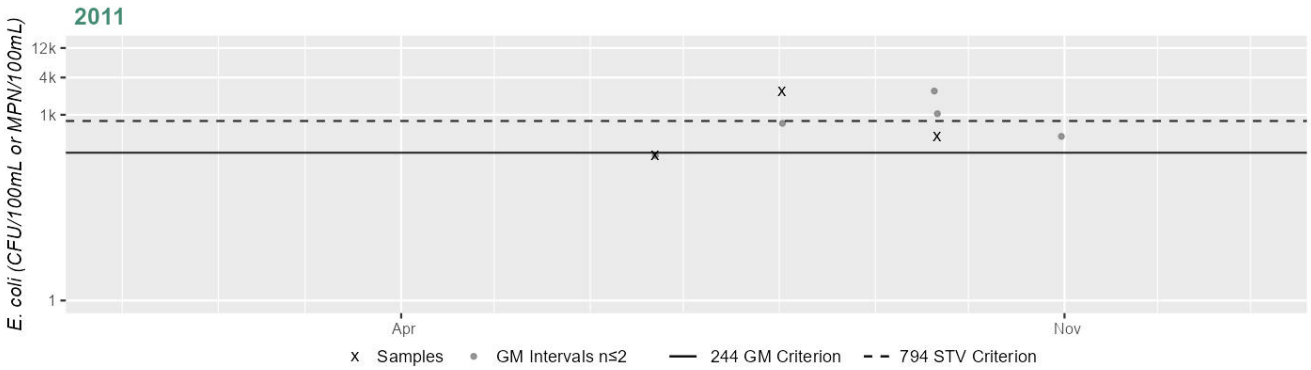
Variable*	Result
Samples	2
SeasGM	2065
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	2
%n>STV	100%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2331 - Escherichia coli

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



Variable*	Result
Samples	3
SeasGM	619
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	33%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Buttonwood Park Pond (MA95020)

Location:	New Bedford.
AU Type:	FRESHWATER LAKE
AU Size:	12 ACRES
Classification/Qualifier:	B

No usable data were available for Buttonwood Park Pond (MA95020) 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

Buzzards Bay (MA95-62)

Location:	Open water area encompassed within a line drawn from Wilber Point, Fairhaven to Clarks Point, New Bedford to Ricketson Point, Dartmouth to vacinity of Samoset Street, Dartmouth down to Round Hill Point, Dartmouth and back to Wilber Point, Fairhaven.
AU Type:	ESTUARY
AU Size:	8.07 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	PCBs in Fish Tissue	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
PCBs in Fish Tissue	CERCLA NPL (Superfund) Sites (Y)	--	X	--	--	--	--
PCBs in Fish Tissue	Contaminated Sediments (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 Buzzards Bay (MA95-62) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue impairment is being carried forward. MDPH included a site-specific advisory for Buzzards Bay (referred to by MDPH as ''Area II of New Bedford Harbor'' or ''Area III of New Bedford Harbor'') in their 2017 Guide to Eating Fish Safely in Massachusetts. The public should refer to the most recent MDPH information for the most up to date meal advice for sensitive and general populations.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Buzzards Bay (MA95-62): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 8.0705 sq mi (100%) and the approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB11.0	Dartmouth East Coastal South	Conditionally Approved	0.86310	10.7%
BB11.2	Dartmouth East Coastal North	Prohibited	3.99317	49.5%
BB13.0	Clarks Cove	Prohibited	0.00000	0.0%
BB14.2	New Bedford East Coastal North	Prohibited	3.21408	39.8%
BB15.0	New Bedford/Fairhaven Harbor	Prohibited	0.00015	0.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Buzzards Bay (MA95-62) 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 Buzzards Bay (MA95-62) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Nonquitt beach [Beach ID: 2738] in Dartmouth indicated that this beach was never posted for swimming from 2018-2022. In addition, the shellfish growing areas (8.0705 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Buzzards Bay.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2738	Nonquitt/ Dartmouth	41.55648, -70.93540	41.56100, -70.93660	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Buzzards Bay (MA95-62): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 8.0705 sq mi (100%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Buzzards Bay (MA95-62) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Nonquitt beach [Beach ID: 2738] in Dartmouth indicated that this beach was never posted for swimming from 2018-2022. In addition, the shellfish growing areas (8.0705 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Buzzards Bay.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Buzzards Bay (MA95-62): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 8.0705 sq mi (100%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Cape Cod Canal (MA95-14)

Location:	Waterway between Buzzards Bay and Cape Cod Bay, Bourne/Sandwich.
AU Type:	ESTUARY
AU Size:	1.17 SQUARE MILES
Classification/Qualifier:	SB: SFR

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36171	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Cape Cod Canal (MA95-14) is Not Assessed.

Monitoring Stations

Fish Consumption Advisories

Fish Tissue Data

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Cape Cod Canal (MA95-14): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.1333 sq mi (97%). The sum of the approved, conditionally approved, and restricted shellfish growing areas represents 0 sq mi (0%) and the prohibited shellfish growing area represents 1.1333 sq mi (97%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment, so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB43.8	Jefferson Road	Prohibited	0.00000	0.0%
BB45.0	Cape Cod Canal	Prohibited	1.13332	96.9%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Cape Cod Canal (MA95-14) is Not Assessed.

Monitoring Stations

Aesthetic Observations

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 Cape Cod Canal (MA95-14) so it is assessed as having Insufficient Information. The shellfish growing areas (1.1333 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Cape Cod Canal.

Monitoring Stations

Bacteria Data

Beach Postings

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Cape Cod Canal (MA95-14): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.1333 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Other Indicators

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 Cape Cod Canal (MA95-14), so it is assessed as having Insufficient Information. The shellfish growing areas (1.1333 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Cape Cod Canal.

Monitoring Stations

Bacteria Data

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Cape Cod Canal (MA95-14): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.1333 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Cedar Dell Lake (MA95021)

Location:	Dartmouth.
AU Type:	FRESHWATER LAKE
AU Size:	23 ACRES
Classification/Qualifier:	B

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

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 Cedar Dell Lake (MA95021) 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 Cedar Dell Lake (MA95021) 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 Cedar Dell Lake (MA95021) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on bacteria data not meeting the threshold at 1 station in 2019. UMass - Dartmouth (UMassD) staff/volunteers collected *Enterococcus* bacteria samples on the East side of Cedar Dell Lake at UMassD_10 [Trail to the lake from Dell dormitory access Rd, Dartmouth] from Jun-Sep 2019 (n=15). Analysis of the single year high frequency dataset from this station indicated that 79% of intervals had GMs >35 CFU/100ml and 13% of samples exceeded the 130 CFU/100ml STV (maximum 435 CFU), which is indicative of an *Enterococcus* impairment.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
UMassD_10	UMass - Dartmouth	Water Quality	Cedar Dell Lake	Trail to the lake from Dell dormitory access road, Dartmouth	41.624881	-71.015245

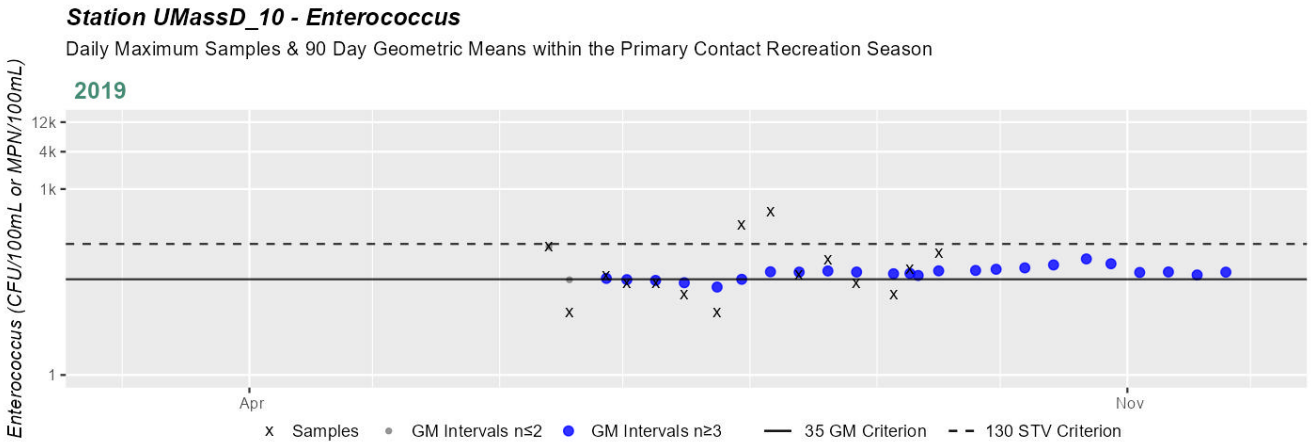
Bacteria Data

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

(UMass-Dartmouth 2019) (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
UMassD_10	Umass - Dartmouth	Enterococci	06/13/19	09/16/19	15	10	435	45



Variable*	Result
Samples	15
SeasGM	45
#GMI	24
#GMI Ex	19
%GMI Ex	79%
n>STV	2
%n>STV	13%

Cumulative %GMI Exceedance
Current (2011-2022)
79%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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 Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Cedar Dell Lake (MA95021) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Cedar Island Creek (MA95-52)

Location:	Estuarine portion southwest of the intersection of Parker Drive and Camardo Drive, Wareham to the mouth at Marks Cove, Wareham.
AU Type:	ESTUARY
AU Size:	0.01 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Cedar Island Creek (MA95-52) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert

Not Supporting	NO

2024/26 Use Attainment Summary
Cedar Island Creek (MA95-52): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0105 sq mi (81%). The approved shellfish growing area represents 0.0039 sq mi (31%) and the prohibited shellfish growing area represents 0.0065 sq mi (51%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment, so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB36.0	Wareham River	Approved	0.00394	30.6%
BB36.7	Cedar Island Creek	Prohibited	0.00653	50.7%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Cedar Island Creek (MA95-52) is Not Assessed.

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 Cedar Island Creek (MA95-52), so it is assessed as having Insufficient Information. The shellfish growing areas (0.0105 sq mi) in this AU are less than 100% approved (0.0039 sq mi, 31%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Cedar Island Creek based on shellfish classification data.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Cedar Island Creek (MA95-52): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0105 sq mi (81%). The approved shellfish growing area represents 0.0039 sq mi (31%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Cedar Island Creek (MA95-52), so it is assessed as having Insufficient Information. The shellfish growing areas (0.0105 sq mi) in this AU are less than 100% approved (0.0039 sq mi, 31%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Cedar Island Creek.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Cedar Island Creek (MA95-52): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0105 sq mi (81%). The approved shellfish growing area represents 0.0039 sq mi (31%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Cedar Lake (MA95-96344)

Location:	Falmouth (formerly reported as 2010 segment: Cedar Lake MA96344).
AU Type:	FRESHWATER LAKE
AU Size:	20 ACRES
Classification/Qualifier:	B

No usable data were available for Cedar Lake (MA95-96344) 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

Charge Pond (MA95025)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	16 ACRES
Classification/Qualifier:	B

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 Charge Pond (MA95025) 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 Charge Pond (MA95025) 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 Charge Pond (MA95025) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Charge Pond (DCR) beach [Beach ID: 4629] in Plymouth, indicated that this beach was rarely, if at all, posted for swimming from 2018-2022.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
4629	Charge Pond (DCR)/ Plymouth	41.81760, -70.67560	41.81740, -70.67430	0%	1%	0%	1%	0%	0%	0%	0%	0%	0

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Charge Pond (MA95025) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Charge Pond (DCR) beach [Beach ID: 4629] in Plymouth, indicated that this beach was rarely, if at all, posted for swimming from 2018-2022.

Clarks Cove (MA95-38)

Location:	The semi-enclosed waterbody landward of a line drawn between Clarks Point, New Bedford and Ricketsons Point, Dartmouth.
AU Type:	ESTUARY
AU Size:	1.9 SQUARE MILES
Classification/Qualifier:	SA: SFO, CSO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Enterococcus	36172	Unchanged
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nitrogen, Total	--	Unchanged
5	5	PCBs in Fish Tissue	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Enterococcus	Combined Sewer Overflows (Y)	--	--	--	--	X	X
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Combined Sewer Overflows (Y)	--	--	X	--	--	--
Fecal Coliform	Discharges from Municipal Separate Storm Sewer Systems (MS4) (Y)	--	--	X	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	Municipal (Urbanized High Density Area) (Y)	--	--	X	--	--	--
Nitrogen, Total	Source Unknown (N)	X	--	--	--	--	--
PCBs in Fish Tissue	CERCLA NPL (Superfund) Sites (Y)	--	X	--	--	--	--
PCBs in Fish Tissue	Contaminated Sediments (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 Clarks Cove (MA95-38) continues to be assessed as Not Supporting with the prior PCBs in Fish Tissue impairment being carried forward. MDPH included a site-specific advisory for Clarks Cove (referred to by MDPH as ''Area II of New Bedford Harbor'') in their 2017 Guide to Eating Fish Safely in Massachusetts. The public should refer to the most recent MDPH information for the most up to date meal advice for sensitive and general populations.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

Clarks Cove (MA95-38): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.8852 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 1.8852 sq mi (99%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment, so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB11.2	Dartmouth East Coastal North	Prohibited	0.00013	0.0%
BB13.0	Clarks Cove	Prohibited	1.88510	99.2%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Clarks Cove (MA95-38) 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 Clarks Cove (MA95-38) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on the presence of CSOs with MDPH Beach Closures data at 1 beach in 2019 & another beach in 2022 also being reflective of this existing impairment. Clarks Cove has 9 beaches with MDPH Beach Closure data: Jones Town South [Beach ID: 2736], Oak Hill Shores [Beach ID: 5214], Hidden Bay [Beach ID: 2727], Anthony Beach [Beach ID: 2728] and Jones Town North [Beach ID: 5600] beaches in Dartmouth and 400 Beach [Beach ID: 3016], J. Beach [Beach ID: 3025], Kids Beach [Beach ID: 3012] and Squid [Beach ID: 3021] beaches in New Bedford. All the beaches were rarely, if at all, posted for swimming from 2018-2022, although it should be noted that Jones Town Beach South was posted for >10% of the swimming season in 2022 (11%) and Oak Hill Shores was posted for >10% of the swimming season in 2019 (14%); also Hidden Bay was posted for 7% of the bathing season in 2015 and 2016 (historic postings at this beach >10% of the swimming season had occurred in 2006, 2008, and 2009). These beach postings are all reflective of the existing *Enterococcus* impairment. The shellfish growing areas (1.8852 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Clarks Cove. In addition, there is a presumptive *Enterococcus* impairment decision in place for Clarks Cove due to the presence of active CSO outfalls.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2727	Hidden Bay/ Dartmouth	41.60226, -70.93030	41.60307, -70.92960	0%	7%	7%	0%	0%	0%	0%	0%	3%	0
2728	Anthony Beach/ Dartmouth	41.59093, -70.93000	41.59238, -70.92790	0%	0%	0%	0%	0%	0%	0%	0%	3%	0
2736	Jones Town Beach South/ Dartmouth	41.60539, -70.93080	41.60470, -70.93070	0%	0%	1%	0%	0%	7%	0%	0%	11%	1
3012	Kids Beach/ New Bedford	41.60840, -70.91790	41.60692, -70.91720	4%	3%	0%	1%	0%	2%	0%	2%	0%	0
3016	400 Beach/ New Bedford	41.60588, -70.91620	41.60697, -70.91750	3%	2%	0%	1%	0%	3%	0%	1%	0%	0
3016	400 Beach/ New Bedford	41.60588, -70.91620	41.60697, -70.91750	3%	2%	0%	1%	0%	3%	0%	1%	0%	0

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
3021	Squid/ New Bedford	41.60224, -70.91390	41.60189, -70.91330	4%	4%	0%	1%	0%	2%	0%	1%	0%	0
3025	J. Beach/ New Bedford	41.60569, -70.91630	41.60525, -70.91530	4%	3%	0%	1%	0%	2%	0%	2%	0%	0
5214	Oak Hill Shores/ Dartmouth	41.59730, -70.92860	41.59680, -70.92830	0%	0%	0%	0%	0%	14%	0%	0%	3%	1
5600	Jones Town Beach North/ Dartmouth	41.60604, -70.93100	41.60539, -70.93080	0%	0%	0%	0%	0%	0%	0%	0%	3%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Clarks Cove (MA95-38): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.8852 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Clarks Cove (MA95-38) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on the presence of CSOs. Clarks Cove has 9 beaches with MDPH Beach Closure data: Jones Town South [Beach ID: 2736], Oak Hill Shores [Beach ID: 5214], Hidden Bay [Beach ID: 2727], Anthony Beach [Beach ID: 2728] and Jones Town North [Beach ID: 5600] beaches in Dartmouth and 400 Beach [Beach ID: 3016], J. Beach [Beach ID: 3025], Kids Beach [Beach ID: 3012] and Squid [Beach ID: 3021]. All the beaches were rarely, if at all, posted for swimming from 2018-2022, although it should be noted that Jones Town Beach South was posted for >10% of the swimming season in 2022 (11%) and Oak Hill Shores was posted for >10% of the swimming season in 2019 (14%); also Hidden Bay was posted for 7% of the bathing season in 2015 and 2016 (historic postings at this beach >10% of the swimming season had occurred in 2006, 2008, and 2009. The shellfish growing areas (1.8852 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Clarks Cove. There is a presumptive *Enterococcus* impairment decision in place due to the presence of active CSO outfalls.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Clarks Cove (MA95-38): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.8852 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Cohasset Narrows (MA95-109)

Location:	Waters southwest of Route 6 and landward of a line from Sias Point to the northwestern tip of the Cape Cod Canal (excluding Butler Cove and the Bourne Marina area), Wareham.
AU Type:	ESTUARY
AU Size:	0.38 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
--	5	Fecal Coliform	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Cohasset Narrows (MA95-109) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Cohasset Narrows (MA95-109): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.367 sq mi (97%). The approved shellfish growing area represents 0.3434 sq mi (91%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications, a Fecal Coliform impairment is being added.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB43.0	Fishermen Cove	Approved	0.34324	91.1%
BB43.1	Cleveland Avenue	Prohibited	0.00304	0.8%
BB43.4	Macos and Budds	Conditionally Approved	0.01024	2.7%
BB43.6	Bourne Marina	Prohibited	0.00000	0.0%
BB43.8	Jefferson Road	Prohibited	0.01032	2.7%
BB44.0	Buttermilk Bay	Approved	0.00014	0.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Cohasset Narrows (MA95-109) is Not Assessed.

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 Cohasset Narrows (MA95-109) so it is assessed as having Insufficient Information. The shellfish growing areas (0.367 sq mi) in this AU are less than 100% approved (0.3434 sq mi, 91%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Cohasset Narrows.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Cohasset Narrows (MA95-109): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.367 sq mi (97%). The approved shellfish growing area represents 0.3434 sq mi (91%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Cohasset Narrows (MA95-109), so it is assessed as having Insufficient Information. The shellfish growing areas (0.367 sq mi) in this AU are less than 100% approved (0.3434 sq mi, 91%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Cohasset Narrows.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Cohasset Narrows (MA95-109): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.367 sq mi (97%). The approved shellfish growing area represents 0.3434 sq mi (91%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Cohasset Narrows (MA95-111)

Location:	Marina area off the eastern shore, southwest of Route 6, Bourne.
AU Type:	ESTUARY
AU Size:	0.01 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
--	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 Cohasset Narrows (MA95-111) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Cohasset Narrows (MA95-111): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0087 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0087 sq mi (99%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB43.6	Bourne Marina	Prohibited	0.00870	98.6%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Cohasset Narrows (MA95-111) is Not Assessed.

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 Cohasset Narrows (MA95-111), so it is assessed as having Insufficient Information. The shellfish growing areas (0.0087 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Cohasset Narrows.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Cohasset Narrows (MA95-111): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0087 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Cohasset Narrows (MA95-111) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0087 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Cohasset Narrows.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Cohasset Narrows (MA95-111): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0087 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

College Pond (MA95030)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	47 ACRES
Classification/Qualifier:	B

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 College Pond (MA95030) 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 College Pond (MA95030) 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 College Pond (MA95030) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for College Pond Day Use (DCR) beach [Beach ID: 4630] in Plymouth indicated that this beach was rarely, if at all, posted for swimming from 2018-2022.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
4630	College Pond Day Use (DCR)/ Plymouth	41.86996, -70.66530	41.86928, -70.66000	0%	2%	0%	0%	0%	1%	0%	0%	0%	0

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for College Pond (MA95030) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for College Pond Day Use (DCR) beach [Beach ID: 4630] in Plymouth indicated that this beach was rarely, if at all, posted for swimming from 2018-2022.

Copicut Reservoir (MA95175)

Location:	Dartmouth/Fall River.
AU Type:	FRESHWATER LAKE
AU Size:	596 ACRES
Classification/Qualifier:	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 Copicut Reservoir (MA95175) 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 Copicut Reservoir in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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 Copicut Reservoir (MA95175) 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 Copicut Reservoir (MA95175) are available, so the Primary Contact Recreation Use is Not Assessed.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

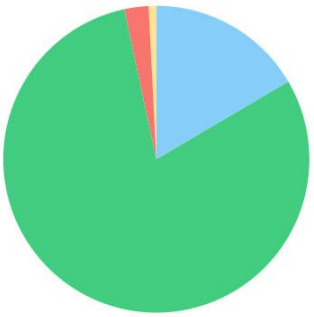
2024/26 Use Attainment Summary
No bacteria or other indicator data for Copicut Reservoir (MA95175) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Copicut River (MA95-43)

Location:	Headwaters, outlet of Copicut Reservoir, Fall River to mouth at inlet of Cornell Pond, Dartmouth.
AU Type:	RIVER
AU Size:	1.3 MILES
Classification/Qualifier:	A: PWS, ORW (Tributary)

Copicut River (MA95-43)

Watershed Area: 7.86 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	7.86	5.26	3.72	2.49
Agriculture	0.8%	1.2%	0.8%	1.2%
Developed	2.6%	3.6%	1.6%	2.3%
Natural	80.1%	85.5%	70.7%	81.3%
Wetland	16.6%	9.7%	26.9%	15.2%
Impervious	1%	1.4%	0.7%	0.9%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Mercury in Fish Tissue	--	Unchanged
5	5	PCBs 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	--	--	--
PCBs in Fish Tissue	CERCLA NPL (Superfund) Sites (Y)	--	X	--	--	--
PCBs in Fish Tissue	Contaminated Sediments (Y)	--	X	--	--	--

Recommendations

2024/26 Recommendations
2016IR [Turbidity, Low] Conduct follow-up observations of aesthetics in Copicut River (MA95-43), at stations {W1365} & {W1399} to determine if Turbidity is impairing the Aesthetics Use. An Alert was previously identified for Highly Turbid waters noted in 2005 by MassDEP staff, just downstream of the driveway to the Rod and Gun Club of New Bedford, east off North Hixville Road, Dartmouth (stations W1365 & W1399). This is a low priority;

Designated Use Attainment Decisions

Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Fish Consumption Use for Copicut River (MA95-43) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue and Mercury in Fish Tissue impairment is being carried forward. MDPH included a site-specific advisory for Copicut River in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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 Copicut River (MA95-43), so it is Not Assessed. The prior Alert identified for Turbidity is being carried forward, though recommendations will be made for additional monitoring to determine if Turbidity is still of concern in the Copicut River. This Alert was based on the observation of Highly Turbid waters noted in 2005 by MassDEP staff, just downstream of the driveway to the Rod and Gun Club of New Bedford, east off North Hixville Road, Dartmouth (W1365 & W1399) (MassDEP Undated 8). The prior Alert identified for High Phosphorus concentrations based on data collected just downstream from the New Bedford Rod and Gun Club driveway (W1365 & W1399) in the summer of 2005 is being removed from the Aesthetics Use (due to redundant duplication across multiple Uses); a discussion pertaining to the phosphorus concentrations for this AU in 2005 was included in the Aquatic Life Use summary in the 2016IR (MassDEP Undated 8), at which time water quality conditions were determined to be generally good.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for the Copicut River (MA95-43) are available, so the Primary Contact Recreation Use is Not Assessed. The prior Alert identified for Turbidity is being removed from the Recreational Uses but continues to be maintained under the Aesthetics Use. Since the prior Alert identified for High Phosphorus was removed from the Aesthetics Use, it is also being removed from the Primary Contact Recreation Use.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary

No bacteria or other indicator data for the Copicut River (MA95-43) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. The prior Alert identified for Turbidity is being removed from the Recreational Uses but continues to be maintained under the Aesthetics Use. Since the prior Alert identified for High Phosphorus was removed from the Aesthetics Use, it is also being removed from the Secondary Contact Recreation Use. MassDEP staff collected *E. coli* bacteria samples in the Copicut River in 2005 at 2 stations located about half-way down the AU, from upstream to downstream as follows: W1365 [just downstream of the driveway to the Rod and Gun Club of New Bedford, E off N Hixville Rd, Dartmouth (primary outlet at guardrail)] from May-Jun 2005 (n=3) and W1399 [just downstream of the driveway to the Rod and Gun Club of New Bedford, E off N Hixville Rd, Dartmouth (secondary outlet 150 ft W of guardrails)] from Sep 2005 (n=1). Analysis of the historic single year limited frequency *E. coli* dataset from W1365 indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM was 16 CFU/100ml, which meets 2024 CALM guidance. Historic *E. coli* data from W1399 are too limited according to the 2024 CALM to assess the Secondary Contact Recreation Use. However, 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
W1365	MassDEP	Water Quality	Copicut River	[just downstream of the driveway to the Rod and Gun Club of New Bedford, east off North Hixville Road, Dartmouth (primary outlet at guardrail)]	41.692833	-71.033195
W1399	MassDEP	Water Quality	Copicut River	[just downstream of the driveway to the Rod and Gun Club of New Bedford, east off North Hixville Road, Dartmouth (secondary outlet 150 feet west of guardrails)]	41.692768	-71.033551

Bacteria Data

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

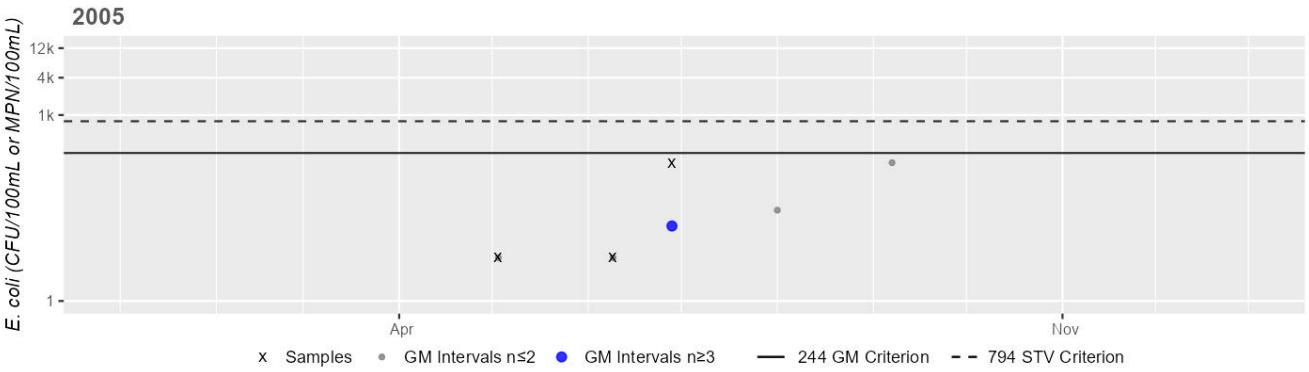
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1365	MassDEP	E. coli	05/03/05	06/28/05	3	5	170	16
W1399	MassDEP	E. coli	09/12/05	09/12/05	1	5	5	4

Station MASSDEP_W1365 - Escherichia coli

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



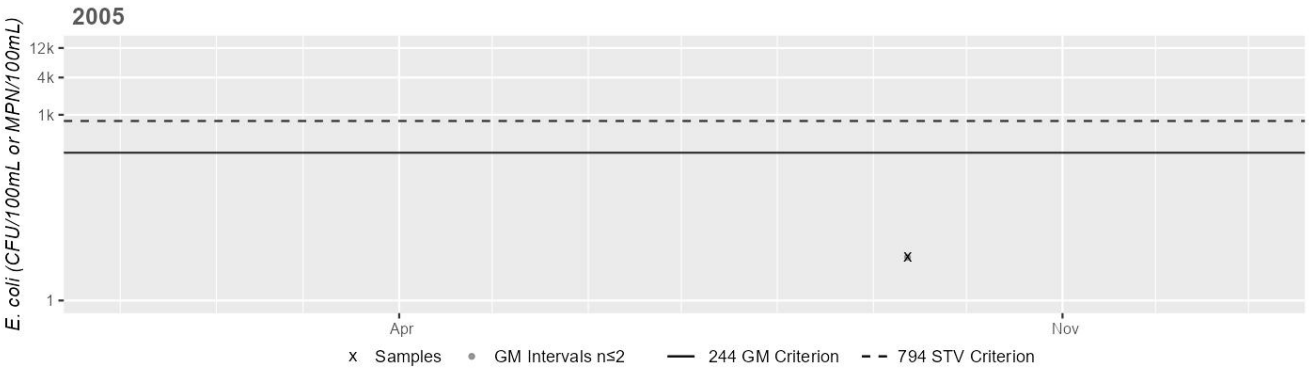
Variable*	Result
Samples	3
SeasGM	16
#GMI	1
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1399 - Escherichia coli

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



Variable*	Result
Samples	1
SeasGM	5
#GMI	0
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Cornell Pond (MA95031)

Location:	Dartmouth.
AU Type:	FRESHWATER LAKE
AU Size:	12 ACRES
Classification/Qualifier:	A: PWS, ORW (Tributary)

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Mercury in Fish Tissue	33880	Unchanged
5	5	PCBs in Fish Tissue	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Mercury in Fish Tissue	Atmospheric Deposition (Y)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--
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 Cornell Pond (MA95031) continues to be assessed as Not Supporting and the prior Mercury in Fish Tissue and PCBs in Fish Tissue impairment is being carried forward. MDPH included a site-specific advisory for Cornell Pond in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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 Cornell Pond (MA95031) 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 Cornell Pond (MA95031) 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 Cornell Pond (MA95031) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Crane Brook Bog Pond (MA95033)

Location:	Carver.
AU Type:	FRESHWATER LAKE
AU Size:	37 ACRES
Classification/Qualifier:	B

No usable data were available for Crane Brook Bog Pond (MA95033) 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
5	5	(Non-Native Aquatic Plants*)	--	Unchanged
5	5	Algae	--	Unchanged
5	5	Phosphorus, Total	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Non-Native Aquatic Plants*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Algae	Source Unknown (N)	X	--	X	X	X
Phosphorus, Total	Source Unknown (N)	X	--	--	--	--

Crooked River (MA95-51)

Location:	Estuarine portion east of Indian Neck Road, Wareham to the confluence with the Wareham River, Wareham.
AU Type:	ESTUARY
AU Size:	0.04 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Enterococcus	36172	Added
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Enterococcus	Source Unknown (N)	--	--	--	--	X	--
Fecal Coliform	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 Crooked River (MA95-51) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Crooked River (MA95-51): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0377 sq mi (86%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0377 sq mi (86%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB36.0	Wareham River	Approved	0.00004	0.1%
BB36.1	Crooked River	Prohibited	0.03769	85.5%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Crooked River (MA95-51) 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 Crooked River (MA95-51) is assessed as Not Supporting. An *Enterococcus* impairment is being added due to MDPH Beach Closures data not meeting the threshold at 1 beach in 2021 & 2022. Crooked River has 2 beaches with MDPH Beach Closure data: Forbes [Beach ID: 3186] and Standish Shores [Beach ID: 5462] beaches in Wareham. The Forbes beach was posted for >10% of the swimming season in 2021 (48%) and 2022 (13%) indicating an *Enterococcus* impairment. The shellfish growing areas (0.0377 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Crooked River.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
3186	Forbes/ Wareham	41.74169, -70.69960	41.74139, -70.69930	0%	0%	0%	0%	0%	2%	0%	48%	13%	2
5462	Standish Shores/ Wareham	41.74143, -70.70290	41.74180, -70.70180	0%	0%	8%	1%	0%	0%	5%	3%	12%	1

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Crooked River (MA95-51): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0377 sq mi (86%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 the Crooked River (MA95-51) so it is assessed as having Insufficient Information. Crooked River has 2 beaches with MDPH Beach Closure data: Forbes [Beach ID: 3186] and Standish Shores [Beach ID: 5462] beaches in Wareham. Available MDPH Beach Closure data cannot be used to positively assess the Secondary Contact Recreation Use since Forbes beach was posted for >10% of the swimming season in 2021 and 2022. In addition, the shellfish growing areas (0.0377 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Crooked River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Crooked River (MA95-51): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0377 sq mi (86%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Curlew Pond (MA95034)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	43 ACRES
Classification/Qualifier:	B

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 Curlew Pond (MA95034) 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 Curlew Pond (MA95034) 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 Curlew Pond (MA95034) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data from Curlew Pond (DCR) beach [Beach ID: 4631] in Plymouth indicated that this beach was rarely, if at all, posted for swimming from 2018-2022.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
4631	Curlew Pond (DCR)/ Plymouth	41.89142, -70.70020	41.89180, -70.70000	0%	1%	0%	0%	0%	0%	0%	0%	0%	0

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Curlew Pond (MA95034) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data from Curlew Pond (DCR) beach [Beach ID: 4631] in Plymouth indicated that this beach was rarely, if at all, posted for swimming from 2018-2022.

Deer Pond (MA95036)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	9 ACRES
Classification/Qualifier:	B

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 Deer Pond (MA95036) 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 Deer Pond (MA95036) is Not Assessed.

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 Deer Pond (MA95036) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. The Town of Plymouth (PLY) collected Secchi depth data at deep hole station PLY_Deer_DeepHole in 2014. Secchi depth data were too limited (n <3) to evaluate water clarity using data from station PLY_Deer_DeepHole in 2014 (n=1, 3.6m), although the measurement did meet the 1.2 m (4 ft) threshold.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2014	In Deer Pond (MA95036), the Town of Plymouth (PLY) collected Secchi data at PLY_Deer_DeepHole [41.820786, -70.624895, Deep spot]. In 2014 at station PLY_Deer_DeepHole (station depth=5.5 m) the Secchi depth (n=1) was measured to be 3.6 m on Aug 26, 2014 indicating water clarity meeting the 1.2 m (4 ft) threshold.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Deer Pond (MA95036) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Destruction Brook (MA95-90)

Location:	Headwaters west of Fisher Road, Dartmouth to mouth at confluence with Slocums River, Dartmouth.
AU Type:	RIVER
AU Size:	3 MILES
Classification/Qualifier:	B

No usable data were available for Destruction Brook (MA95-90) 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

Dicks Pond (MA95038)

Location:	Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	42 ACRES
Classification/Qualifier:	B

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 Dicks Pond (MA95038) 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 Dicks Pond (MA95038) is Not Assessed.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Too limited bacteria data are available to assess the Primary Contact Recreation Use for Dicks Pond (MA95038) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. EPA National Aquatic Resources Survey (NARS_WQX) collected Secchi depth and cyanotoxins data at station NARS_WQX-NLA_MA-10011 in 2017 and Secchi depth, cyanobacteria cell count, and cyanotoxins data at station NARS_WQX-NLA12_MA-101 in 2012. These Secchi depth data are generally indicative of water clarity, meeting the 1.2m (4ft) threshold, i.e., at station NARS_WQX-NLA12_MA-101 in 2012 (station depth=not recorded) the Secchi depth measurements ranged from 1.05-1.75 m (n=2) with 1 measurement taken on Sep 21, 2012 that was less than the 1.2 m (4 ft) threshold. In 2017 at station NARS_WQX-NLA_MA-10011 (station depth=3.3 m) the Secchi depth measurements ranged from 1.45-2.25 m (n=2) indicating water clarity meeting the threshold. Also, the cyanobacteria cell count did not exceed 70,000 cells/mL in any of the water samples collected at NARS_WQX-NLA12_MA-101 in 2012 (n=2). Analysis of microcystins and cylindrospermopsin samples from NARS_WQX-NLA12_MA-101 in 2012 (n=2) and NARS_WQX-NLA_MA-10011 in 2017 (n=4) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. EPA (NARS_WQX) staff also collected *E. coli* bacteria samples in Dicks Pond at station NARS_WQX-NLA_MA-10011 from Jul-Aug 2017 (n=2). The available data at this station are too limited to assess the Primary Contact Recreation Use according to the 2024 CALM, although it should be noted that 1 sample greatly exceeded the 410 CFU/100ml STV in 2017 (1,203 CFU).

Monitoring Stations

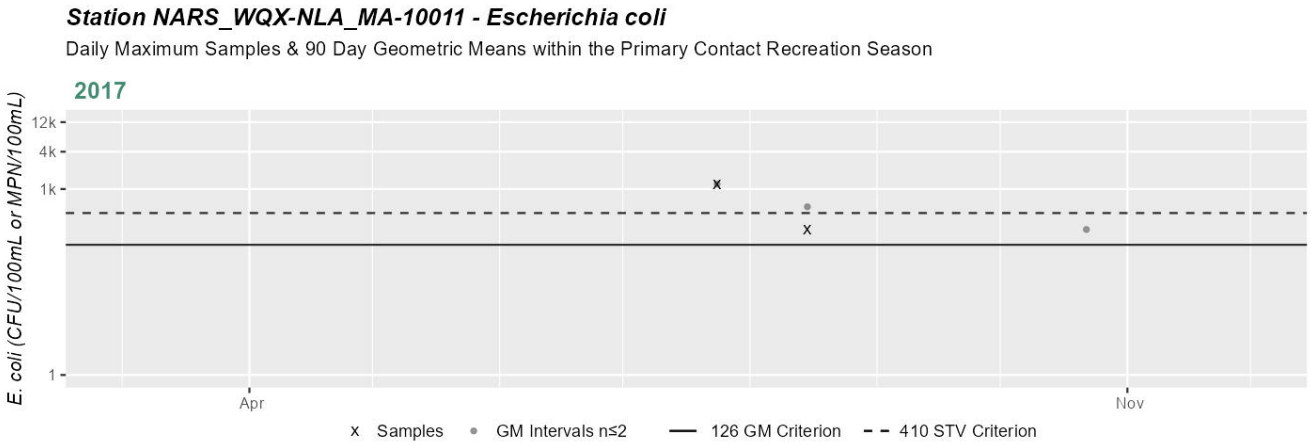
Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
NARS_WQX-NLA_MA-10011	EPA National Aquatic Resources Survey (NARS)	Water Quality	Dicks Pond	Dicks Pond	41.760190	-70.657550

Bacteria Data

Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (EPA 2024) (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
NARS_WQX-NLA_MA-10011	EPA National Aquatic Resources Survey (NARS)	E. coli	07/24/17	08/15/17	2	222	1203	517



Variable*	Result
Samples	2
SeasGM	517
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	50%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (NWQMC 2025) (MassDEP Undated 3)

Data Year(s)	Summary
2012, 2017	In Dicks Pond (MA95038), EPA (NARS_WQX) collected Secchi and cyanotoxin data at NARS_WQX-NLA_MA-10011 in 2017, and Secchi, cyanobacteria cell count, and cyanotoxin data at NARS_WQX-NLA12_MA-101 [41.759984, -70.655988, NLA12_MA-101] in 2012. In 2012 at station NARS_WQX-NLA12_MA-101 (station depth=not recorded) the Secchi depth measurements ranged from 1.05-1.75 m (n=2) with 1 measurement taken on Sep 21, 2012 that was less than the 1.2 m (4 ft) threshold. In 2017 at station NARS_WQX-NLA_MA-10011 (station depth=3.3 m) the Secchi depth measurements ranged from 1.45-2.25 m (n=2) 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 collected at NARS_WQX-NLA12_MA-101 in 2012 (n=2). Analysis of microcystins and cylindrospermopsin samples from NARS_WQX-NLA12_MA-101 in 2012 (n=2) and NARS_WQX-NLA_MA-10011 in 2017 (n=4) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Too limited bacteria data are available to assess the Secondary Contact Recreation Use for Dicks Pond (MA95038) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. EPA National Aquatic Resources Survey (NARS_WQX) collected cyanobacteria cell count and cyanotoxins data at station NARS_WQX-NLA12_MA-101 in 2012 and cyanotoxins data at NARS_WQX-NLA_MA-10011 in 2017. The cyanobacteria cell count did not exceed 70,000 cells/ml in any of the water samples in 2012 (n=2). Also analysis of microcystins and cylindrospermopsin samples from NARS_WQX-NLA12_MA-101 in 2012 (n=2) and NARS_WQX-NLA_MA-10011 in 2017 (n=4) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. EPA (NARS_WQX) staff also collected *E. coli* bacteria samples in Dicks Pond at station NARS_WQX-NLA_MA-10011 from Jul-Aug 2017 (n=2). The available data at this station are too limited to assess the Secondary Contact Recreation Use according to the 2024 CALM, although it should be noted that one sample exceeded the 794 CFU/100ml STV in 2017 (1,203 CFU).

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
NARS_WQX-NLA_MA-10011	EPA National Aquatic Resources Survey (NARS)	Water Quality	Dicks Pond	Dicks Pond	41.760190	-70.657550

Bacteria Data

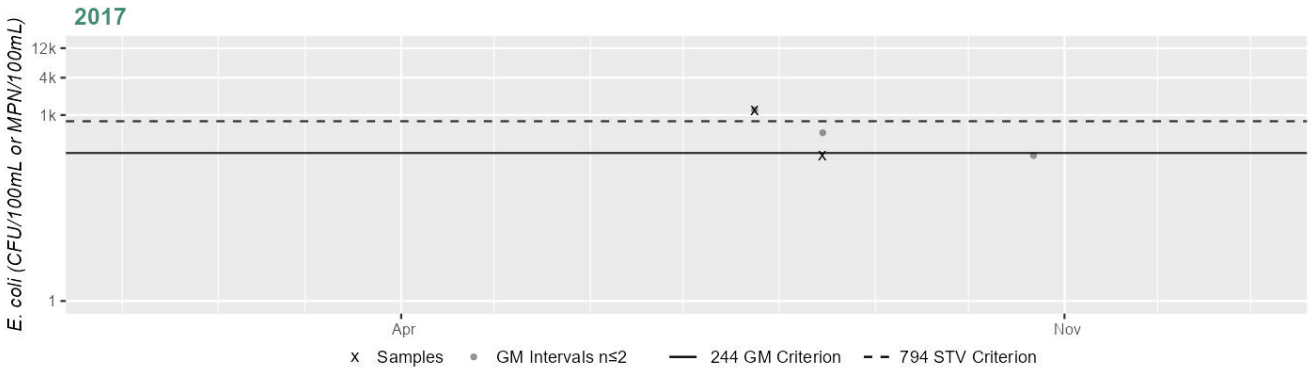
Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis) (EPA 2024) (MassDEP Undated 2)

[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
NARS_WQX-NLA_MA-10011	EPA National Aquatic Resources Survey (NARS)	E. coli	07/24/17	08/15/17	2	222	1203	517

Station NARS_WQX-NLA_MA-10011 - Escherichia coli

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



Variable*	Result
Samples	2
SeasGM	517
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	50%

Cumulative %GMI Exceedance

Current (2011-2022)

0%

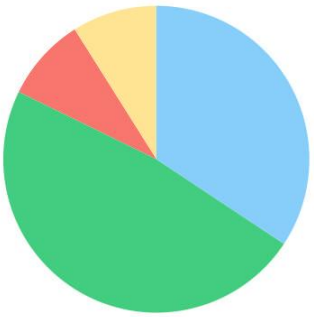
**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes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

Doggett Brook (MA95-96)

Location:	Headwaters, near Walnut Plain Road, Rochester to mouth at confluence with Sippican River, Rochester.
AU Type:	RIVER
AU Size:	2.9 MILES
Classification/Qualifier:	B

Doggett Brook (MA95-96)

Watershed Area: 10.65 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	10.65	10.03	2.70	2.53
Agriculture	9%	8.4%	14.1%	13.6%
Developed	8.8%	8.7%	9.4%	9.1%
Natural	47.9%	48.2%	42.6%	42.8%
Wetland	34.3%	34.7%	34%	34.5%
Impervious	3.2%	3.2%	2.4%	2.4%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Benthic Macroinvertebrates	--	Unchanged
5	5	Dissolved Oxygen	--	Unchanged
5	5	Lead	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Benthic Macroinvertebrates	Source Unknown (N)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--
Lead	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 Doggett Brook (MA95-96) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Doggett Brook (MA95-96) is assessed as Fully Supporting based on the general lack of any objectionable conditions noted by MassDEP staff during the summer of 2013. MassDEP staff recorded aesthetics observations at a station three-quarters of the way down Doggett Brook, ~2380 ft upstream from Rt. 105 (Marion Rd/Front St), Rochester/Marion (W2374, n=8), as part of the MAP2 wadable streams monitoring project during the summer of 2013. There were generally no noted persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2374	MassDEP	Water Quality	Doggett Brook	[approximately 2380 feet upstream/southwest from Route 105 (Marion Road/Front Street), Rochester/Marion]	41.727899	-70.798142

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2374	2013	8	Aesthetic observations were made by MassDEP field sampling crews at Station W2374 on Doggett Brook (MA95-96) during 8 site visits between May 2013 and Sep 2013. 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 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2374	2013	8	3	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2374	Doggett Brook	2013	Aesthetics Impaired?	No	7	8
W2374	Doggett Brook	2013	Aesthetics Impaired?	NR	1	8
W2374	Doggett Brook	2013	Aquatic Plant Density, Overall	Moderate	1	8
W2374	Doggett Brook	2013	Aquatic Plant Density, Overall	Sparse	4	8
W2374	Doggett Brook	2013	Aquatic Plant Density, Overall	Unobservable	3	8
W2374	Doggett Brook	2013	Color	Dark Tan	2	8
W2374	Doggett Brook	2013	Color	Reddish	5	8
W2374	Doggett Brook	2013	Color	Rusty	1	8
W2374	Doggett Brook	2013	Objectionable Deposits	No	8	8
W2374	Doggett Brook	2013	Odor	None	8	8
W2374	Doggett Brook	2013	Periphyton Density, Filamentous	Moderate	1	8
W2374	Doggett Brook	2013	Periphyton Density, Filamentous	None	2	8
W2374	Doggett Brook	2013	Periphyton Density, Filamentous	NR	1	8
W2374	Doggett Brook	2013	Periphyton Density, Filamentous	Unobservable	4	8
W2374	Doggett Brook	2013	Periphyton Density, Film	None	3	8
W2374	Doggett Brook	2013	Periphyton Density, Film	NR	1	8
W2374	Doggett Brook	2013	Periphyton Density, Film	Unobservable	4	8

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2374	Doggett Brook	2013	Scum	No	7	8
W2374	Doggett Brook	2013	Scum	NR	1	8
W2374	Doggett Brook	2013	Turbidity	None	7	8
W2374	Doggett Brook	2013	Turbidity	Slightly Turbid	1	8

Primary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary

Too limited bacteria data are available to assess the Primary Contact Recreation Use for Doggett Brook (MA95-96) and available aesthetics observations for this AU did not result in any impairment, so it is assessed as having Insufficient Information. MassDEP staff collected *E. coli* bacteria samples close to the downstream end of Doggett Brook at W2374 [~2380 ft upstream/southwest from Rt. 105 (Marion Rd/Front St), Rochester/Marion] from May-Sep 2013 (n=5). Analysis of the single year limited frequency dataset from this station indicated 33% of intervals had GMs >126 CFU/100ml, 1 sample exceeded the 410 CFU/100ml STV and the seasonal GM was 62 CFU/100ml. *E. coli* data from W2374 are inconclusive according to the 2024 CALM to assess the Primary Contact Recreation Use because this single year, limited frequency dataset included both a GM below the threshold and an STV exceedance of the threshold (627 CFU).

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2374	MassDEP	Water Quality	Doggett Brook	[approximately 2380 feet upstream/southwest from Route 105 (Marion Road/Front Street), Rochester/Marion]	41.727899	-70.798142

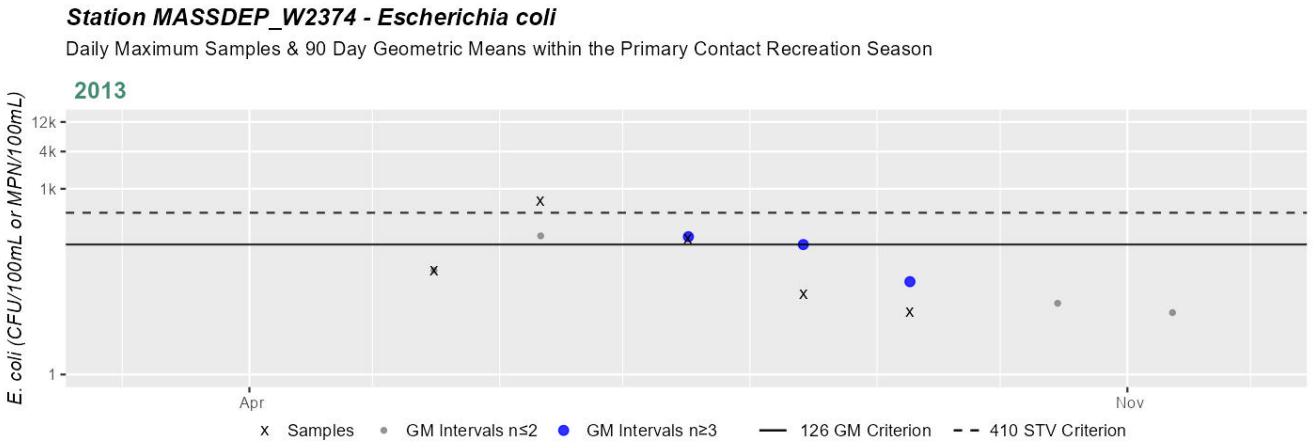
Bacteria Data

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

(MassDEP Undated 9) (MassDEP Undated 5)

[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
W2374	MassDEP	E. coli	05/16/13	09/09/13	5	10	627	62



Variable*	Result
Samples	5
SeasGM	62
#GMI	3
#GMI Ex	1
%GMI Ex	33%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Current (2011-2022)
33%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Doggett Brook (MA95-96) continues to be assessed as Fully Supporting. MassDEP staff collected *E. coli* bacteria samples close to the downstream end of Doggett Brook at W2374 [~2380 ft upstream/southwest from Rt. 105 (Marion Rd/Front St), Rochester/Marion] from May-Sep 2013 (n=5). Analysis of the single year limited frequency dataset from this station indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM was 62 CFU/100ml, which meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2374	MassDEP	Water Quality	Doggett Brook	[approximately 2380 feet upstream/southwest from Route 105 (Marion Road/Front Street), Rochester/Marion]	41.727899	-70.798142

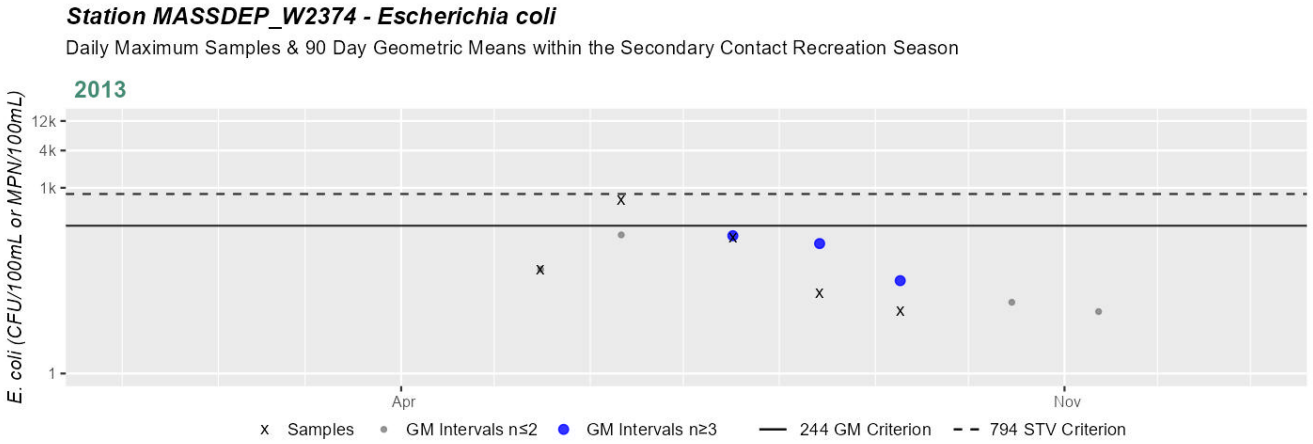
Bacteria Data

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

(MassDEP Undated 9) (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
W2374	MassDEP	E. coli	05/16/13	09/09/13	5	10	627	62



Variable*	Result
Samples	5
SeasGM	62
#GMI	3
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.

Dunham Pond (MA95044)

Location:	Carver.
AU Type:	FRESHWATER LAKE
AU Size:	43 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Chlorophyll-a	--	Unchanged
5	5	Transparency / Clarity	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Chlorophyll-a	Agriculture (N)	X	--	--	--	--
Chlorophyll-a	Source Unknown (N)	X	--	--	--	--
Transparency / Clarity	Agriculture (N)	X	--	--	--	--
Transparency / Clarity	Source Unknown (N)	X	--	--	--	--

Recommendations

2024/26 Recommendations
2016IR [Algae, Low] Follow-up monitoring should be conducted in Dunham Pond (MA95044), to confirm if Dense Algae/ Algal Blooms are impairing the Recreational and Aesthetics Uses. Monitoring should cover observations of the entire pond but in particular to include station {W1401}. The prior Alert identified for Algae (Algal Blooms) was based on observations of dense-very dense green algal blooms identified at station W1401 (towards the North end of the pond) in August and September 2005. This is of low priority;

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 Dunham Pond (MA95044) is Not Assessed.

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 Dunham Pond (MA95044), so it is Not Assessed. The prior Alert identified for Algae (Algal Blooms) (dense-very dense green algal blooms identified on 2 occasions in 2005 towards the North end of the Pond) is being carried forward. Recommendations will be made to conduct additional monitoring in Dunham Pond.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Dunham Pond (MA95044) are available, so the Primary Contact Recreation Use is Not Assessed. The prior Alert for Algae (Algal Blooms) is being removed from the Primary Contact Recreational Use but continues to be maintained under the Aesthetics Use.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Dunham Pond (MA95044) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. The prior Alert for Algae (Algal Blooms) is being removed from the Secondary Contact Recreational Use but continues to be maintained under the Aesthetics Use.

Dunhams Brook (MA95-73)

Location:	Headwaters east of the intersection of Cornell and Main roads, Westport to the confluence with the West Branch Westport River at Hicks Cove, Westport.
AU Type:	RIVER
AU Size:	1.4 MILES
Classification/Qualifier:	B

Dunhams Brook (MA95-73)

Watershed Area: 0.96 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	0.96	0.96	0.40	0.40
Agriculture	13.5%	13.5%	8.3%	8.3%
Developed	11.2%	11.2%	6%	6%
Natural	60.7%	60.7%	56.6%	56.6%
Wetland	14.6%	14.6%	29.1%	29.1%
Impervious	3.9%	3.9%	1.6%	1.6%

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

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

Recommendations

2024/26 Recommendations
2022IR [Bacteria, Low] Conduct follow-up monitoring in this Dunhams Brook AU (MA95-73) in the vicinity of MassDEP station {W2925} at Main Rd, Westport. An Alert was identified due to one *Enterococcus* sample greatly exceeding the 130 CFU/100ml STV (940 CFU) in 2018. High frequency monitoring for *Enterococcus* should be conducted to confirm if this bacteria is impairing the Primary Contact Recreation Use. This AU is already impaired for *E. coli*. This is of low priority.

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 Dunhams Brook (MA95-73) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Dunhams Brook (MA95-73) is assessed as Fully Supporting based on the general lack of any objectionable conditions documented by MassDEP staff during the summer of 2018. MassDEP staff recorded aesthetics observations at three stations in the downstream half of this Dunhams Brook AU, as part of Bacteria Source Tracking Project (BST) during the summer of 2018, from up to downstream as follows: on Main Rd in Westport (W2925, n=2), ~1700 ft downstream from Main Rd just downstream of the confluence of an unnamed brook flowing from the north in Westport (W2923, n=1), and at the unnamed road west off the Main Rd and Taber Lane intersection ~250 ft upstream of the confluence with West Branch Westport River in Westport (W2926, n=4). There were generally no noted persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted high turbidity on one occasion.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2923	MassDEP	Water Quality	Dunhams Brook	[approximately 1700 feet downstream from Main Road, just downstream of confluence of unnamed brook flowing from the north, Westport]	41.539679	-71.091190
W2925	MassDEP	Water Quality	Dunhams Brook	[Main Road, Westport]	41.541200	-71.085850
W2926	MassDEP	Water Quality	Dunhams Brook	[unnamed road west off the Main Road and Taber Lane intersection, approximately 250 feet upstream of confluence with West Branch Westport River, Westport]	41.536670	-71.091484

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2923	2018	1	Aesthetic observations were made by MassDEP field sampling crews at Station W2923 on Dunhams Brook (MA95-73) during 1 site visit on May 24, 2018. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2925	2018	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2925 on Dunhams Brook (MA95-73) during 2 site visits between Jun 2018 and Jul 2018. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2926	2018	4	Aesthetic observations were made by MassDEP field sampling crews at Station W2926 on Dunhams Brook (MA95-73) during 4 site visits between May 2018 and Oct 2018. 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 9) (MassDEP Undated 5)

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2923	Dunhams Brook	2018	Aquatic Plant Density, Overall	NR	1	1
W2923	Dunhams Brook	2018	Color	Brownish	1	1
W2923	Dunhams Brook	2018	Odor	None	1	1

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2923	Dunhams Brook	2018	Periphyton Density, Filamentous	NR	1	1
W2923	Dunhams Brook	2018	Periphyton Density, Film	NR	1	1
W2923	Dunhams Brook	2018	Turbidity	Moderately Turbid	1	1
W2925	Dunhams Brook	2018	Aquatic Plant Density, Overall	None	1	2
W2925	Dunhams Brook	2018	Aquatic Plant Density, Overall	Sparse	1	2
W2925	Dunhams Brook	2018	Color	Light Yellow/Tan	1	2
W2925	Dunhams Brook	2018	Color	None	1	2
W2925	Dunhams Brook	2018	Odor	None	2	2
W2925	Dunhams Brook	2018	Periphyton Density, Filamentous	None	2	2
W2925	Dunhams Brook	2018	Periphyton Density, Film	None	1	2
W2925	Dunhams Brook	2018	Periphyton Density, Film	Sparse	1	2
W2925	Dunhams Brook	2018	Turbidity	Slightly Turbid	2	2
W2926	Dunhams Brook	2018	Aquatic Plant Density, Overall	None	2	4
W2926	Dunhams Brook	2018	Aquatic Plant Density, Overall	NR	1	4
W2926	Dunhams Brook	2018	Aquatic Plant Density, Overall	Sparse	1	4
W2926	Dunhams Brook	2018	Color	Brownish	1	4
W2926	Dunhams Brook	2018	Color	Light Yellow/Tan	1	4
W2926	Dunhams Brook	2018	Color	None	2	4
W2926	Dunhams Brook	2018	Odor	None	4	4
W2926	Dunhams Brook	2018	Periphyton Density, Filamentous	None	3	4
W2926	Dunhams Brook	2018	Periphyton Density, Filamentous	NR	1	4
W2926	Dunhams Brook	2018	Periphyton Density, Film	None	1	4
W2926	Dunhams Brook	2018	Periphyton Density, Film	NR	1	4
W2926	Dunhams Brook	2018	Periphyton Density, Film	Sparse	2	4
W2926	Dunhams Brook	2018	Turbidity	Slightly Turbid	4	4

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	YES

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for Dunhams Brook (MA95-73) 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 1 station in 2018 and an Alert is being identified for *Enterococcus*. MassDEP staff collected *E. coli* (EC) and *Enterococcus* (Ent) bacteria samples at 3 stations in the downstream half of Dunhams Brook in 2018 for the Bacteria Source Tracking Project (BST). Samples were collected from the following stations/sample years from upstream to downstream: just over halfway down the AU at W2925 [Main Rd, Westport] (EC n=2 & Ent n=1), at W2923 [~1700 ft downstream from Main Rd, just downstream of confluence of unnamed brook flowing from the north, Westport] (EC n=1), and right at the downstream end of the AU at W2926 [unnamed Rd W off the Main Rd and Taber Lane intersection, ~250 ft upstream of confluence with W Branch Westport River, Westport] (EC n=4). The available *E. coli* data at both stations W2925 & W2923 (and the *Enterococcus* data at W2925) are all too limited to assess the Primary Contact Recreation Use according to the 2024 CALM, although it should be noted that both *E. coli* samples at W2925 exceeded the 410 CFU/100ml STV (with a maximum of 2,420 CFU) and the one *Enterococcus* sample exceeded the 130 CFU/100ml STV (940 CFU). An Alert is being identified for *Enterococcus* due to the highly elevated concentration of this bacteria at W2925 and additional sampling is recommended for this AU. In addition, analysis of the single year limited frequency *E. coli* dataset from W2926 indicated 100% of intervals had GMs >126 CFU/100ml, 1 sample exceeded the 410 CFU/100ml STV (727 CFU) and the seasonal GM was 316 CFU/100ml, which is indicative of an *Escherichia coli (E. coli)* impairment. BST human marker analysis was also run at W2925 in 2018 and results indicated "inconclusive evidence" of a human sewage source; all of the Bacteroidetes markers were present, which can also be indicative of a wildlife source, in particular birds, but also cat fecal matter. In combination with the low detergent results at this location, all evidence pointed to a significant wildlife source of bacteria, coming from the wetland area just upstream of Main Rd.

Monitoring Stations

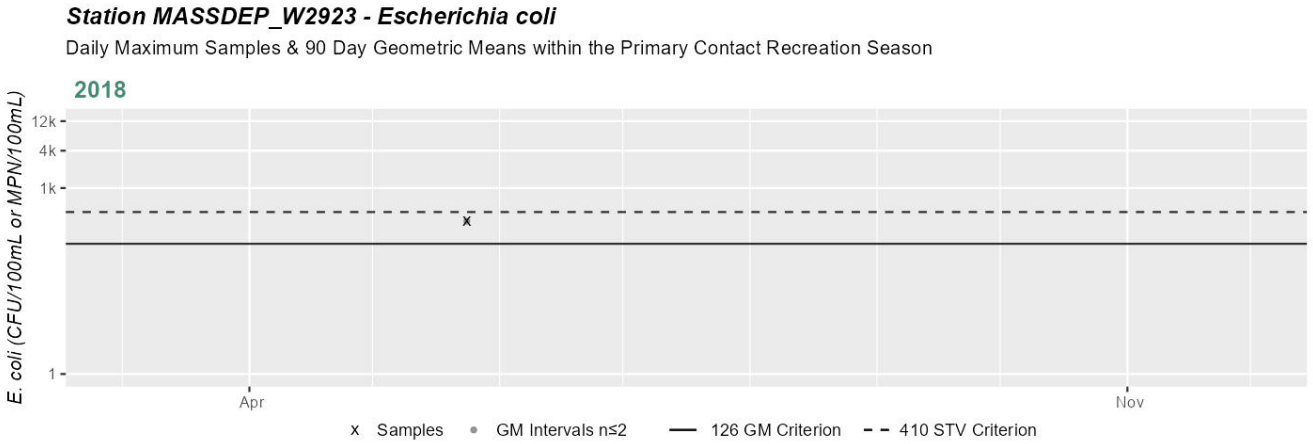
Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2923	MassDEP	Water Quality	Dunhams Brook	[approximately 1700 feet downstream from Main Road, just downstream of confluence of unnamed brook flowing from the north, Westport]	41.539679	-71.091190
W2925	MassDEP	Water Quality	Dunhams Brook	[Main Road, Westport]	41.541200	-71.085850
W2926	MassDEP	Water Quality	Dunhams Brook	[unnamed road west off the Main Road and Taber Lane intersection, approximately 250 feet upstream of confluence with West Branch Westport River, Westport]	41.536670	-71.091484

Bacteria Data

Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis) (MassDEP Undated 9) (MassDEP Undated 5)

[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
W2923	MassDEP	E. coli	05/24/18	05/24/18	1	292	292	292
W2925	MassDEP	E. coli	06/11/18	07/11/18	2	1990	2420	2194
W2925	MassDEP	Enterococci	08/08/18	08/08/18	1	940	940	940
W2926	MassDEP	E. coli	05/24/18	10/11/18	4	211	727	316



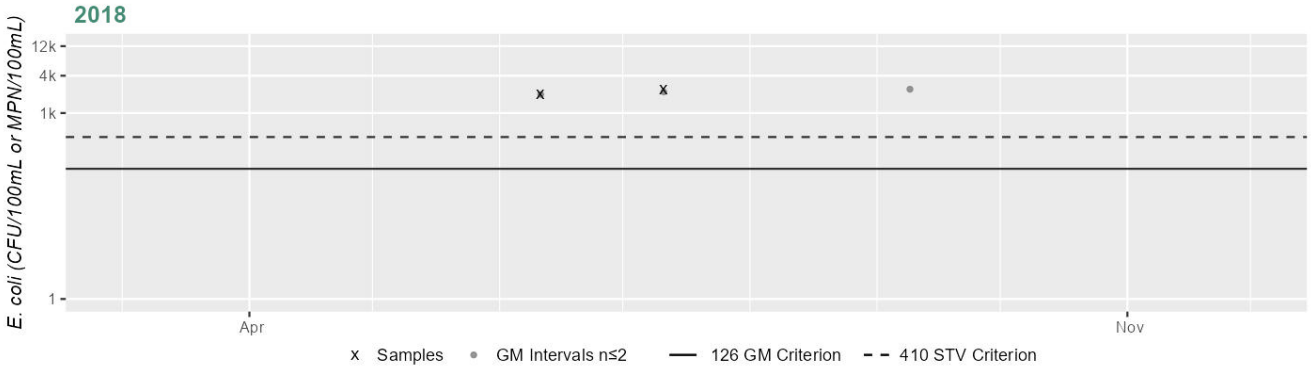
Variable*	Result
Samples	1
SeasGM	292
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2925 - Escherichia coli

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



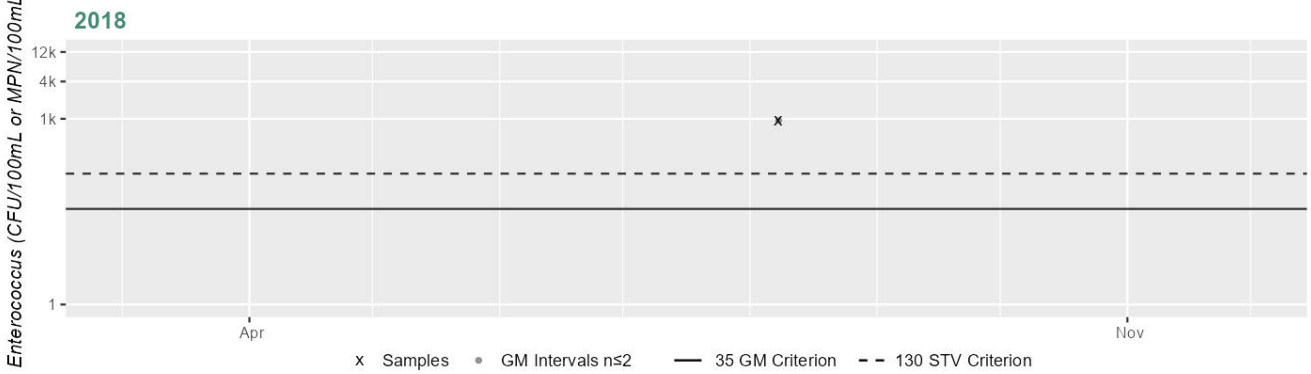
Variable*	Result
Samples	2
SeasGM	2194
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	2
%n>STV	100%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2925 - Enterococcus

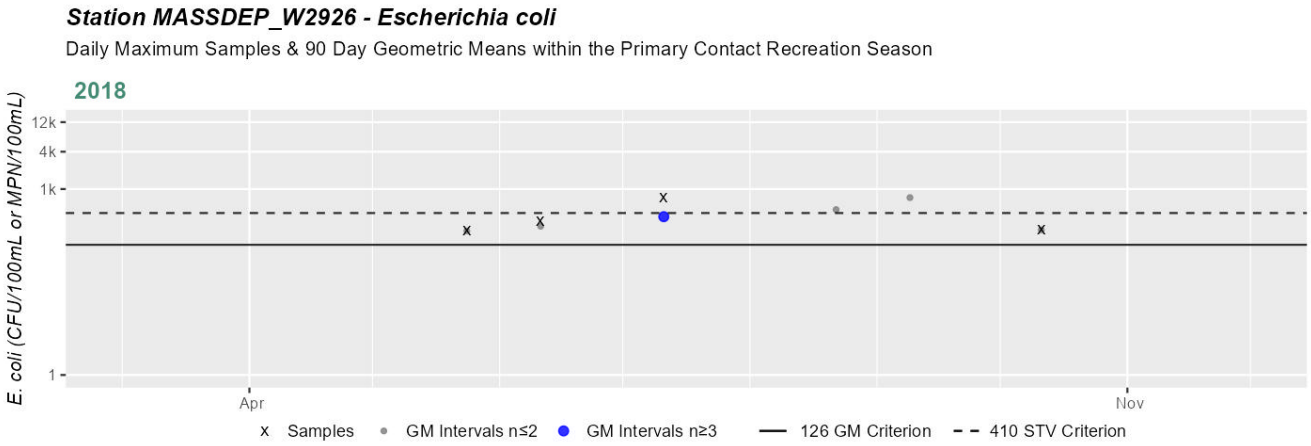
Daily Maximum Samples & 90 Day Geometric Means within the Primary Contact Recreation Season



Variable*	Result
Samples	1
SeasGM	940
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	100%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*



Variable*	Result
Samples	4
SeasGM	316
#GMI	1
#GMI Ex	1
%GMI Ex	100%
n>STV	1
%n>STV	25%

Cumulative %GMI Exceedance
Current (2011-2022)
100%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Summary Statement for 2011-2019 MassDEP Bacteria Source Tracking (BST) Data (MassDEP Undated 1)

Summary
BST work was conducted in 2018 at 6 sites on the Dunhams Brook AU (MA95-73), with *E. coli* concentrations ranging 185 to >2,418.6MPN. A hotspot was noted in the area of Main Rd, so consequently human marker analysis was run at this location. Results indicated " inconclusive evidence" of a human sewage source; all of the bacteroidetes markers were present, which can also be indicative of a wildlife source, in particular birds, but also cat fecal matter. In combination with the low detergent results at this location, all evidence pointed to a significant wildlife source of bacteria, coming from the wetland area just upstream of Main Rd. Additional BST work was conducted in 2018 on an unnamed tributary to Dunhams Brook; complaints from a local homeowner were made regarding observations of sulphur odor and fungus in this tributary. WPP staff did also observe copious amounts of what looked like grey sewage fungus in this tributary; however, *E. coli* concentrations were relatively low, ranging 10 to 186MPN. Investigations in the headwaters of the unnamed tributary near Cornell Rd discovered some evidence of an agricultural source of nutrients. The Town of Westport was left to work with local farmers on this matter.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Dunhams Brook (MA95-73) 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 1 station in 2018. The prior Alert for *Escherichia coli (E. coli)* is being removed in light of the new impairment for the same concern. MassDEP staff collected *E. coli* bacteria samples in Dunhams Brook at 3 stations in the downstream half of Dunhams Brook in 2018, for the Bacteria Source Tracking Project (BST). Samples were collected from the following stations/sample years from upstream to downstream: just over halfway down the AU at W2925 [Main Rd, Westport] from Jun-Jul 2018 (n=2), W2923 [~1700 ft downstream from Main Rd, just downstream of confluence of unnamed brook flowing from the north, Westport] from May 2018 (n=1) and right at the downstream end of the AU at W2926 [unnamed Rd W off the Main Rd and Taber Lane intersection, ~250 ft upstream of confluence with W Branch Westport River, Westport] from May-Oct 2018 (n=4). The available *E. coli* data at both stations W2925 & W2923 are too limited to assess the Secondary Contact Recreation Use according to the 2024 CALM, although it should be noted that both *E. coli* samples at W2925 exceeded the 794 CFU/100ml STV (with a maximum of 2,420 CFU). In addition, analysis of the single year limited frequency *E. coli* dataset from W2926 indicated 100% of intervals had GMs >244 CFU/100ml, with an overall GM of 316 CFU/100ml which is indicative of an *Escherichia coli (E. coli)* impairment. BST human marker analysis was also run at W2925 in 2018 and results indicated "inconclusive evidence" of a human sewage source; all of the Bacteroidetes markers were present, which can also be indicative of a wildlife source, in particular birds, but also cat fecal matter. In combination with the low detergent results at this location, all evidence pointed to a significant wildlife source of bacteria, coming from the wetland area just upstream of Main Rd.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2923	MassDEP	Water Quality	Dunhams Brook	[approximately 1700 feet downstream from Main Road, just downstream of confluence of unnamed brook flowing from the north, Westport]	41.539679	-71.091190
W2925	MassDEP	Water Quality	Dunhams Brook	[Main Road, Westport]	41.541200	-71.085850
W2926	MassDEP	Water Quality	Dunhams Brook	[unnamed road west off the Main Road and Taber Lane intersection, approximately 250 feet upstream of confluence with West Branch Westport River, Westport]	41.536670	-71.091484

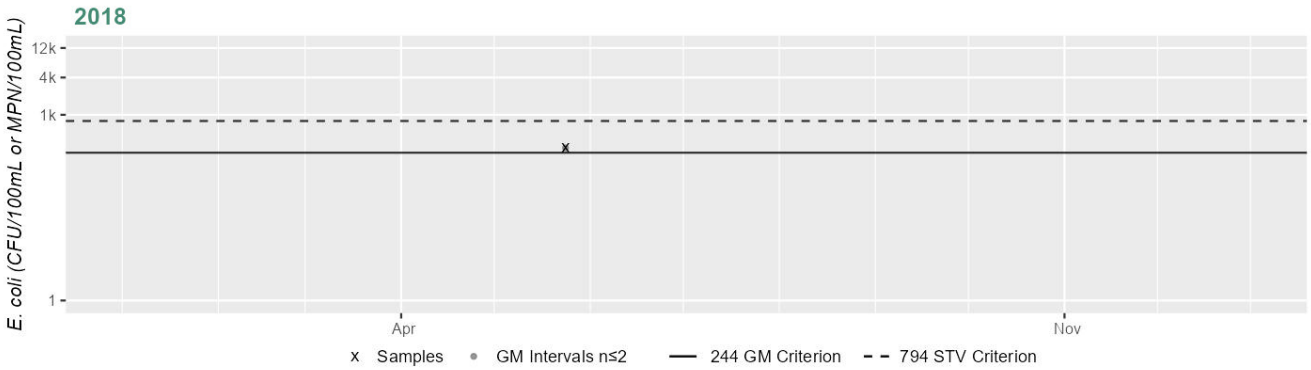
Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (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
W2923	MassDEP	E. coli	05/24/18	05/24/18	1	292	292	292
W2925	MassDEP	E. coli	06/11/18	07/11/18	2	1990	2420	2194
W2926	MassDEP	E. coli	05/24/18	10/11/18	4	211	727	316

Station MASSDEP_W2923 - Escherichia coli

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



Variable*	Result
Samples	1
SeasGM	292
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance

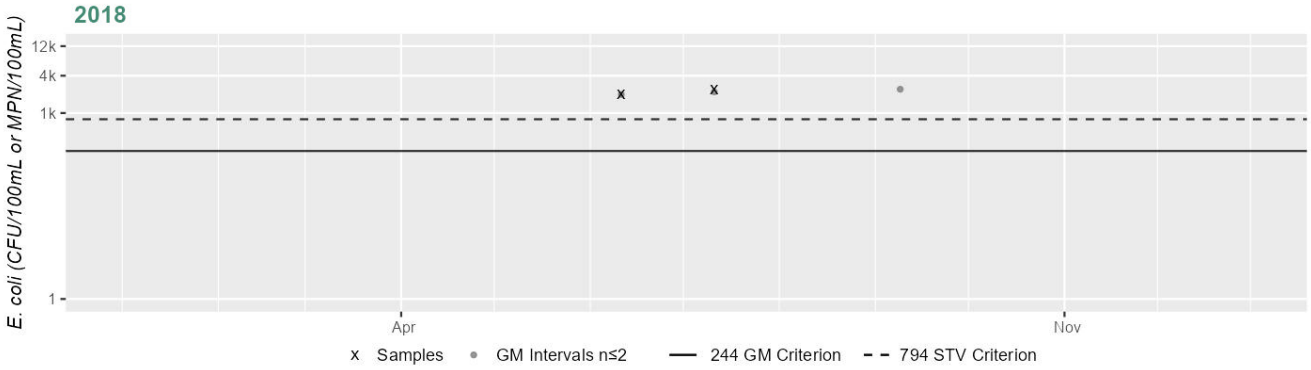
Current (2011-2022)

0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2925 - Escherichia coli

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



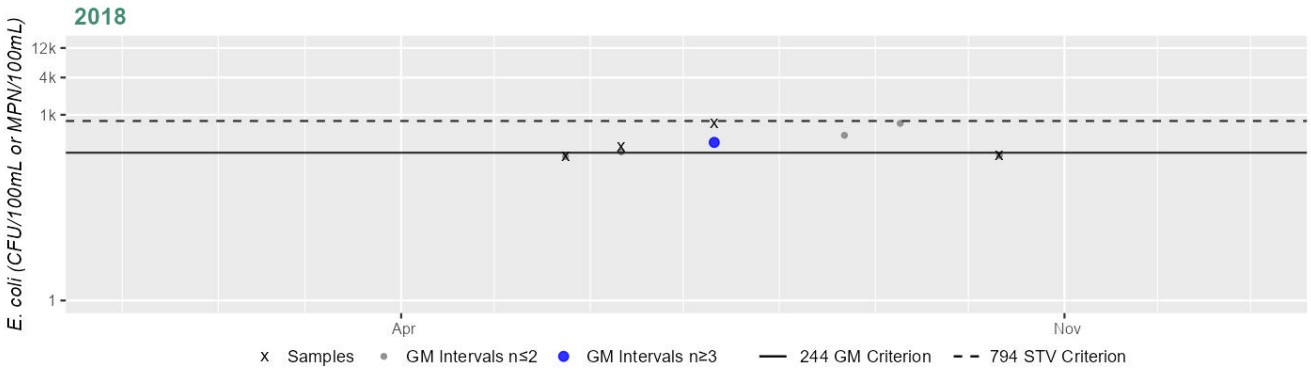
Variable*	Result
Samples	2
SeasGM	2194
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	2
%n>STV	100%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2926 - Escherichia coli

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



Variable*	Result
Samples	4
SeasGM	316
#GMI	1
#GMI Ex	1
%GMI Ex	100%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
100%

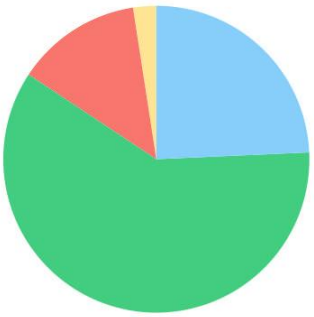
**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes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

East Branch Westport River (MA95-40)

Location:	Headwaters, outlet Noquochoke Lake, Dartmouth to Old County Road bridge, Westport (mileage includes length of braid).
AU Type:	RIVER
AU Size:	2.4 MILES
Classification/Qualifier:	B: WWF, HQW

East Branch Westport River (MA95-40)

Watershed Area: 40.63 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	40.63	11.76	15.28	4.49
Agriculture	2.4%	2.2%	2.3%	1.1%
Developed	13.3%	21.9%	8.3%	14.8%
Natural	60%	48.7%	54.2%	49.8%
Wetland	24.3%	27.1%	35.2%	34.3%
Impervious	5.5%	10%	3.6%	7.2%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Fish Passage Barrier*)	--	Unchanged
5	5	Dissolved Oxygen	--	Unchanged
5	5	Enterococcus	36170	Unchanged
5	5	Fecal Coliform	36170	Unchanged
5	5	Transparency / Clarity	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (Y)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Enterococcus	Source Unknown (N)	--	--	--	X	--
Fecal Coliform	Source Unknown (N)	--	--	--	X	--
Transparency / Clarity	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 East Branch Westport River (MA95-40) 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 East Branch Westport River (MA95-40) 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 Westport River (MA95-40) continues to be assessed as Not Supporting. The prior *Enterococcus* and Fecal Coliform impairments are being carried forward. A Transparency / Clarity impairment is being added due to Secchi depth data not meeting the threshold at 2 stations in 2017-2021. The Buzzards Bay Coalition (BBC) collected Secchi depth data at the downstream end of the East Branch Westport River at BBC_101E [Westport River East Fresh, Westport] from 2015-2021 and BBC_N0 [Westport River East Fresh, Westport] in 2015 and from 2017-2021. The most recent five years of data with >2 Secchi depth measurements were used for assessment. More than one Secchi depth measurement was less than the 1.2 m (4 ft) threshold at BBC_101E (station depth ranging 0.92-1.05 m) in 2017 (n=4/4, 0.5-0.85m), 2018 (n=3/3, 0.65-0.72m), 2019 (n=7/7, 0.42-0.62m), 2020 (n=2/2, 0.45-0.58m), and 2021 (n=5/5, 0.44-0.76m) and also at BBC_N0 (station depth 0.9 m) in 2019 (n=3/3, 0.4-0.5m). In addition, while Secchi depth data were too limited (n <3) to evaluate water clarity using data from BBC_N0 in 2017 (n=1, 0.25m), 2018 (n=1, 0.5m), 2020 (n=1, 0.3m), and 2021 (n=1, 0.1m), these measurements were also less than the threshold. The Secchi depth measurements are indicative of a Transparency / Clarity impairment due to conditions at station BBC_101E and BBC_N0.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2015-2021	In East Branch Westport River (MA95-40), Buzzards Bay Coalition (BBC) collected Secchi data at BBC_101E [41.621007, -71.059772, Westport River East Fresh, Westport] from 2015-2021 and BBC_N0 [41.621049, -71.059734, Westport River East Fresh, Westport] in 2015 and from 2017-2021. The most recent five years of data with >2 Secchi measurements were used for assessment. In 2017 at station BBC_101E (station depth=1.05 m) the Secchi depth measurements ranged from 0.5-0.85 m (n=4), with 4 measurements in Jun, Jul, and Aug that were less than the 1.2 m (4 ft) threshold. In 2018 at station BBC_101E (station depth=0.92 m) the Secchi depth measurements ranged from 0.65-0.72 m (n=3), with 3 measurements in Aug that were less than the 1.2 m (4 ft) threshold. In 2019 at station BBC_101E (station depth=1 m) the Secchi depth measurements ranged from 0.42-0.62 m (n=7), with 7 measurements in May, Jul, Aug, and Sep that were less than the 1.2 m (4 ft) threshold. In 2020 at station BBC_101E (station depth=1 m) the Secchi depth measurements ranged from 0.45-0.58 m (n=2) with 2 measurements in Aug and Sep that were less than the 1.2 m (4 ft) threshold. In 2021 at station BBC_101E (station depth=0.99 m) the Secchi depth measurements ranged from 0.44-0.76 m (n=5) with 5 measurements in Jun, Jul, and Aug that were less than the 1.2 m (4 ft) threshold. In 2017 at station BBC_N0 (station depth=0.5 m) the Secchi depth (n=1) was measured to be 0.25 m on Aug 03, 2017 which was less than the 1.2 m (4 ft) threshold. In 2018 at station BBC_N0 (station depth=0.6 m) the Secchi depth (n=1) was measured to be 0.5 m on Aug 07, 2018 with 1 measurement taken on Aug 07, 2018 that was less than the 1.2 m (4 ft) threshold. In 2019 at station BBC_N0 (station depth=0.9 m) the Secchi depth measurements ranged from 0.4-0.5 m (n=3) with 3 measurements in Jul and Aug that were less than the 1.2 m (4 ft) threshold. In 2020 at station BBC_N0 (station depth=0.5 m) the Secchi depth (n=1) was measured to be 0.3 m on Jul 01, 2020 which was less than the 1.2 m (4 ft) threshold. In 2021 at station BBC_N0 (station depth=0.3 m) the Secchi depth (n=1) was measured to be 0.1 m on Aug 17, 2021 which was less than the 1.2 m (4 ft) threshold. The Secchi depth measurements are indicative of a Transparency / Clarity impairment due to conditions at BBC_101E and BBC_N0.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for the East Branch Westport River (MA95-40) 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 the East Branch Westport River in 2005 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: Halfway down the AU at W1368 [upstream from Forge Pond, ~700 ft from Forge Rd, Westport] from May-Sep 2005 (n=5), and at the downstream end of the AU at W1369 [just upstream at Old County Rd, Westport] from May-Sep 2005 (n=5). Analysis of the historic single year limited frequency *E. coli* dataset from W1368 indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM was 72 CFU/100ml, which meets 2024 CALM guidance. Analysis of this historic single year limited frequency *E. coli* dataset from W1369 indicated 0% of intervals had GMs >244 CFU/100ml, 1 sample exceeded the 794 CFU/100ml STV (920 CFU) and the overall GM was 98 CFU/100ml. Historic *E. coli* data from W1369 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 an exceedance of the STV threshold. 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
W1368	MassDEP	Water Quality	East Branch Westport River	[upstream from Forge Pond, approximately 700 feet from Forge Road, Westport]	41.631020	-71.051229
W1369	MassDEP	Water Quality	East Branch Westport River	[just upstream at Old County Road, Westport]	41.620936	-71.059680

Bacteria Data

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

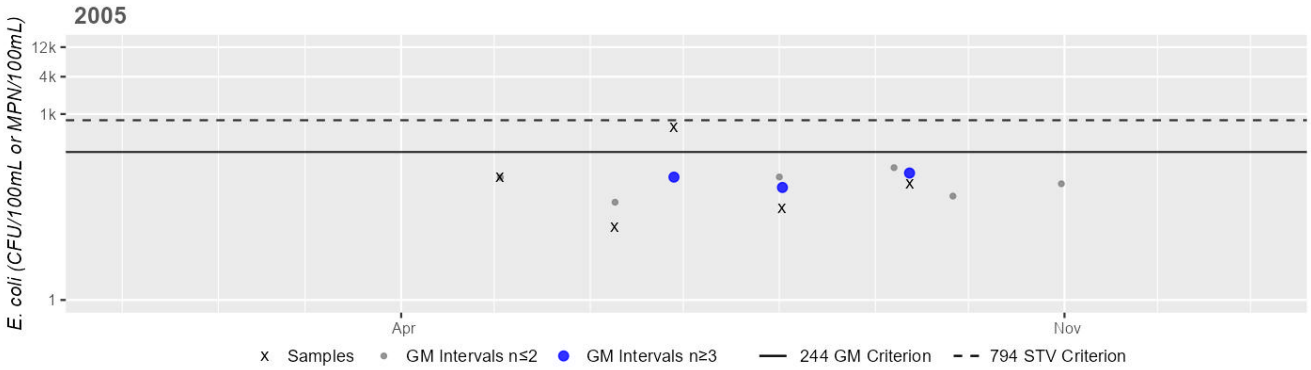
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1368	MassDEP	E. coli	05/03/05	09/12/05	5	15	620	72
W1369	MassDEP	E. coli	05/03/05	09/12/05	5	35	920	98

Station MASSDEP_W1368 - Escherichia coli

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



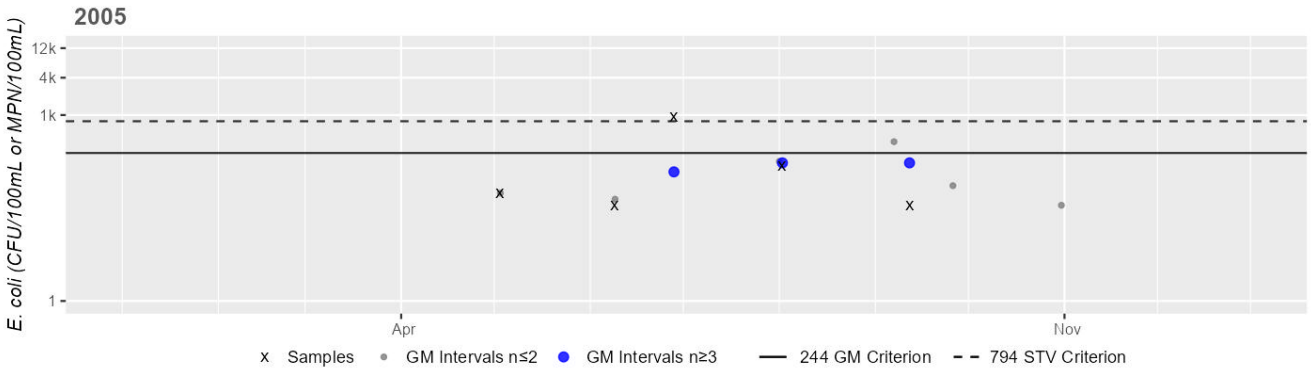
Variable*	Result
Samples	5
SeasGM	72
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1369 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	98
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

East Branch Westport River (MA95-41)

Location:	Old County Road bridge, Westport to the mouth at Westport Harbor/Westport River, Westport (excluding Horseneck Channel).
AU Type:	ESTUARY
AU Size:	2.65 SQUARE MILES
Classification/Qualifier:	SB: SFR, HQW

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Estuarine Bioassessments	67640	Unchanged
4a	4a	Fecal Coliform	36171	Unchanged
4a	4a	Nitrogen, Total	67640	Unchanged
4a	4a	Nutrient/Eutrophication Biological Indicators	67640	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Agriculture (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Fecal Coliform	Animal Feeding Operations (NPS) (Y)	--	--	X	--	X	X
Fecal Coliform	Dairies (Y)	--	--	X	--	X	X

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	Discharges from Municipal Separate Storm Sewer Systems (MS4) (Y)	--	--	X	--	X	X
Fecal Coliform	Grazing in Riparian or Shoreline Zones (Y)	--	--	X	--	X	X
Nitrogen, Total	Agriculture (Y)	X	--	--	--	--	--
Nitrogen, Total	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Agriculture (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--

Recommendations

2024/26 Recommendations
2022IR [Bacteria, Low] Conduct follow-up monitoring in this East Branch Westport River AU (MA95-41) in the vicinity of some of the coves and tributaries on the East bank upstream of Hix Bridge Rd, in particular Everett cove and the Unnamed cove upstream of the Allen Pond Tributary. An Alert was identified for *Enterococcus* due sporadic high concentrations documented in this area over the period of time from 2011-2013, by BST Project staff. This AU is already impaired for Fecal Coliform. This is of low priority.

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 East Branch Westport River (MA95-41) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
East Branch Westport River (MA95-41): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 2.6058 sq mi (98%). The sum of the approved, conditionally approved, and restricted shellfish growing areas represents 2.2801 sq mi (86%) and the prohibited shellfish growing area represents 0.3258 sq mi (12%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of prohibited, approved and conditionally approved. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB3.1	Westport Harbor Mooring Area	Conditionally Approved	0.00072	0.0%
BB3.13	Boat Ramp	Prohibited	0.00080	0.0%
BB3.37	Main Road	Prohibited	0.00199	0.1%
BB3.40	West of Route 88 Bridge	Approved	0.03583	1.4%
BB4.0	Horseneck Channel & The Let	Approved	0.17283	6.5%
BB4.1	Boiling Brook	Prohibited	0.00391	0.1%
BB4.11	Cadman Cove Brook	Prohibited	0.00171	0.1%
BB4.15	Lakes Island	Conditionally Approved	0.29408	11.1%
BB4.2	Northern End of the River	Prohibited	0.31398	11.8%
BB4.25	Wings Brook	Prohibited	0.00072	0.0%
BB4.27	Julius Way Mooring Area	Conditionally Approved	0.00904	0.3%
BB4.5	Pierce Brook	Prohibited	0.00141	0.1%
BB4.6	Lees Brook	Prohibited	0.00123	0.0%

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB4.7	Lower River	Conditionally Approved	0.85513	32.2%
BB4.8	Middle River	Conditionally Approved	0.63314	23.9%
BB4.9	Cadman Neck	Conditionally Approved	0.27932	10.5%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for East Branch Westport River (MA95-41) is Not Assessed.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	YES

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for the East Branch Westport River (MA95-41) continues to be assessed as Not Supporting, with the prior Fecal Coliform impairment being carried forward. The prior Alert for *Enterococcus* is also being carried forward. The shellfish growing areas (2.6058 sq mi) in this AU are less than 100% approved (0.2087 sq mi, 8%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of East Branch Westport River. Prior to 2011, bacteria data were collected by MassDEP staff (with assistance from the Westport River Association) for the purposes of bacteria source tracking (BST) in East Branch Westport River. Samples were collected at 18 sites, with *Enterococcus* concentrations ranging from 10 to 563 MPN and the highest concentration documented in a cove receiving discharge from a small pond (locally known as Allen Pond). Expanding on this work, additional BST samples were collected in 2011 to 2013, from a series of unnamed tributaries discharging to a targeted reach of the AU (i.e., the stretch between Old County Road and Hix bridge). *Enterococcus* concentrations in Everett Cove were found to range from 63 to 148 MPN and a maximum of 359 MPN was documented in an unnamed cove further downstream. Small salt marsh drainage ditches were noted to be bacteria contributors, in particular one such ditch a short distance downstream of County Rd documented a maximum of 809 MPN. The highest concentrations in the watershed were documented in an unnamed tributary at Pine Hill Rd (upstream of Allen Pond) (maximum of 1,986 MPN). No correctable sources were found. Too limited bacteria data are available to evaluate the Primary Contact Recreational Use for the East Branch Westport River so it will continue to be assessed as Not Supporting with the Fecal Coliform impairment being carried forward. An Alert is being identified due to the elevated *Enterococcus* concentrations documented in two coves along the AU (Everett Cove and one unnamed) by MassDEP BST staff.

Bacteria Data

Summary Statement for 2011-2019 MassDEP Bacteria Source Tracking (BST) Data (MassDEP Undated 1)

Summary
Prior to 2011, BST work was conducted (with assistance from the Westport River Association) at 18 sites on the East Branch Westport River AU (MA95-41), with *Enterococcus* concentrations ranging 10 to 563 MPN and the highest concentration noted in a cove receiving discharge from a small pond (locally known as Allen Pond). Expanding on this work, additional BST samples were collected in 2011 to 2013, from a series of unnamed tributaries discharging to a targeted reach of the AU (i.e. the stretch between Old County Road and Hix bridge). *Enterococcus* concentrations in Everett Cove were found to range 63 to 148 MPN and a max of 359 MPN was noted in an unnamed cove further downstream. Small salt marsh drainage ditches were noted to be bacteria contributors, in particular one such ditch a short distance downstream of County Rd noted a max of 809 MPN. Samples taken on an unnamed tributary at Pine Hill Rd (upstream of Allen Pond) indicated the highest concentrations found in the watershed, with a max of 1,986 MPN. No correctable sources were found in the watershed.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
East Branch Westport River (MA95-41): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 2.6058 sq mi (98%). The approved shellfish growing area represents 0.2087 sq mi (8%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for the East Branch Westport River (MA95-41) continues to be assessed as Not Supporting, with the prior Fecal Coliform impairment being carried forward. The shellfish growing areas (2.6058 sq mi) in this AU are less than 100% approved (0.2087 sq mi, 8%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of East Branch Westport River. Prior to 2011, bacteria data were collected by MassDEP staff (with assistance from the Westport River Association) for the purposes of bacteria source tracking (BST) in this East Branch Westport River AU. Samples were collected at 18 sites, with *Enterococcus* concentrations ranging from 10 to 563 MPN and the highest concentration documented in a cove receiving discharge from a small pond (locally known as Allen Pond). Expanding on this work, additional BST samples were collected from 2011 to 2013, from a series of unnamed tributaries discharging to a targeted reach of the AU (i.e., the stretch between Old County Road and Hix bridge). *Enterococcus* concentrations in Everett Cove were found to range from 63 to 148 MPN and a maximum of 359 MPN was documented in an unnamed cove further downstream. Small salt marsh drainage ditches were noted to be bacteria contributors, in particular one such ditch a short distance downstream of County Rd documented a maximum of 809 MPN. The highest concentrations in the watershed were documented in an unnamed tributary at Pine Hill Rd (upstream of Allen Pond) (maximum of 1,986 MPN). No correctable sources were found. Too limited bacteria data are available to evaluate the Secondary Contact Recreational Use for East Branch Westport River so it will continue to be assessed as Not Supporting with the Fecal Coliform impairment being carried forward.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
East Branch Westport River (MA95-41): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 2.6058 sq mi (98%). The approved shellfish growing area represents 0.2087 sq mi (8%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

East Head Pond (MA95177)

Location:	Carver/Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	92 ACRES
Classification/Qualifier:	B

No usable data were available for East Head Pond (MA95177) 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

East River (MA95-95)

Location:	From Main Avenue, Wareham to Onset Bay, including Broad Cove, Wareham.
AU Type:	ESTUARY
AU Size:	0.12 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--

Recommendations

2024/26 Recommendations
2024IR [Bacteria, Low] Follow-up monitoring should be conducted in East River (MA95-95), to confirm if *Enterococcus* bacteria is impairing the Primary Contact Recreational Use. Monitoring should be conducted in particular on the west bank of the AU, closer to the downstream end, in the area of East Boulevard beach [Beach ID: 3190] in Wareham. An Alert for *Enterococcus* was identified since East Boulevard beach was posted for >10% of the swimming season in 2022 (12%). There were rarely any other postings for the two other beaches on this AU or the remainder of the years considered for East Boulevard. This is of low priority;

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 East River (MA95-95) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
East River (MA95-95): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.114 sq mi (92%). The approved shellfish growing area represents 0.0002 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB40.0	Onset Bay	Approved	0.00018	0.1%
BB40.3	Town Pier Mooring Area	Conditionally Approved	0.01290	10.4%
BB40.4	Onset Ave Bridge	Prohibited	0.00105	0.8%
BB40.6	Eastern Side of Onset Bay Mooring Area	Conditionally Approved	0.00003	0.0%
BB42.2	East River/Broad Cove	Conditionally Approved	0.09883	80.0%
BB42.3	Muddy Cove	Conditionally Approved	0.00075	0.6%
BB42.4	East River Boat Ramp	Prohibited	0.00023	0.2%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for East River (MA95-95) 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 the East River (MA95-95) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. East River has 3 beaches with MDPH Beach Closure data: Onset [Beach ID: 3184], East Boulevard [Beach ID: 3190] and Riverside Avenue [Beach ID: 3183] beaches in Wareham. Most of these beaches were rarely, if at all, posted for swimming from 2018-2022. However, an Alert for *Enterococcus* is being identified since East Boulevard beach was posted for >10% of the swimming season in 2022 (12%). The shellfish growing areas (0.114 sq mi) in this AU are less than 100% approved (0.0002 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of East River.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
3183	Riverside Avenue/ Wareham	41.74803, -70.65580	41.75058, -70.65250	3%	0%	0%	0%	0%	0%	0%	0%	0%	0
3184	Onset/ Wareham	41.73845, -70.66390	41.74233, -70.65410	2%	0%	0%	0%	0%	0%	0%	0%	0%	0
3190	East Boulevard/ Wareham	41.74513, -70.65650	41.74417, -70.65510	3%	0%	0%	0%	0%	0%	0%	0%	12%	1

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
East River (MA95-95): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.114 sq mi (92%). The approved shellfish growing area represents 0.0002 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for the East River (MA95-95) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. East River has 3 beaches with MDPH Beach Closure data: Onset [Beach ID: 3184], East Boulevard [Beach ID: 3190] and Riverside Avenue [Beach ID: 3183] beaches in Wareham. All these beaches were rarely, if at all, posted for swimming from 2018-2022. The shellfish growing areas (0.114 sq mi) in this AU are less than 100% approved (0.0002 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of East River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
East River (MA95-95): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.114 sq mi (92%). The approved shellfish growing area represents 0.0002 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Eel Pond (MA95-48)

Location:	Salt water pond that discharges to the Back River, Bourne.
AU Type:	ESTUARY
AU Size:	0.03 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Eel Pond (MA95-48) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Eel Pond (MA95-48): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0282 sq mi (88%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB47.2	Back River and Eel Pond	Conditionally Approved	0.02815	88.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Eel Pond (MA95-48) is Not Assessed.

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 Eel Pond (MA95-48) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0282 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess Primary Contact Recreation Use of Eel Pond.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Eel Pond (MA95-48): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0282 sq mi (88%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Eel Pond (MA95-48) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0282 sq mi) in this AU are less than 100% approved (0 sq mi, 0%). The data were too limited to assess Secondary Contact Recreation Use of Eel Pond (MA95-48) based on shellfish classification data.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Eel Pond (MA95-48): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0282 sq mi (88%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Eel Pond (MA95-61)

Location:	Coastal pond at the head of Mattapoisett Harbor, Mattapoisett.
AU Type:	ESTUARY
AU Size:	0.04 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nutrient/Eutrophication Biological Indicators	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 Eel Pond (MA95-61) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Eel Pond (MA95-61): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0321 sq mi (80%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0321 sq mi (80%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB25.11	Town Docks	Prohibited	0.00001	0.0%
BB25.2	Mattapoisett Inner Harbor	Conditionally Approved	0.00003	0.1%
BB27.0	Eel Pond	Prohibited	0.03206	79.6%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Eel Pond (MA95-61) is Not Assessed.

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 Eel Pond (MA95-61) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0321 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Eel Pond.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Eel Pond (MA95-61): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0321 sq mi (80%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Eel Pond (MA95-61) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0321 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Eel Pond.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Eel Pond (MA95-61): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0321 sq mi (80%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Ezekiel Pond (MA95051)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	36 ACRES
Classification/Qualifier:	B

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	--	--	--

Recommendations

2024/26 Recommendations
2024/26IR [Harmful Algal Blooms, Medium] Follow-up monitoring should be conducted in Ezekiel Pond (MA95051) 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. This is of Medium Priority;

Designated Use Attainment Decisions

Fish Consumption

2024/26 Use Attainment	Alert

Not Supporting	NO

2024/26 Use Attainment Summary
The Fish Consumption Use for Ezekiel Pond (MA95051) continues to be assessed as Not Supporting with the prior Mercury in Fish Tissue impairment being carried forward. Fish toxics sampling for mercury, organochlorine pesticides, and metals was performed by MassDEP WPP biologists in Ezekiel Pond at station F0458 in 2018 as part of the probabilistic lake surveys (MAP2). MDPH included a site-specific advisory for Ezekiel Pond in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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 7)

Summary Statement
Fish toxics sampling for mercury, organochlorine pesticides, and metals was performed by MassDEP WPP biologists in Ezekiel Pond (MA95051) at station F0458 in 2018 as part of the probabilistic lake surveys (MAP2). MDPH retained the existing site-specific fish consumption advisories for Mercury associated with Ezekiel Pond 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 Ezekiel Pond (MA95051).

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	YES

2024/26 Use Attainment Summary

The Aesthetics Use for Ezekiel Pond (MA95051) is assessed Fully Supporting based on the general lack of objectionable conditions noted by MassDEP staff during the summer of 2018. An Alert is being identified for Harmful Algal Blooms in this waterbody since C-HAB postings (blooms of >15 days in duration) were reported to MDPH for 2020, 2021 and 2022. MassDEP staff recorded aesthetics observations as part of the MAP2 lake monitoring project in summer 2018 at two stations in Plymouth for this Ezekiel Pond AU; at the southwestern edge of pond, between Hudson Street and Kendall Avenue (W2790/MAP2L-289S, n=5) and at the deep hole index site (W2789/MAP2L-289, 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), though field staff noted green water color on one occasion. During the MAP2 macrophyte mapping survey in Jul 2018 (n=1), less than 25% (0.9%) of the waterbody was determined to have an aquatic macrophyte biovolume >50%. During the period 2015 through 2022, C-HAB postings for Ezekiel Pond were reported to MDPH based on visual observations for 33 days in 2020, 21 days in 2021, and 31 days in 2022 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 in this waterbody and a recommendation for follow-up sampling will be made.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2789	MassDEP	Water Quality	Ezekiel Pond	[index site, Plymouth]	41.804909	-70.611966
W2790	MassDEP	Water Quality	Ezekiel Pond	[southwestern edge of pond, between Hudson Street and Kendall Avenue, Plymouth]	41.802557	-70.614331

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2789	Ezekiel Pond	2018	Aesthetics Impaired?	No	3	3
W2789	Ezekiel Pond	2018	Aquatic Plant Density, Overall	None	3	3
W2789	Ezekiel Pond	2018	Color	Greenish	1	3
W2789	Ezekiel Pond	2018	Color	None	2	3
W2789	Ezekiel Pond	2018	Objectionable Deposits	No	3	3
W2789	Ezekiel Pond	2018	Odor	None	3	3
W2789	Ezekiel Pond	2018	Scum	No	3	3

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2789	Ezekiel Pond	2018	Turbidity	None	3	3
W2790	Ezekiel Pond	2018	Aesthetics Impaired?	No	5	5
W2790	Ezekiel Pond	2018	Color	None	5	5
W2790	Ezekiel Pond	2018	Objectionable Deposits	No	4	5
W2790	Ezekiel Pond	2018	Objectionable Deposits	Yes	1	5
W2790	Ezekiel Pond	2018	Odor	None	5	5
W2790	Ezekiel Pond	2018	Scum	No	4	5
W2790	Ezekiel Pond	2018	Scum	Yes	1	5
W2790	Ezekiel Pond	2018	Turbidity	None	5	5

Algal Bloom Information

Cyanobacteria Harmful Algal Bloom (C-HAB) Summary Statements for 2015-2022 MDPH Data (Bailey, Logan April 26, 2023) (MassDEP Undated 2)

C-HAB Summary Statement
During the period 2015 through 2022, C-HAB postings for Ezekiel Pond (MA95051) were reported to MDPH based on visual observations for 33 days in 2020, 21 days in 2021, and 31 days 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. 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 2)

[* 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
Ezekiel Pond	Plymouth						33	21	31

Primary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	YES

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Ezekiel Pond (MA95051) is assessed as Fully Supporting based on bacteria data collected at one station and good water clarity according to Secchi depth measurements, in 2018. An Alert is being identified for Harmful Algal Blooms in this waterbody since C-HAB postings (blooms of >15 days in duration) were reported to MDPH for 2020, 2021 and 2022. During the period 2015 through 2022, C-HAB postings for Ezekiel Pond were reported to MDPH based on visual observations for 33 days in 2020, 21 days in 2021, and 31 days in 2022 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, a Harmful Algal Blooms Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made. MassDEP collected Secchi depth and cyanobacteria cell count data in 2018 at W2789 [MAP2L-289, Index-deep hole] and cyanobacteria cell count and cyanotoxins data at W2790 [MAP2L-289S, Shoreline]; the Town of Plymouth (PLY) also collected Secchi depth data at deep hole station PLY_Ezekiel_DeepHole in 2014. In 2018 Secchi depth data at index station W2789 (station depth=6.2 m) indicated water clarity meeting the 1.2m (4ft) threshold (n=3, 3.81-3.92m) and while Secchi depth data were too limited (n <3) to evaluate water clarity using data from PLY_Ezekiel_DeepHole in 2014 (n=1, 3.1m) this measurement also met the 1.2 m (4 ft) threshold. The cyanobacteria cell count did not exceed 70,000 cells/ml in any of the water samples at either MassDEP station in 2018 (n=6). Analysis of microcystins and cylindrospermopsin samples from MassDEP's shoreline station W2790 in 2018 (n=6) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. MassDEP staff also collected *E. coli* bacteria samples in Ezekiel Pond at W2790 [southwestern edge of pond, between Hudson St and Kendall Avenue, Plymouth] from May-Sep 2018 (n=5). Analysis of the single year limited frequency dataset from this station indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV and the seasonal GM was 3 CFU/100ml, which meets 2024 CALM guidance.

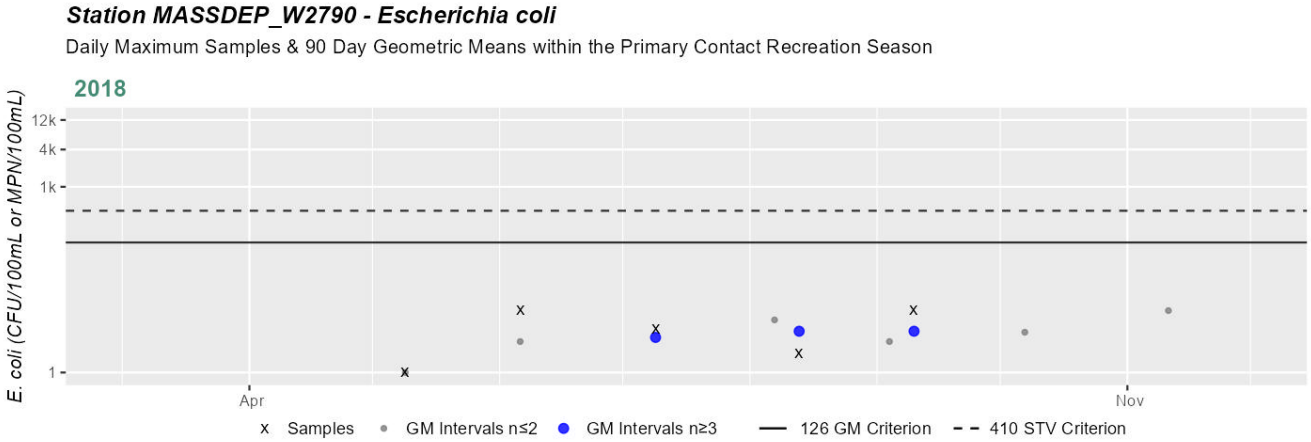
Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2789	MassDEP	Water Quality	Ezekiel Pond	[index site, Plymouth]	41.804909	-70.611966
W2790	MassDEP	Water Quality	Ezekiel Pond	[southwestern edge of pond, between Hudson Street and Kendall Avenue, Plymouth]	41.802557	-70.614331

Bacteria Data

Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (MassDEP Undated 5)
[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
W2790	MassDEP	E. coli	05/09/18	09/10/18	5	1	10	3



Variable*	Result
Samples	5
SeasGM	3
#GMI	3
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data
(MassDEP Undated 9) (MassDEP Undated 5) (MassDEP Undated 3)

Data Year(s)	Summary
2014, 2018	In Ezekiel Pond (MA95051) in 2018, MassDEP collected Secchi and cyanobacteria cell count data at W2789 [MAP2L-289, Index-deep hole], and cyanobacteria cell count and cyanotoxin data at W2790 [MAP2L-289S, Shoreline]. The Town of Plymouth (PLY) collected Secchi data at PLY_Ezekiel_DeepHole [41.805017, -70.61155, Deep spot] in 2014. At station PLY_Ezekiel_DeepHole (station depth=5 m) the Secchi depth (n=1) was measured to be 3.1 m on Aug 25, 2014 indicating water clarity meeting the 1.2 m (4 ft) threshold. In 2018 at DEP's index station W2789 (station depth=6.2 m) the Secchi depth measurements ranged from 3.81-3.92 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 collected in 2018 at either DEP station (n=6). Analysis of microcystins and cylindrospermopsin samples from DEP's shoreline station W2790 in 2018 (n=6) 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 9) (MassDEP Undated 5)

Station Code	Waterbody	Station Type	Data Year	Sample Count	Count >70,000 cells/mL	Exceedance Date(s)
W2789	Ezekiel Pond	Index	2018	3	0	NA
W2790	Ezekiel Pond	Shoreline	2018	3	0	NA

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	YES

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Ezekiel Pond (MA95051) is assessed as Fully Supporting based on bacteria data collected at one station in 2018. An Alert is being identified for Harmful Algal Blooms in this waterbody since C-HAB postings (blooms of >15 days in duration) were reported to MDPH for 2020, 2021 and 2022. During the period 2015 through 2022, C-HAB postings for Ezekiel Pond were reported to MDPH based on visual observations for 33 days in 2020, 21 days in 2021, and 31 days in 2022 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, a Harmful Algal Blooms Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made. MassDEP collected cyanobacteria cell count data in 2018 at W2789 [MAP2L-289, Index-deep hole] and cyanobacteria cell count and cyanotoxins data at W2790 [MAP2L-289S, Shoreline]. The cyanobacteria cell count did not exceed 70,000 cells/ml in any of the water samples at either MassDEP station in 2018 (n=6). Analysis of microcystins and cylindrospermopsin samples from MassDEP's shoreline station W2790 in 2018 (n=6) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. MassDEP staff also collected *E. coli* bacteria samples in Ezekiel Pond at W2790 [southwestern edge of pond, between Hudson St and Kendall Avenue, Plymouth] from May-Sep 2018 (n=5). Analysis of the single year limited frequency dataset from this station indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM was 3 CFU/100ml, which meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2790	MassDEP	Water Quality	Ezekiel Pond	[southwestern edge of pond, between Hudson Street and Kendall Avenue, Plymouth]	41.802557	-70.614331

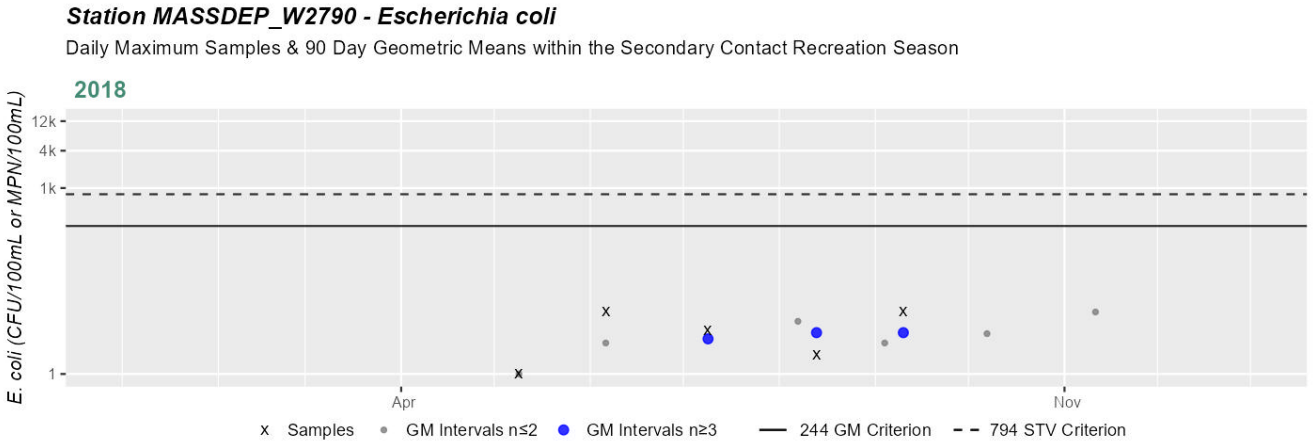
Bacteria Data

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

(MassDEP Undated 9) (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
W2790	MassDEP	E. coli	05/09/18	09/10/18	5	1	10	3



Variable*	Result
Samples	5
SeasGM	3
#GMI	3
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Fawn Pond (MA95053)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	44 ACRES
Classification/Qualifier:	B

No usable data were available for Fawn Pond (MA95053) 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

Fearing Pond (MA95054)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	23 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
2	5	PFAS in Fish Tissue	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
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 Fearing Pond (MA95054) is assessed as Not Supporting with a new impairment being added for PFAS in Fish Tissue. Fish toxics sampling was conducted at Fearing Pond in Plymouth as part of a June 2022 MDPH study assessing 40 PFAS analytes in fish tissue samples collected from lakes and ponds in state parks. MDPH issued a site-specific advisory for PFAS in Fearing Pond in their February 2023 Freshwater Fish Consumption Advisory List and retained it in the January 2025 list. The public should refer to the most recent MDPH 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.

Fish Consumption Advisories

Summary of Fish Toxics Sampling and Resulting Fish Consumption Advisories (MA DPH 2025) (MA DPH 2023b)

Summary Statement
Fish toxics sampling was conducted at Fearing Pond (MA95054) in Plymouth as part of a June 2022 MDPH study assessing 40 PFAS analytes in fish tissue samples collected from lakes and ponds in state parks. Because of elevated PFAS measured in fish filets, MDPH issued site-specific fish consumption advisories for Fearing Pond in their February 2023 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 PFAS in Fish Tissue for Fearing Pond (MA95054).

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Fearing Pond (MA95054) 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 Fearing Pond (MA95054) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Surface water sampling was conducted at Beach 1 and Beach 2 (called Campers Beach 1 & 2 by MDPH) on Fearing Pond in Plymouth as part of a May 2022 MDPH study assessing 40 PFAS analytes in surface water and fish tissue samples collected from waterbodies in state parks. The average concentrations of the seven analytes with individual toxicity criteria (PFOA, PFOS, PFNA, PFHxS, PFBA, PFBS, HFPO-DA/GenX) were all not detected. MDPH Beach Closure data for Fearings Pond (DCR) beach [Beach ID: 4632] in Plymouth indicated that this beach was rarely, if at all, posted for swimming from 2018-2022.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%

4632	Fearings Pond (DCR)/ Plymouth	41.82857, -70.66530	41.82950, -70.66350	0%	1%	0%	1%	0%	0%	0%	0%	0%	0

Other Indicators

Summary of MDPH 2021 and 2022 PFAS in Water Column Data

Data Sources: (MA DPH 2023a, MA DPH 2023b)

Surface water sampling was conducted at Beach 1 and Beach 2 (called Campers Beach 1 & 2 by MDPH) on Fearing Pond (MA95054) in Plymouth as part of a May 2022 MDPH study assessing 40 PFAS analytes in surface water and fish tissue samples collected from waterbodies in state parks. The average concentrations of the seven analytes with individual toxicity criteria (PFOA, PFOS, PFNA, PFHxS, PFBA, PFBS, HFPO-DA/GenX) were all not detected.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Fearing Pond (MA95054) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Fearings Pond (DCR) beach [Beach ID: 4632] in Plymouth indicated that this beach was rarely, if at all, posted for swimming from 2018-2022.

Federal Pond (MA95055)

Location:	Carver/Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	122 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4c	4c	(Aquatic Plants (Macrophytes)*)	--	Added
4c	4c	(Fanwort*)	--	Unchanged
4c	4c	(Non-Native Aquatic Plants*)	--	Unchanged
4c	4c	(Swollen Bladderwort*)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Aquatic Plants (Macrophytes)*)	Source Unknown (N)	--	--	X	X	X
(Fanwort*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Non-Native Aquatic Plants*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Swollen Bladderwort*)	Introduction of Non-native Organisms (Accidental or Intentional) (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 Federal Pond (MA95055) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Federal Pond (MA95055) continues to be assessed as Not Supporting, with an Aquatic Plants (Macrophytes) non-pollutant impairment being added. Since the Fanwort impairment was redundantly duplicated across multiple uses for this waterbody, the Fanwort impairment is being removed from the Aesthetics Use, but will continue to be maintained under the Aquatic Life Use. MassDEP staff described the surface water of Federal Pond as very densely covered with floating and submerged vegetation (including the non-native aquatic macrophyte Fanwort (*Cabomba caroliniana*)) during a July 1995 synoptic survey (MassDEP 1995) and Google Earth images from October 2016 and October 2021 (Google Earth Pro Undated) also show dense coverage over much of the pond in particular the northern arm (>25% coverage overall), consequently an Aquatic Plants (Macrophytes) non-pollutant impairment is being added in the place of the Fanwort impairment at this time. No new data are available to evaluate the Aesthetics Use for Federal Pond.

Aesthetic Observations

Federal Pond (MA95055) Google Earth Imagery: Pond Outline (2001) Followed by Imagery from 2016 and 2021 Showing Dense/Very Dense Vegetation Covering >25% of the Pond's Surface (Google Earth Pro Undated)


12/2001
Federal Pond
Federal Pond
Bare Hill Rd
Image MassGIS, Commonwealth of Massachusetts EOEA


10/2016
Federal Pond
Federal Pond
Bare Hill Rd



Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Federal Pond (MA95055) are available, so the Primary Contact Recreation Use continues to be assessed as Not Supporting. An Aquatic Plants (Macrophytes) impairment is being added (from the Aesthetics Use). Since the Fanwort impairment is being removed from the Aesthetics Use this cycle, this impairment is also being removed from the Primary Contact Recreation Use.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Federal Pond (MA95055) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use continues to be assessed as Not Supporting. An Aquatic Plants (Macrophytes) impairment is being added (from the Aesthetics Use). Since the Fanwort impairment is being removed from the Aesthetics Use this cycle, this impairment is also being removed from the Secondary Contact Recreation Use.

Fiddlers Cove (MA95-79)

Location:	cove south off Megansett Harbor, Falmouth.
AU Type:	ESTUARY
AU Size:	0.01 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	4a	Dissolved Oxygen	R1_MA_2018_02	Unchanged
5	4a	Estuarine Bioassessments	R1_MA_2018_02	Unchanged
5	4a	Fecal Coliform	R1_MA_2024_04	Changed
5	4a	Nitrogen, Total	R1_MA_2018_02	Unchanged
5	4a	Nutrient/Eutrophication Biological Indicators	R1_MA_2018_02	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Golf Courses (Y)	X	--	--	--	--	--
Dissolved Oxygen	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Dissolved Oxygen	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Dissolved Oxygen	Residential Districts (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Golf Courses (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Residential Districts (Y)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Golf Courses (Y)	X	--	--	--	--	--
Nitrogen, Total	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nitrogen, Total	Residential Districts (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Golf Courses (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Residential Districts (Y)	X	--	--	--	--	--

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
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
2022IR [Color, Low] Follow-up monitoring should be conducted in Fiddlers Cove (MA95-79), to confirm if Color is impairing the Aesthetics Use. An Alert was identified for Color due to intermittent observations of "very green or brown water or lots of particles", noted in Fiddlers Cove by Buzzards Bay Coalition (BBC) staff/volunteers between 2015 and 2019 at the inside end of the cove {BBC_FC3} and from a dock near the mouth of the cove {BBC_FC1N}. This is of low priority.

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 Fiddlers Cove (MA95-79) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Fiddlers Cove (MA95-79): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0121 sq mi (83%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB50.0	Megansett Harbor	Approved	0.00001	0.0%
BB50.1	Fiddlers Cove	Conditionally Approved	0.01207	83.3%

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 Fiddlers Cove (MA95-79), so it is Not Assessed. The prior Alert identified for Color (due to intermittent observations of "very green or brown water or lots of particles", noted in Fiddlers Cove by Buzzards Bay Coalition (BBC) staff/volunteers between 2015 and 2019) is being carried forward. A recommendation will be made for additional monitoring to determine if Color is impairing the Aesthetics Use.

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 Fiddlers Cove (MA95-79) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0121 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Fiddlers Cove. The prior Alert identified for Color is being removed from the Recreational Uses but continues to be maintained under the Aesthetics Use.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Fiddlers Cove (MA95-79): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0121 sq mi (83%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Fiddlers Cove (MA95-79) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0121 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Fiddlers Cove. The prior Alert identified for Color is being removed from the Recreational Uses but continues to be maintained under the Aesthetics Use.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Fiddlers Cove (MA95-79): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0121 sq mi (83%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Five Mile Pond (MA95056)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	22 ACRES
Classification/Qualifier:	B

No usable data were available for Five Mile Pond (MA95056) 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

Flax Pond (MA95-96087)

Location:	Bourne (formerly reported as 2010 segment: Flax Pond MA96087).
AU Type:	FRESHWATER LAKE
AU Size:	20 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	5	PFAS in Fish Tissue	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
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 Flax Pond (MA95-96087) is assessed as Not Supporting with a new impairment being added for PFAS in Fish Tissue. Fish toxics sampling was conducted at Flax Pond in Bourne in May 2021 as part of a MDPH pilot study assessing 40 PFAS analytes in fish tissue samples collected on Cape Cod. MDPH issued a site-specific advisory for PFAS in Flax Pond (referred to by MDPH as ''Flax Pond (Picture Lake)'') in their October 2021 Freshwater Fish Consumption Advisory List and retained it in the January 2025 list. The public should refer to the most recent MDPH 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.

Fish Consumption Advisories

Summary of Fish Toxics Sampling and Resulting Fish Consumption Advisories (MA DPH 2025) (MA DPH 2021)

Summary Statement
Fish toxics sampling was conducted at Flax Pond (MA95-96087) in Bourne in May 2021 as part of a MDPH pilot study assessing 40 PFAS analytes in fish tissue samples collected on Cape Cod. Because of elevated PFAS measured in fish filets, MDPH issued site-specific fish consumption advisories for Flax Pond (referred to by MDPH as Flax Pond (Picture Lake)) in their October 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 PFAS in Fish Tissue for Flax Pond (MA95-96087).

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Flax Pond (MA95-96087) is Not Assessed.

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 Flax Pond (MA95-96087) so it is assessed as having Insufficient Information. MDPH contractors conducted surface water sampling at Flax Pond also known as Picture Lake, in Bourne in May 2021 as part of a pilot study assessing 40 PFAS analytes in surface water and fish tissue samples collected from waterbodies on Cape Cod. In this study, MDPH evaluated four PFAS compounds (PFHxS, PFNA, PFOA, PFOS) individually against a candidate Surface Water Action Level (cSWAL) of 23 ng/L (ppt). All four compounds had concentrations less than the cSWAL, with the maximum being 4.29 ng/L of PFOA.

Other Indicators

Summary of MDPH 2021 and 2022 PFAS in Water Column Data

Data Sources: (Nascarella 2021, MA DPH 2021)

MDPH contractors conducted surface water sampling at Flax Pond (MA95-96087), also known as Picture Lake, in Bourne in May 2021 as part of a pilot study assessing 40 PFAS analytes in surface water and fish tissue samples collected from waterbodies on Cape Cod. In this study, MDPH evaluated four PFAS compounds (PFHxS, PFNA, PFOA, PFOS) individually against a candidate Surface Water Action Level (cSWAL) of 23 ng/L (ppt). All four compounds had concentrations less than the cSWAL, with the maximum being 4.29 ng/L of PFOA.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Flax Pond (MA95-96087) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Fresh Meadow Pond (MA95174)

Location:	Carver/Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	59 ACRES
Classification/Qualifier:	B

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

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fanwort*)	Introduction of Non-native Organisms (Accidental or Intentional) (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 Fresh Meadow Pond (MA95174) 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 Fresh Meadow Pond (MA95174) is Not Assessed.

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 Fresh Meadow Pond (MA95174) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. The Town of Plymouth (PLY) collected Secchi depth data at deep hole station PLY_FreshMeadow_DeepHole in 2014. Secchi depth data were too limited (n <3) to evaluate water clarity using data from PLY_FreshMeadow_DeepHole in September 2014 (n=1, 1.4m), although the measurement did meet the 1.2 m (4 ft) threshold.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2014	In Fresh Meadow Pond (MA95174), the Town of Plymouth (PLY) collected Secchi data at PLY_FreshMeadow_DeepHole [41.918389, -70.747333, Deep spot] in 2014. At station PLY_FreshMeadow_DeepHole (station depth=2.9 m) the Secchi depth (n=1) was measured to be 1.4 m on Sep 10, 2014 indicating water clarity meeting the 1.2 m (4 ft) threshold.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Fresh Meadow Pond (MA95174) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Gallows Pond (MA95059)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	49 ACRES
Classification/Qualifier:	B

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 Gallows Pond (MA95059) 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 Gallows Pond (MA95059) is Not Assessed.

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 Gallows Pond (MA95059) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. The Town of Plymouth (PLY) collected Secchi depth data at deep hole station PLY_Gallows_DeepHole in 2014-2015 and 2017. Secchi depth data at PLY_Gallows_DeepHole (station depth ranging 9.3-10.4m) indicated water clarity meeting the 1.2m (4ft) threshold in 2015 (n=3, 5.68-7.1m) and 2017 (n=4, 3.5-8.18m) and though the 2014 data were too limited at this station (n <3) to evaluate water clarity (n=1, 4.85m), this measurement also met the 1.2 m (4 ft) threshold.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2014-2015, 2017	In Gallows Pond (MA95059), the Town of Plymouth (PLY) collected Secchi data at PLY_Gallows_DeepHole [41.86315, -70.614367, Deep spot] from 2014-2015 and in 2017. In 2014 at station PLY_Gallows_DeepHole (station depth=10 m) the Secchi depth (n=1) was measured to be 4.85 m on Sep 10; in 2015 at station PLY_Gallows_DeepHole (station depth=9.3 m) the Secchi depth measurements ranged from 5.68-7.1 m (n=3) and in 2017 at station PLY_Gallows_DeepHole (station depth=10.4 m) the Secchi depth measurements ranged from 3.5-8.18 m (n=4). Secchi depth measurements in all three years indicated that water clarity met the 1.2 m (4 ft) threshold.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Gallows Pond (MA95059) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Giles Creek (MA95-89)

Location:	From Demarest Lloyd Memorial State Park, Dartmouth to mouth at Slocums River, Dartmouth.
AU Type:	ESTUARY
AU Size:	0.06 SQUARE MILES
Classification/Qualifier:	SA: SFO

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 Giles Creek (MA95-89) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Giles Creek (MA95-89): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0563 sq mi (93%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0563 sq mi (93%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB8.0	Slocum's River	Prohibited	0.05627	92.9%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Giles Creek (MA95-89) is Not Assessed.

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 Giles Creek (MA95-89) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0563 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Giles Creek.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Giles Creek (MA95-89): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0563 sq mi (93%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Giles Creek (MA95-89) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0563 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Giles Creek.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Giles Creek (MA95-89): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0563 sq mi (93%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Glen Charlie Pond (MA95061)

Location:	Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	157 ACRES
Classification/Qualifier:	B: WWF, HQW

No usable data were available for Glen Charlie Pond (MA95061) 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

Great Sippewisset Creek (MA95-23)

Location:	From the outlet of Beach Pond in Great Sippewisset Marsh, Falmouth to the mouth at Buzzards Bay, Falmouth (including Quahog Pond and the unnamed tributary from the outlet of Fresh Pond).
AU Type:	ESTUARY
AU Size:	0.03 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Great Sippewisset Creek (MA95-23) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Great Sippewisset Creek (MA95-23): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0205 sq mi (62%). The approved shellfish growing area represents 0.0019 sq mi (6%) and the prohibited shellfish growing area represents 0.0186 sq mi (56%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB55.0	Falmouth West Coastal	Approved	0.00187	5.7%
BB56.0	Great Sippewisset Marsh	Prohibited	0.01863	56.3%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Great Sippewisset Creek (MA95-23) is Not Assessed.

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 Great Sippewisset Creek (MA95-23), so it is assessed as having Insufficient Information. The shellfish growing areas (0.0205 sq mi) in this AU are less than 100% approved (0.0019 sq mi, 6%) which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Great Sippewisset Creek.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Great Sippewisset Creek (MA95-23): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0205 sq mi (62%). The approved shellfish growing area represents 0.0019 sq mi (6%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Great Sippewisset Creek (MA95-23), so it is assessed as having Insufficient Information. The shellfish growing areas (0.0205 sq mi) in this AU are less than 100% approved (0.0019 sq mi, 6%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Great Sippewisset Creek.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Great Sippewisset Creek (MA95-23): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0205 sq mi (62%). The approved shellfish growing area represents 0.0019 sq mi (6%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Halfway Pond (MA95178)

Location:	Plymouth (formerly reported as 1996 segment: Halfway Pond MA94057).
AU Type:	FRESHWATER LAKE
AU Size:	215 ACRES
Classification/Qualifier:	B

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

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Harmful Algal Blooms	Agriculture (N)	--	--	X	X	X
Harmful Algal Blooms	Source Unknown (N)	--	--	X	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 Halfway Pond (MA95178) continues to be assessed as Not Supporting and the prior Mercury in Fish Tissue impairment is being carried forward. Fish toxics sampling for mercury, organochlorine pesticides, and metals was performed by MassDEP WPP biologists in Halfway Pond at station F0450 in 2018 as part of the probabilistic lake surveys (MAP2). MDPH included a site-specific advisory for Halfway Pond in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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 7)

Summary Statement
Fish toxics sampling for mercury, organochlorine pesticides, and metals was performed by MassDEP WPP biologists in Halfway Pond (MA95178) at station F0450 in 2018 as part of the probabilistic lake surveys (MAP2). MDPH retained the existing site-specific fish consumption advisories for Mercury associated with Halfway Pond 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 Halfway Pond (MA95178).

Aesthetic

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Aesthetics Use for Halfway Pond (MA95178) continues to be assessed as Not Supporting, with the prior Harmful Algal Blooms impairment being carried forward since C-HAB postings were reported to MDPH in 2018, 2019, 2020 & 2022. MassDEP staff recorded aesthetics observations as part of the MAP2 lake monitoring project in summer 2018 at two stations in Plymouth, for Halfway Pond; at the northwestern point of pond, off Mast Road (W2797/MAP2L-257S, n=5) and at the deep hole index site in the eastern lobe of the pond (W2796/MAP2L-257, 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), though field staff noted green water color on two occasions (July and September) at the index station and at the shoreline station in September field staff also noted the water color to be green with high turbidity, raising an aesthetics flag at that time. Additionally, very dense algae (75-100% coverage) was observed on one occasion in September at the index station. During the MAP2 macrophyte mapping survey in Jul 2018 (n=1), less than 25% (0.4%) of the waterbody was determined to have an aquatic macrophyte biovolume >50%. However, during the period 2015 through 2022, C-HAB postings for Halfway Pond were reported to MDPH based on visual observations for 78 days in 2018, 29 days in 2019, 120 days in 2020, and 95 days in 2022 and no blooms were reported in other years. Since blooms were reported in recent years this is reflective of the existing Harmful Algal Bloom impairment for Halfway Pond.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2796	MassDEP	Water Quality	Halfway Pond	[index site, eastern lobe, Plymouth]	41.852937	-70.614673
W2797	MassDEP	Water Quality	Halfway Pond	[northwestern point of pond, off Mast Road, Plymouth]	41.856674	-70.623553

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2796	2018	3	Aesthetic observations were made by MassDEP field sampling crews at Station W2796 (MAP2L-257) on Halfway Pond (MA95178) during 3 site visits between Jul 2018 and Sep 2018. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted green water color (n=2). During the MAP2 macrophyte mapping survey (n=1) in Jul 2018, less than 25% (0.4%) of the waterbody was determined to have an aquatic macrophyte biovolume >50%.

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2797	2018	6	Aesthetic observations were made by MassDEP field sampling crews at Station W2797 (MAP2L-257S) on Halfway Pond (MA95178) during 6 site visits between May 2018 and Sep 2018. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted an aesthetics impairment flag (n=1), green water color (n=1), high turbidity (n=1), and objectionable deposits (n=2). During the MAP2 littoral survey (n=1), duckweed was not noted in any of the 10 shoreline plots.

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2796	Halfway Pond	2018	Aesthetics Impaired?	No	3	3
W2796	Halfway Pond	2018	Aquatic Plant Density, Overall	None	3	3
W2796	Halfway Pond	2018	Color	Greenish	2	3
W2796	Halfway Pond	2018	Color	None	1	3
W2796	Halfway Pond	2018	Objectionable Deposits	No	3	3
W2796	Halfway Pond	2018	Odor	None	3	3
W2796	Halfway Pond	2018	Scum	No	3	3
W2796	Halfway Pond	2018	Turbidity	Moderately Turbid	1	3
W2796	Halfway Pond	2018	Turbidity	Slightly Turbid	2	3
W2797	Halfway Pond	2018	Aesthetics Impaired?	No	5	6
W2797	Halfway Pond	2018	Aesthetics Impaired?	Yes	1	6
W2797	Halfway Pond	2018	Color	Greenish	1	6
W2797	Halfway Pond	2018	Color	None	5	6
W2797	Halfway Pond	2018	Objectionable Deposits	No	3	6
W2797	Halfway Pond	2018	Objectionable Deposits	NR	1	6
W2797	Halfway Pond	2018	Objectionable Deposits	Yes	2	6
W2797	Halfway Pond	2018	Odor	None	5	6
W2797	Halfway Pond	2018	Odor	NR	1	6
W2797	Halfway Pond	2018	Scum	No	3	6
W2797	Halfway Pond	2018	Scum	NR	1	6
W2797	Halfway Pond	2018	Scum	Yes	2	6
W2797	Halfway Pond	2018	Turbidity	Highly Turbid	1	6
W2797	Halfway Pond	2018	Turbidity	Moderately Turbid	1	6
W2797	Halfway Pond	2018	Turbidity	None	3	6
W2797	Halfway Pond	2018	Turbidity	Slightly Turbid	1	6

Algal Bloom Information

Cyanobacteria Harmful Algal Bloom (C-HAB) Summary Statements for 2015-2022 MDPH Data (Bailey, Logan April 26, 2023) (MassDEP Undated 2)

C-HAB Summary Statement
During the period 2015 through 2022, C-HAB postings for Halfway Pond (MA95178) were reported to MDPH based on visual observations for 78 days in 2018, 29 days in 2019, 120 days in 2020, and 95 days in 2022. No blooms were reported in other years. Since blooms were reported in recent years, a prior Harmful Algal Bloom impairment is being carried forward and the Aesthetics Use and Primary/Secondary Contact Recreational Uses continue to be assessed as Not Supporting.

Cyanobacteria Harmful Algal Bloom (C-HAB) Data (2015-2022) Provided by MDPH (Bailey, Logan April 26, 2023) (MassDEP Undated 2)

[* 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
Halfway Pond	Plymouth				78	29	120		95

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Halfway Pond (MA95178) continues to be assessed as Not Supporting. The prior Harmful Algal Blooms impairment is being carried forward based on C-HAB postings (extending >20 days) reported to MDPH in 2018, 2019, 2020 & 2022. During the period 2015 through 2022, C-HAB postings for Halfway Pond were reported to MDPH based on visual observations for 78 days in 2018, 29 days in 2019, 120 days in 2020, and 95 days in 2022. No blooms were reported in other years. Since blooms were reported in recent years the prior Harmful Algal Bloom impairment is being carried forward and the C-HAB data continues to be indicative of a Harmful Algal Bloom impairment. MassDEP collected Secchi depth and cyanobacteria cell count data in 2018 at W2796 [MAP2L-257, Index-deep hole] and cyanobacteria cell count and cyanotoxins data in 2018 at W2797 [MAP2L-257S, Shoreline], in addition the Town of Plymouth (PLY) collected Secchi depth data at deep hole station PLY_Halfway_DeepHole in 2014-2015 and 2017. The Secchi depth data are generally indicative of water clarity meeting the 1.2m (4ft) threshold at PLY_Halfway_DeepHole (station depth ranging 3.6-4.1 m) in 2015 (n=3, 2.75-3.31m) and 2017 (n=5, 1.9-3.6m), as well as at DEP's index station W2796 (station depth=4.1 m) in 2018 (n=3, 0.75-3.4m), with just 1 measurement taken at W2796 on Sep 27th that was less than the 1.2 m (4 ft) threshold. Secchi depth data were too limited (n <3) to evaluate water clarity using data from PLY_Halfway_DeepHole in 2014 (n=1, 2m). The cyanobacteria cell count at the two DEP stations exceeded 70,000 cells/ml on Sep 10, 2018 and Sep 27, 2018 indicating a cyanobacteria bloom estimated to have extended at least 17 days that year (n=6), which is reflective of the existing Harmful Algal Blooms impairment for Halfway Pond. Analysis of microcystins and cylindrospermopsin samples from shoreline station W2797 in 2018 (n=6) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. MassDEP staff also collected *E. coli* bacteria samples in Halfway Pond at W2797 [northwestern point of pond, off Mast Rd, Plymouth] from May-Sep 2018 (n=5). Analysis of the single year limited frequency dataset from this station indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV and the seasonal GM was 2 CFU/100ml which meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2796	MassDEP	Water Quality	Halfway Pond	[index site, eastern lobe, Plymouth]	41.852937	-70.614673
W2797	MassDEP	Water Quality	Halfway Pond	[northwestern point of pond, off Mast Road, Plymouth]	41.856674	-70.623553

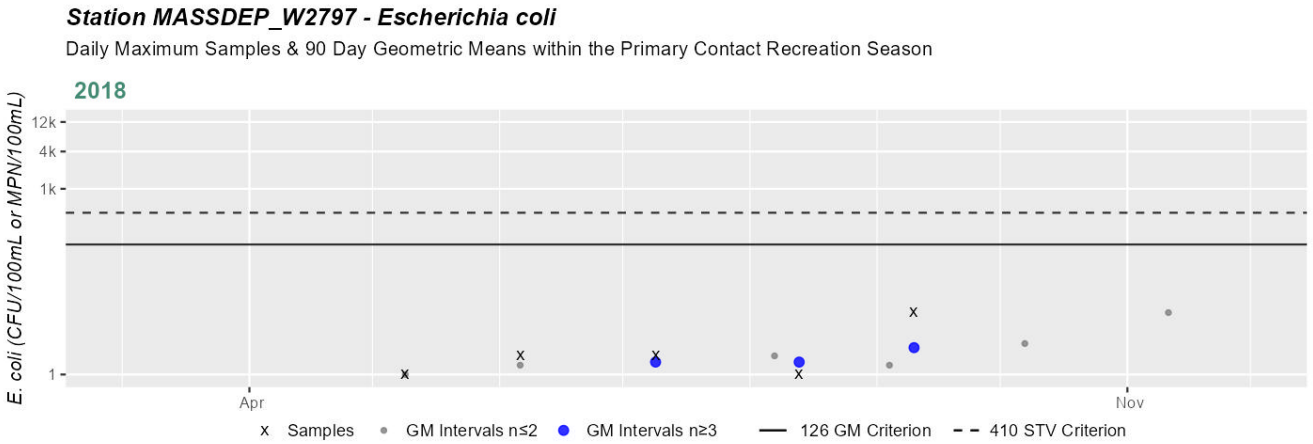
Bacteria Data

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

(MassDEP Undated 9) (MassDEP Undated 5)

[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
W2797	MassDEP	E. coli	05/09/18	09/10/18	5	1	10	2



Variable*	Result
Samples	5
SeasGM	2
#GMI	3
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data
(MassDEP Undated 9) (MassDEP Undated 5) (MassDEP Undated 3)

Data Year(s)	Summary
2014-2015, 2017-2018	In Halfway Pond (MA95178) in 2018, MassDEP collected Secchi and cyanobacteria cell count data at W2796 [MAP2L-257, Index-deep hole] (2018) and cyanobacteria cell count and cyanotoxin data at W2797 [MAP2L-257S, Shoreline]. The Town of Plymouth (PLY) collected Secchi data at PLY_Halfway_DeepHole [41.847017, -70.617317, Deep spot] from 2014-2015 and in 2017. In 2014 at station PLY_Halfway_DeepHole (station depth=4 m) the Secchi depth (n=1) was measured to be 2 m on Sep 10, 2014, in 2015 at station PLY_Halfway_DeepHole (station depth=3.6 m) the Secchi depth measurements ranged from 2.75-3.31 m (n=3) and in 2017 at station PLY_Halfway_DeepHole (station depth=4.1 m) the Secchi depth measurements ranged from 1.9-3.6 m (n=5). The Secchi depth measurements in all three years indicated water clarity met the 1.2 m (4 ft) threshold. In 2018 at DEP's index station W2796 (station depth=4.1 m) the Secchi depth measurements ranged from 0.75-3.4 m (n=3) with 1 measurement taken on Sep 27, 2018 that was less than the 1.2 m (4 ft) threshold. The cyanobacteria cell count exceeded 70,000 cells/ml on Sep 10, 2018 and Sep 27, 2018 indicating a cyanobacteria bloom estimated to have extended at least 17 days in 2018 (n=6). The elevated cyanobacteria cell count measurement is indicative of a Harmful Algal Blooms Alert. Analysis of microcystins and cylindrospermopsin samples from W2797 in 2018 (n=6) 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 9) (MassDEP Undated 5)

Station Code	Waterbody	Station Type	Data Year	Sample Count	Count >70,000 cells/mL	Exceedance Date(s)
W2796	Halfway Pond	Index	2018	3	1	9/27/2018
W2797	Halfway Pond	Shoreline	2018	3	1	9/10/2018

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Halfway Pond (MA95178) continues to be assessed as Not Supporting. The prior Harmful Algal Blooms impairment is being carried forward based on C-HAB postings (extending >20 days) reported to MDPH in 2018, 2019, 2020 & 2022. During the period 2015 through 2022, C-HAB postings for Halfway Pond were reported to MDPH based on visual observations for 78 days in 2018, 29 days in 2019, 120 days in 2020, and 95 days in 2022. No blooms were reported in other years. Since blooms were reported in recent years the prior Harmful Algal Bloom impairment is being carried forward and the C-HAB data continues to be indicative of a Harmful Algal Bloom impairment.
MassDEP collected cyanobacteria cell count data in 2018 at W2796 [MAP2L-257, Index-deep hole] and cyanobacteria cell count and cyanotoxins data also in 2018 at W2797 [MAP2L-257S, Shoreline]. The cyanobacteria cell count exceeded 70,000 cells/ml on Sep 10, 2018 and Sep 27, 2018 indicating a cyanobacteria bloom estimated to have extended at least 17 days in 2018 (n=6), which is reflective of the existing Harmful Algal Blooms impairment for Halfway Pond. Analysis of microcystins and cylindrospermopsin samples from shoreline station W2797 in 2018 (n=6) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. MassDEP staff also collected *E. coli* bacteria samples in Halfway Pond at W2797 [northwestern point of pond, off Mast Rd, Plymouth] from May-Sep 2018 (n=5). Analysis of the single year limited frequency dataset from this station indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM was 2 CFU/100ml, which meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2797	MassDEP	Water Quality	Halfway Pond	[northwestern point of pond, off Mast Road, Plymouth]	41.856674	-70.623553

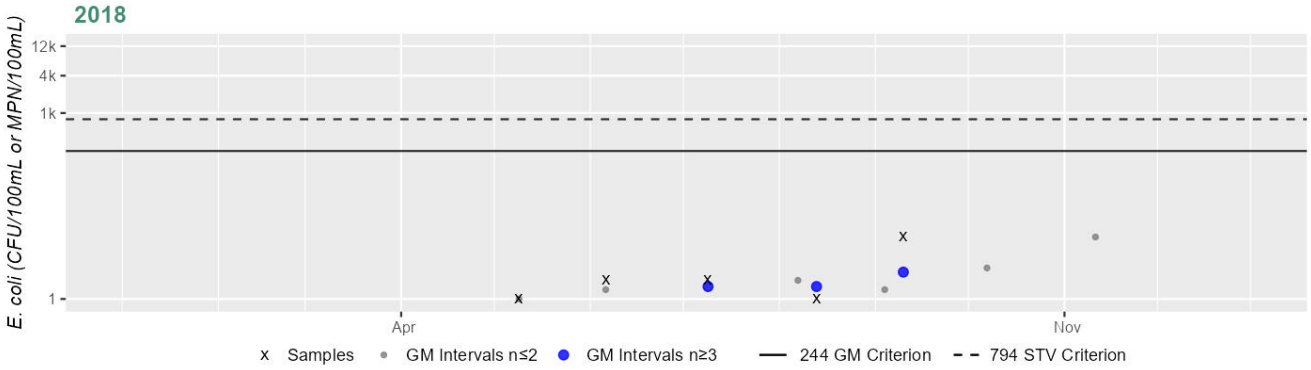
Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (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
W2797	MassDEP	E. coli	05/09/18	09/10/18	5	1	10	2

Station MASSDEP_W2797 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	2
#GMI	3
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Hammett Cove (MA95-56)

Location:	Borders Sippican Harbor (along a line from the southwestern most point of Little Neck to the end of the seawall on the opposite point), Marion.
AU Type:	ESTUARY
AU Size:	0.07 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nitrogen, Total	--	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Source Unknown (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	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 Hammett Cove (MA95-56) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Hammett Cove (MA95-56): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0714 sq mi (97%). The approved shellfish growing area represents 0.0552 sq mi (75%) and the prohibited shellfish growing area represents 0.0162 sq mi (22%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment, so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB32.01	Point Road/Hammett's Cove	Approved	0.05521	74.9%
BB32.3	Hammetts Cove	Prohibited	0.01623	22.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Hammett Cove (MA95-56) 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 Hammett Cove (MA95-56) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Oakdale Avenue beach [Beach ID: 2946] in Marion indicated that this beach was rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.0714 sq mi) in this AU are less than 100% approved (0.0552 sq mi, 75%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Hammett Cove.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2946	Oakdale Avenue/ Marion	41.71926, -70.75860	41.71908, -70.75860	2%	0%	1%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Hammett Cove (MA95-56): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0714 sq mi (97%). The approved shellfish growing area represents 0.0552 sq mi (75%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Hammett Cove (MA95-56) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Oakdale Avenue beach [Beach ID: 2946] in Marion indicates that this beach was rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.0714 sq mi) in this AU are less than 100% approved (0.0552 sq mi, 75%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Hammett Cove.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Hammett Cove (MA95-56): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0714 sq mi (97%). The approved shellfish growing area represents 0.0552 sq mi (75%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Harbor Head (MA95-46)

Location:	The semi-enclosed body of water south of the confluence with West Falmouth Harbor, south of Chappaquoit Road, Falmouth.
AU Type:	ESTUARY
AU Size:	0.02 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Estuarine Bioassessments	34284	Unchanged
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Residential Districts (Y)	X	--	--	--	--	--
Fecal Coliform	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 Harbor Head (MA95-46) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Harbor Head (MA95-46): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0176 sq mi (80%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB54.0	West Falmouth Harbor	Conditionally Approved	0.00000	0.0%
BB54.2	West Falmouth Harbor	Restricted	0.01761	80.1%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Harbor Head (MA95-46) is Not Assessed.

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 Harbor Head (MA95-46) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0176 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Harbor Head.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Harbor Head (MA95-46): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0176 sq mi (80%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Harbor Head (MA95-46) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0176 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Harbor Head.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Harbor Head (MA95-46): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0176 sq mi (80%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Herring Brook (MA95-21)

Location:	Estuarine portion northeast of Dale Drive and west of Route 28A, Falmouth to the mouth at Buzzards Bay, Falmouth.
AU Type:	ESTUARY
AU Size:	0.01 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Chlorophyll-a	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nitrogen, Total	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Chlorophyll-a	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Source Unknown (N)	X	--	--	--	--	--

Recommendations

2024/26 Recommendations
2022IR [Color, Low] Follow-up monitoring should be conducted in Herring Brook (MA95-21), to confirm if Color is impairing the Aesthetics Use. An Alert was identified for Color due to intermittent observations of “rusty red water or lots of particles”, noted at the uppermost reach area {BBC_HB4} in Herring Brook by Buzzards Bay Coalition (BBC) staff/volunteers between 2015 and 2019. This is of low priority;

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 Herring Brook (MA95-21) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Herring Brook (MA95-21): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0094 sq mi (76%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0094 sq mi (76%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment, so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB51.0	North Falmouth Outer Harbor	Approved	0.00000	0.0%
BB53.0	Herring Brook	Prohibited	0.00939	76.1%

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 Herring Brook (MA95-21), so it is Not Assessed. The prior Alert identified for Color, due to intermittent observations of "rusty red water or lots of particles", noted at the innermost sampling site in Herring Brook by Buzzards Bay Coalition (BBC) staff/volunteers between 2015 and 2019, is being carried forward. Recommendations will be made for additional monitoring to determine if Color is impairing the Aesthetics Use of Herring Brook.

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 Herring Brook (MA95-21) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0094 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Herring Brook. The prior Alert identified for Color is being removed from the Recreational Uses but continues to be maintained under the Aesthetics Use.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Herring Brook (MA95-21): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0094 sq mi (76%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Herring Brook (MA95-21) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0094 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Herring Brook. The prior Alert identified for Color is being removed from the Recreational Uses but continues to be maintained under the Aesthetics Use.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Herring Brook (MA95-21): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0094 sq mi (76%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Hiller Cove (MA95-10)

Location:	The water landward of a line drawn between Joes Point, Mattapoisett and the second boat dock northeast of Hiller Cove Lane, Mattapoisett.
AU Type:	ESTUARY
AU Size:	0.04 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	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 Hiller Cove (MA95-10) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Hiller Cove (MA95-10): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.038 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB30.0	Hiller Cove	Conditionally Approved	0.03314	84.6%
BB30.1	Hiller Cove Brook	Conditionally Approved	0.00481	12.3%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Hiller Cove (MA95-10) 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 Hiller Cove (MA95-10) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Aucoot beach [Beach ID: 5412] in Mattapoisett, indicated that this beach was never posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.038 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Hiller Cove.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
5412	Aucoot/ Mattapoisett	41.66610, -70.76220	41.66750, -70.76190	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Hiller Cove (MA95-10): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.038 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Hiller Cove (MA95-10) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Aucoot beach [Beach ID: 5412] in Mattapoisett, indicated that this beach was never posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.038 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess Secondary Contact Recreation Use of Hiller Cove.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Hiller Cove (MA95-10): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.038 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Horseneck Channel (MA95-87)

Location:	From the outlet of The Let to the confluence with the East Branch Westport River (east of Route 88), Westport.
AU Type:	ESTUARY
AU Size:	0.24 SQUARE MILES
Classification/Qualifier:	SA: SFO

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 Horseneck Channel (MA95-87) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
Horseneck Channel (MA95-87): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2247 sq mi (96%). The approved shellfish growing area represents 0.2247 sq mi (96%). The Shellfish Harvesting Use is assessed as Fully Supporting because the growing area (normalized to the AU area) is classified as 100% approved.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB4.0	Horseneck Channel & The Let	Approved	0.22473	95.6%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Horseneck Channel (MA95-87) 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 Horseneck Channel (MA95-87) continues to be assessed as Fully Supporting. The shellfish growing areas (0.2247 sq mi) in this AU are 100% approved and are indicative of Fully Supporting conditions for the Primary Contact Recreation Use of Horseneck Channel.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Horseneck Channel (MA95-87): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2247 sq mi (96%). The approved shellfish growing area represents 0.2247 sq mi (96%). The Primary Contact Recreational Use is assessed as fully supporting because the growing area (normalized to the AU area) is classified as 100% approved, unless other data are available that contradict this use attainment decision.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Horseneck Channel (MA95-87) continues to be assessed as Fully Supporting. The shellfish growing areas (0.2247 sq mi) in this AU are 100% approved and are indicative of Fully Supporting conditions for the Secondary Contact Recreation Use of Horseneck Channel.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Horseneck Channel (MA95-87): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2247 sq mi (96%). The approved shellfish growing area represents 0.2247 sq mi (96%). The Secondary Contact Recreational use is assessed as fully supporting because the growing area (normalized to the AU area) is classified as 100% approved, unless other data are available that contradict this use attainment decision.

Horseshoe Pond (MA95075)

Location:	Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	59 ACRES
Classification/Qualifier:	B: WWF, HQW

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	5	Transparency / Clarity	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Transparency / Clarity	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 Horseshoe Pond (MA95075) 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 Horseshoe Pond (MA95075) 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 Horseshoe Pond (MA95075) is assessed as Not Supporting. A Transparency / Clarity impairment is being added due to Secchi depth data not meeting the threshold at 1 to 2 stations in 2019, 2020 & 2021. In Horseshoe Pond the Buzzards Bay Coalition (BBC) collected Secchi depth data at the downstream end of the AU at BBC_WW0 [Horseshoe Pond dam upstream side - aka Weweantic River system Fresh - Wareham] in 2015 and 2019-2021, then also at BBC_WW0A [Weweantic River Fresh] in 2021. All of the Secchi depth measurements were less than the 1.2 m (4 ft) threshold at BBC_WW0 (station depth=1.26 m) in 2019 (n=12/12, 0.3-0.85m), at BBC_WW0 (station depth=1.8 m) in 2020 (n=5/6, 0.1-1.6m) and at BBC_WW0A (station depth=1.4 m) in 2021 (n=10/10, 0.35-0.65m), which is indicative of a Transparency / Clarity impairment. Secchi depth data were too limited (n <3) to evaluate water clarity using data from BBC_WW0 in 2015 (n=1, 0.9m) and 2021 (n=1, 0.55m).

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2015, 2019, 2021	In Horseshoe Pond (MA95075), the Buzzards Bay Coalition (BBC) collected Secchi data at BBC_WW0 [41.765299, -70.74756, Horseshoe Pond dam upstream side - aka Weweantic River system Fresh - Wareham] in 2015 and 2019-2021 and BBC_WW0A [Weweantic River Fresh] in 2021. In 2015 at station BBC_WW0 (station depth=1.1 m) the Secchi depth (n=1) was measured to be 0.9 m on Jun 04, 2015 which was less than the 1.2 m (4 ft) threshold. In 2019 at station BBC_WW0 (station depth=1.26 m) the Secchi depth measurements ranged from 0.3-0.85 m (n=12) with 12 measurements in Jun, Jul, and Aug that were less than the 1.2 m (4 ft) threshold. In 2020 at station BBC_WW0 (station depth=1.8 m) the Secchi depth measurements ranged from 0.1-1.6 m (n=6) with 5 measurements in Jun, Aug, and Sep that were less than the 1.2 m (4 ft) threshold. In 2021 at station BBC_WW0 (station depth=1 m) the Secchi depth (n=1) was measured to be 0.55 m on Jun 11, 2021 which was less than the 1.2 m (4 ft) threshold. In 2021 at station BBC_WW0A (station depth=1.4 m) the Secchi depth measurements ranged from 0.35-0.65 m (n=10) with 10 measurements in Jul, Aug, and Sep that were less than the 1.2 m (4 ft) threshold. The Secchi depth measurements are indicative of a Transparency / Clarity impairment due to conditions at BBC_WW0 and BBC_WW0A.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Horseshoe Pond (MA95075) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Kings Pond (MA95078)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	22 ACRES
Classification/Qualifier:	B

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 Kings Pond (MA95078) 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 Kings Pond (MA95078) is Not Assessed.

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 Kings Pond (MA95078) and other available indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. In Kings Pond the Town of Plymouth (PLY) collected Secchi depth data at deep hole station PLY_Kings_DeepHole in 2016. Secchi depth data were too limited (n <3) to evaluate water clarity using data from PLY_Kings_DeepHole (station depth=3.5 m) in 2016 (n=1, 2.2m), although the measurement did meet the 1.2 m (4 ft) threshold.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2016	In Kings Pond (MA95078), the Town of Plymouth (PLY) collected Secchi data at PLY_Kings_DeepHole [41.91004, -70.705193, Deep spot] in 2016. At station PLY_Kings_DeepHole (station depth=3.5 m) the Secchi depth (n=1) was measured to be 2.2 m on Aug 30, 2016 indicating water clarity meeting the 1.2 m (4 ft) threshold m on Aug 30, 2016 indicating water clarity meeting the 1.2 m (4 ft) threshold.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

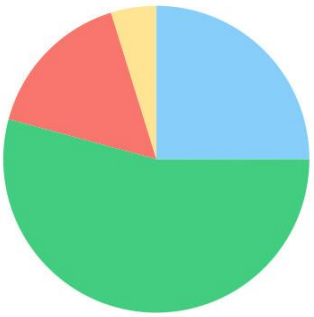
2024/26 Use Attainment Summary
No bacteria or other indicator data for Kings Pond (MA95078) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Kirby Brook (MA95-82)

Location:	Headwaters just south of Old County Road, Westport to the mouth at East Branch Westport River, Westport.
AU Type:	RIVER
AU Size:	2 MILES
Classification/Qualifier:	B

Kirby Brook (MA95-82)

Watershed Area: 3.83 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	3.83	3.79	1.43	1.43
Agriculture	4.8%	4.8%	2.7%	2.7%
Developed	16%	16.2%	7.8%	7.8%
Natural	54.2%	53.7%	50.1%	50.1%
Wetland	25%	25.2%	39.4%	39.4%
Impervious	6.2%	6.3%	3.7%	3.7%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	4a	Enterococcus	R1_MA_2024_04	Changed

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

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Enterococcus	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 Kirby Brook (MA95-82) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Too limited data are available to assess the Aesthetics Use for Kirby Brook (MA95-82), so it is assessed as having Insufficient Information. MassDEP staff recorded aesthetics observations close to the downstream end of Kirby Brook, at Drift Rd, Westport (W1374, n=2) during the summer of 2012 as part of the Bacteria Source Tracking project (BST): No persistent objectionable conditions (i.e., odors, deposits, growths, or turbidity) were recorded.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1374	MassDEP	Water Quality	Kirby Brook	[Drift Road, Westport]	41.600502	-71.073371

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W1374	2012	2	2	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W1374	Kirby Brook	2012	Aquatic Plant Density, Overall	Sparse	2	2
W1374	Kirby Brook	2012	Color	None	2	2
W1374	Kirby Brook	2012	Odor	None	2	2
W1374	Kirby Brook	2012	Periphyton Density, Filamentous	None	2	2
W1374	Kirby Brook	2012	Periphyton Density, Film	Moderate	2	2
W1374	Kirby Brook	2012	Turbidity	None	1	2
W1374	Kirby Brook	2012	Turbidity	Slightly Turbid	1	2

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Kirby Brook (MA95-82) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on bacteria data not meeting the threshold at 1 station in 2019. MassDEP and UMass - Dartmouth (UMassD) staff/volunteers collected *E. coli* (EC) and *Enterococcus* (Ent) bacteria samples in Kirby Brook from 2012-2019 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: at the upstream end of the AU at UMassD_9 [Old County Rd between 88 and Main Rd, N. Dartmouth] in 2019 (Ent n=1), then the downstream end of the AU at W1374 [Drift Rd, Westport] in 2012 (EC n=2) and UMassD_12 [420 Drift Rd, Westport] in 2019 (Ent n=15). The available *E. coli* data at W1374 and the *Enterococcus* data at UMassD_9 are both too limited to assess according to the 2024 CALM. However, analysis of the single year high frequency *Enterococcus* dataset from UMassD_12 indicated 75% of intervals had GMs >35 CFU/100ml and 40% of samples exceeded the 130 CFU/100ml STV, which is indicative of an *Enterococcus* impairment.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1374	MassDEP	Water Quality	Kirby Brook	[Drift Road, Westport]	41.600502	-71.073371
UMassD_12	UMass - Dartmouth	Water Quality	Kerby Brook	420 Drift Road, Westport	41.600612	-71.073411
UMassD_9	UMass - Dartmouth	Water Quality	Kerby Brook	Old County Road between 88 and Main Rd, N. Dartmouth	41.622289	-71.078047

Bacteria Data

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

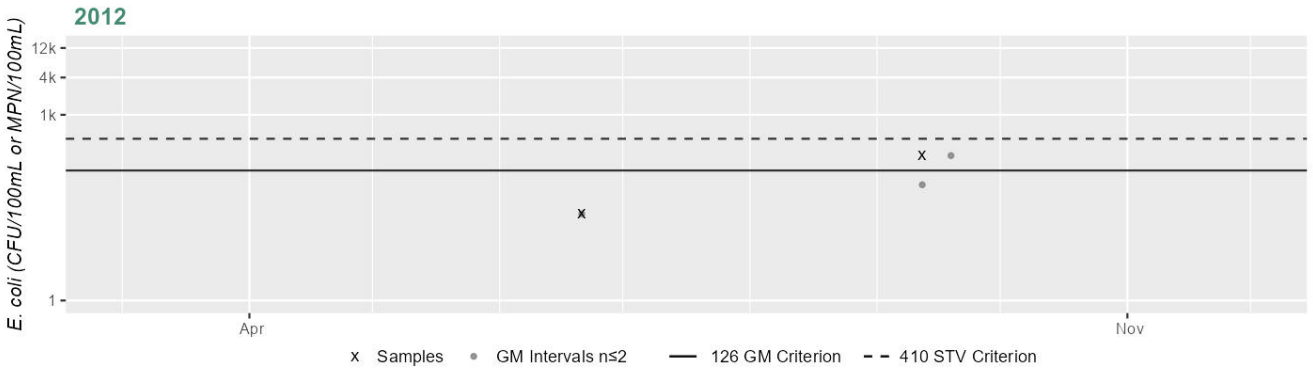
(MassDEP Undated 9) (MassDEP Undated 5) (UMass-Dartmouth 2019) (MassDEP Undated 3)

[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
W1374	MassDEP	E. coli	06/20/12	09/11/12	2	25	219	73
UMassD_12	Umass - Dartmouth	Enterococci	06/18/19	09/23/19	15	1	1046	92
UMassD_9	Umass - Dartmouth	Enterococci	06/13/19	06/13/19	1	30	30	30

Station MASSDEP_W1374 - Escherichia coli

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



Variable*	Result
Samples	2
SeasGM	73
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance

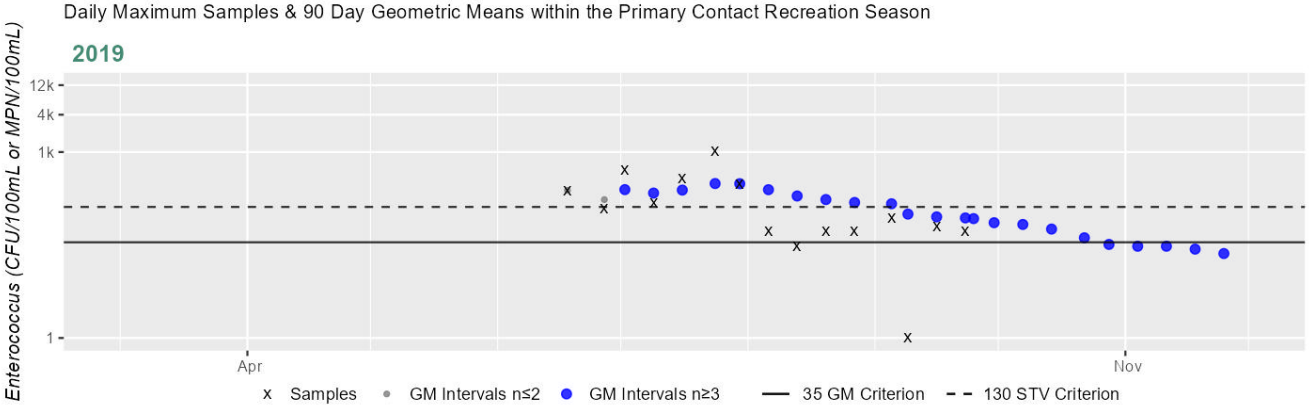
Current (2011-2022)

0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1374 & UMassD_12 - Enterococcus

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



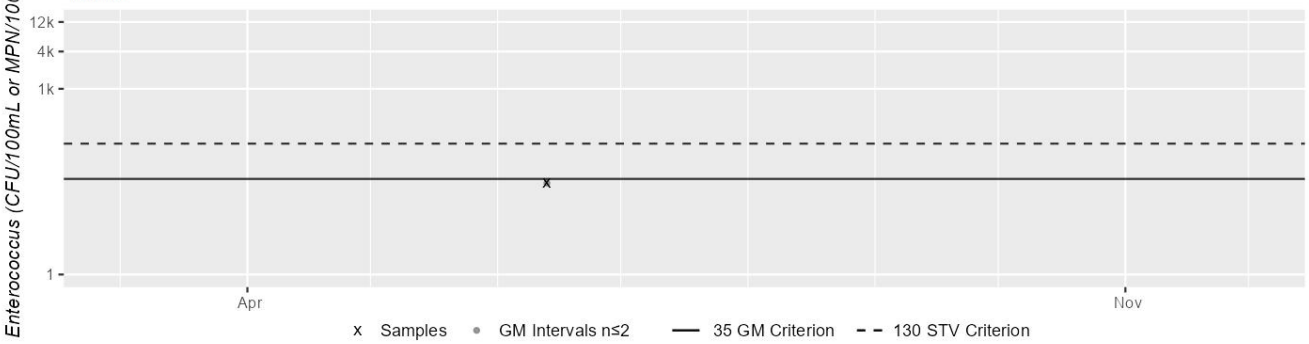
Variable*	Result
Samples	15
SeasGM	92
#GMI	24
#GMI Ex	18
%GMI Ex	75%
n>STV	6
%n>STV	40%

Cumulative %GMI Exceedance
Current (2011-2022)
75%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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 UMassD_9 - Enterococcus

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



Variable*	Result
Samples	1
SeasGM	30
#GMI	0
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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
Insufficient Information	NO

2024/26 Use Attainment Summary
Too limited bacteria data are available to assess the Secondary Contact Recreation Use for Kirby Brook (MA95-82) and available aesthetics observations for this AU did not result in any impairment, so it is assessed as having Insufficient Information. MassDEP staff collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in Kirby Brook at W1374 [Drift Rd, Westport] from May-Sep 2005 (historic n=5) and Jun-Sep 2012 (current n=2). Since the bacteria data collected in 2005 (the historic window) were indicative of generally good water quality conditions, they won't be discussed here. However, *E. coli* data from W1374 in the current window are too limited according to the 2024 CALM to assess the Secondary Contact Recreation Use.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1374	MassDEP	Water Quality	Kirby Brook	[Drift Road, Westport]	41.600502	-71.073371

Bacteria Data

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

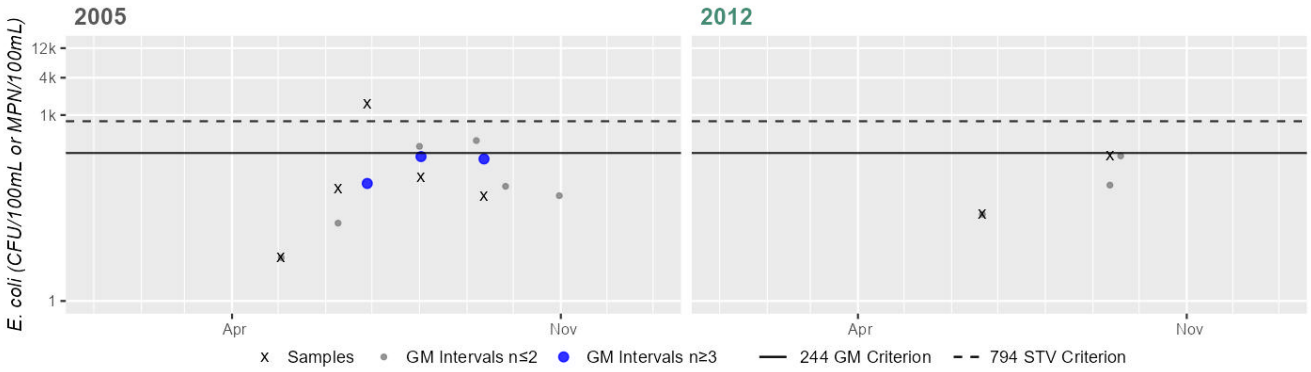
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1374	MassDEP	E. coli	05/03/05	09/12/05	5	5	1500	75
W1374	MassDEP	E. coli	06/20/12	09/11/12	2	25	219	73

Station MASSDEP_W1374 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	75
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	20%

Variable*	Result
Samples	2
SeasGM	73
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance Historic (1997-2010)
0%

Cumulative %GMI Exceedance Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Leonards Pond (MA95080)

Location:	Rochester.
AU Type:	FRESHWATER LAKE
AU Size:	49 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Aquatic Plants (Macrophytes)*)	--	Unchanged
5	5	(Curly-leaf Pondweed*)	--	Unchanged
5	5	(Non-Native Aquatic Plants*)	--	Unchanged
5	5	Chlorophyll-a	--	Unchanged
5	5	Transparency / Clarity	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Aquatic Plants (Macrophytes)*)	Agriculture (N)	--	--	X	X	X
(Aquatic Plants (Macrophytes)*)	Source Unknown (N)	--	--	X	X	X
(Curly-leaf Pondweed*)	Introduction of Non-native Organisms (Accidental or Intentional) (N)	X	--	--	--	--
(Non-Native Aquatic Plants*)	Introduction of Non-native Organisms (Accidental or Intentional) (N)	X	--	--	--	--
Chlorophyll-a	Agriculture (N)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Chlorophyll-a	Source Unknown (N)	X	--	--	--	--
Transparency / Clarity	Agriculture (N)	X	--	--	X	--
Transparency / Clarity	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 Leonards Pond (MA95080) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Leonards Pond (MA95080) continues to be assessed as Not Supporting, with the Aquatic Plants (Macrophytes) impairment being carried forward. Since the Transparency/Clarity impairment was redundantly duplicated across multiple uses for this waterbody, the Transparency/Clarity impairment is being removed from the Aesthetics Use but will continue to be maintained under the Primary Contact Recreation Use. Since the Chlorophyll-a impairment was redundantly duplicated across multiple uses for this waterbody, the Chlorophyll-a impairment is being removed from the Aesthetics Use, but will continue to be maintained under the Aquatic Life Use. No new data are available to evaluate the Aesthetics Use for Leonards Pond.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Leonards Pond (MA95080) are available, so the Primary Contact Recreation Use continues to be assessed as Not Supporting. The prior Transparency / Clarity impairment is being carried forward and the prior Aquatic Plants (Macrophytes) impairment (from the Aesthetics Use) is being carried forward. Since the Chlorophyll-a impairment is being removed from the Aesthetics Use this cycle, this impairment is also being removed from the Primary Contact Recreation Use.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Leonards Pond (MA95080) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use continues to be assessed as Not Supporting. The prior Aquatic Plants (Macrophytes) impairment (from the Aesthetics Use) is being carried forward. Since the Chlorophyll-a and Transparency / Clarity impairments are being removed from the Aesthetics Use this cycle, these impairments are also being removed from the Secondary Contact Recreation Use.

Little Bay (MA95-64)

Location:	From the confluence with the Nasketucket River, Fairhaven south to the confluence with Nasketucket Bay at a line from the southernmost tip of Mirey Neck, Fairhaven (~latitude 41.625702, ~longitide 70.854045) to a point of land near Shore Drive (~latitude 41.621994, ~longitude 70.855415), Fairhaven.
AU Type:	ESTUARY
AU Size:	0.33 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Little Bay (MA95-64) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Little Bay (MA95-64): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.329 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB22.1	Nasketucket River and Approach	Prohibited	0.01693	5.1%
BB22.3	Little Bay	Conditionally Approved	0.31206	94.2%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Little Bay (MA95-64) 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 Little Bay (MA95-64) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Little Bay has 2 beaches with MDPH Beach Closure data: Sandy (Raymond Street) [Beach ID: 2821] and Knollmere [Beach ID: 5210] beaches in Fairhaven. Both these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.329 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Little Bay.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2821	Sandy Beach (Raymond Street)/ Fairhaven	41.62368, -70.85930	41.62368, -70.85810	0%	0%	0%	0%	0%	1%	0%	0%	0%	0
5210	Knollmere/ Fairhaven	41.63453, -70.86020	41.63413, -70.85930	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Little Bay (MA95-64): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.329 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Little Bay (MA95-64) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Little Bay has 2 beaches with MDPH Beach Closure data: Sandy (Raymond Street) [Beach ID: 2821] and Knollmere [Beach ID: 5210] beaches in Fairhaven. Both these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.329 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Little Bay.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Little Bay (MA95-64): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.329 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Little Buttermilk Bay (MA95-76)

Location:	off of Buttermilk Bay, Bourne.
AU Type:	ESTUARY
AU Size:	0.16 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	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 Little Buttermilk Bay (MA95-76) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Little Buttermilk Bay (MA95-76): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1565 sq mi (95%). The approved shellfish growing area represents 0.1241 sq mi (75%) and the prohibited shellfish growing area represents 0.0325 sq mi (20%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB44.0	Buttermilk Bay	Approved	0.12408	75.2%
BB44.12	Southeast shoreline of Little Buttermilk Bay	Prohibited	0.03245	19.7%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Little Buttermilk Bay (MA95-76) is Not Assessed.

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 Little Buttermilk Bay (MA95-76) so it is assessed as having Insufficient Information. The shellfish growing areas (0.1565 sq mi) in this AU are less than 100% approved (0.1241 sq mi, 75%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Little Buttermilk Bay.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Little Buttermilk Bay (MA95-76): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1565 sq mi (95%). The approved shellfish growing area represents 0.1241 sq mi (75%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Little Buttermilk Bay (MA95-76) so it is assessed as having Insufficient Information. The shellfish growing areas (0.1565 sq mi) in this AU are less than 100% approved (0.1241 sq mi, 75%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Little Buttermilk Bay.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Little Buttermilk Bay (MA95-76): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1565 sq mi (95%). The approved shellfish growing area represents 0.1241 sq mi (75%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Little Long Pond (MA95088)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	47 ACRES
Classification/Qualifier:	B

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 Little Long Pond (MA95088) 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 Little Long Pond (MA95088), so it is Not Assessed. The prior Alert identified for excess algal growth due to a 16 day bloom posting reported to MDPH in 2012 is being removed, as no bloom postings have been reported to MDPH for this Little Long Pond AU since that time.

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 Little Long Pond (MA95088) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. The prior Alert identified for excess algal growth due to a 16 day bloom posting reported to MDPH in 2012 is being removed, as no bloom postings have been reported to MDPH for Little Long Pond since that time. The Town of Plymouth (PLY) collected Secchi depth data at deep hole station PLY_LittleLong_DeepHole in 2014-2015 and 2017. Secchi depth data at PLY_LittleLong_DeepHole (station depth ranging 2.3-2.4 m) are generally indicative of water clarity meeting the 1.2m (4ft) threshold in 2015 (n=2, 2.1-2.25m) and 2017 (n=5, 1-2.3m), though in 2017 1 measurement taken on Sep 14th was less than the 1.2 m (4 ft) threshold. In 2014 the Secchi depth data at this station were too limited (n <3) to evaluate water clarity (n=1, 1.55m), although the measurement did meet the 1.2 m (4 ft) threshold.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2014-2015, 2017	In Little Long Pond (MA95088), the Town of Plymouth (PLY) collected Secchi data at PLY_LittleLong_DeepHole [41.869333, -70.613867, Deep spot] from 2014-2015 and in 2017. In 2014 at station PLY_LittleLong_DeepHole (station depth=2.1 m) the Secchi depth (n=1) was measured to be 1.55 m on Aug 19, 2014 indicating water clarity meeting the 1.2 m (4 ft) threshold. In 2015 at station PLY_LittleLong_DeepHole (station depth=2.3 m) the Secchi depth measurements ranged from 2.1-2.25 m (n=2) indicating water clarity meeting the 1.2 m (4 ft) threshold. In 2017 at station PLY_LittleLong_DeepHole (station depth=2.4 m) the Secchi depth measurements ranged from 1-2.3 m (n=5) with 1 measurement taken on Sep 14, 2017 that was less than the 1.2 m (4 ft) threshold.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Little Long Pond (MA95088) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. The prior Alert identified for excess algal growth due to a 16 day bloom posting reported to MDPH in 2012 is being removed, as no bloom postings have been reported to MDPH for Little Long Pond since that time.

Little Long Pond (MA95089)

Location:	Wareham/Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	12 ACRES
Classification/Qualifier:	B

No usable data were available for Little Long Pond (MA95089) 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

Little River (MA95-66)

Location:	Dartmouth.
AU Type:	ESTUARY
AU Size:	0.18 SQUARE MILES
Classification/Qualifier:	SA: SFO

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 Little River (MA95-66) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Little River (MA95-66): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1738 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.1738 sq mi (97%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB7.0	Dartmouth Center Coastal	Conditionally Approved	0.00000	0.0%
BB9.0	Little River	Prohibited	0.17381	97.5%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Little River (MA95-66) is Not Assessed.

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 the Little River (MA95-66) so it is assessed as having Insufficient Information. The shellfish growing areas (0.1738 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Little River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Little River (MA95-66): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1738 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 the Little River (MA95-66) so it is assessed as having Insufficient Information. The shellfish growing areas (0.1738 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Little River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Little River (MA95-66): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1738 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Little Rocky Pond (MA95091)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	10 ACRES
Classification/Qualifier:	B

No usable data were available for Little Rocky Pond (MA95091) 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

Little Sandy Pond (MA95092)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	29 ACRES
Classification/Qualifier:	B

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 Little Sandy Pond (MA95092) 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 Little Sandy Pond (MA95092) is Not Assessed.

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 Little Sandy Pond (MA95092) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. The Town of Plymouth (PLY) collected Secchi depth data at deep hole station PLY_LittleSandy_DeepHole in 2015. Secchi depth data were too limited (n <3) to evaluate water clarity using data from PLY_LittleSandy_DeepHole in 2015 (n=1, 3m), although the measurement did meet the 1.2 m (4 ft) threshold.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2015	In Little Sandy Pond (MA95092), the Town of Plymouth (PLY) collected Secchi data at PLY_LittleSandy_DeepHole [41.796378, -70.603396, Deep spot] in 2015. At station PLY_LittleSandy_DeepHole (station depth=3 m) the Secchi depth (n=1) was measured to be 3 m on Sep 16, 2015 indicating water clarity meeting the 1.2 m (4 ft) threshold.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Little Sandy Pond (MA95092) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Little Sippewisset Marsh (MA95-24)

Location:	From headwaters north of Sippewisset Road and east of Maker Lane, Falmouth to the mouth at Buzzards Bay southwest of end of Saconesset Road, Falmouth.
AU Type:	ESTUARY
AU Size:	0.02 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Little Sippewisset Marsh (MA95-24) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert

Not Supporting	NO

2024/26 Use Attainment Summary
Little Sippewisset Marsh (MA95-24): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0172 sq mi (80%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0172 sq mi (80%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB57.0	Little Sippewisset Marsh	Prohibited	0.01718	79.9%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Little Sippewisset Marsh (MA95-24) is Not Assessed.

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 Little Sippewisset Marsh (MA95-24) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0172 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Little Sippewisset Marsh.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Little Sippewisset Marsh (MA95-24): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0172 sq mi (80%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Little Sippewisset Marsh (MA95-24) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0172 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Little Sippewisset Marsh.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Little Sippewisset Marsh (MA95-24): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0172 sq mi (80%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Little West Pond (MA95093)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	25 ACRES
Classification/Qualifier:	B

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

Recommendations

2024/26 Recommendations
2024/26IR [Harmful Algal Blooms, Low] Follow-up monitoring should be conducted in Little West Pond (MA95093) 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. During the period 2015 through 2022, C-HAB postings for Little West Pond were reported to MDPH based on visual observations for 96 days in 2020 and no blooms were reported in other years. This is of low priority;

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 Little West Pond (MA95093) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Insufficient Information	YES

2024/26 Use Attainment Summary
Too limited data are available to assess the Aesthetics Use for Little West Pond (MA95093), 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 of >15 days in duration) were reported to MDPH in 2020. During the period 2015 through 2022, C-HAB postings for Little West Pond were reported to MDPH based on visual observations for 96 days in 2020 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 in this waterbody and a recommendation for follow-up sampling will be made.

Algal Bloom Information

Cyanobacteria Harmful Algal Bloom (C-HAB) Summary Statements for 2015-2022 MDPH Data (Bailey, Logan April 26, 2023) (MassDEP Undated 2)

C-HAB Summary Statement
During the period 2015 through 2022, C-HAB postings for Little West Pond (MA95093) were reported to MDPH based on visual observations for 96 days in 2020. 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 2)

[* 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
Little West Pond	Plymouth						96		

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 Little West Pond (MA95093) and available other indicators for this AU did not result in any impairment, 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 of >15 days in duration) were reported to MDPH in 2020. During the period 2015 through 2022, C-HAB postings for Little West Pond were reported to MDPH based on visual observations for 96 days in 2020 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, 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 Little West Pond (MA95093) and available other indicators for this AU did not result in any impairment, 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 of >15 days in duration) were reported to MDPH in 2020. During the period 2015 through 2022, C-HAB postings for Little West Pond were reported to MDPH based on visual observations for 96 days in 2020 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, a Harmful Algal Bloom Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made.

Long Duck Pond (MA95095)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	22 ACRES
Classification/Qualifier:	B

No usable data were available for Long Duck Pond (MA95095) 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

Long Pond (MA95096)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	207 ACRES
Classification/Qualifier:	B

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 Long Pond (MA95096) 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 Long Pond (MA95096) is Not Assessed.

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 Long Pond (MA95096) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. The Town of Plymouth (PLY) collected Secchi depth data at deep hole station PLY_Long_DeepHole in 2014-2015 and 2017. Secchi depth data at PLY_Long_DeepHole (station depth ranging 30.2-32.6 m) indicated water clarity meeting the 1.2m (4ft) threshold in 2015 (n=3, 4.65-5.85m) and 2017 (n=5, 3.7-7m). In 2014 Secchi depth data were too limited (n <3) to evaluate water clarity using data from PLY_Long_DeepHole (n=1, 2.5m), although this measurement did also meet the 1.2 m (4 ft) threshold.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2014-2015, 2017	In Long Pond (MA95096), the Town of Plymouth (PLY) collected Secchi data at PLY_Long_DeepHole [41.8595, -70.6046, Deep spot] from 2014-2015 and in 2017. In 2014 at station PLY_Long_DeepHole (station depth=28.2 m) the Secchi depth (n=1) was measured to be 2.5 m on Aug 19, 2014, in 2015 at station PLY_Long_DeepHole (station depth=30.2 m) the Secchi depth measurements ranged from 4.65-5.85 m (n=3) and in 2017 at station PLY_Long_DeepHole (station depth=32.6 m) the Secchi depth measurements ranged from 3.7-7 m (n=5). Secchi depth measurements in all three years indicated water clarity met the 1.2 m (4 ft) threshold.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Long Pond (MA95096) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Long Pond (MA95097)

Location:	Rochester.
AU Type:	FRESHWATER LAKE
AU Size:	32 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Mercury in Fish Tissue	33880	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Mercury in Fish Tissue	Atmospheric Deposition (Y)	--	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 Long Pond (MA95097) continues to be assessed as Not Supporting with the prior Mercury in Fish Tissue impairment being carried forward. MDPH included a site-specific advisory for Long Pond (referred to by MDPH as ''Snipituit Pond and Long Pond'' or ''Long Pond'') in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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 Long Pond (MA95097) 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 Long Pond (MA95097) 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 Long Pond (MA95097) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Mare Pond (MA95172)

Location:	Plymouth (formerly reported as 1996 segment: Mare Pond MA94097).
AU Type:	FRESHWATER LAKE
AU Size:	13 ACRES
Classification/Qualifier:	B

No usable data were available for Mare Pond (MA95172) 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

Marys Pond (MA95100)

Location:	Rochester.
AU Type:	FRESHWATER LAKE
AU Size:	81 ACRES
Classification/Qualifier:	B

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	--	--	--

Recommendations

2024/26 Recommendations
2024/26IR [Harmful Algal Blooms, Low] Follow-up monitoring should be conducted in Marys Pond (MA95100) at stations {W2791} and {W2792} to determine if Harmful Algal Blooms may be impairing the Recreational use. Monitoring should include observational data and collection of cyanobacteria cell count data, as well as reporting of algal blooms to MDPH. In 2018 at W2791 the cyanobacteria cell count exceeded 70,000 cells/ml for a single sample (193,474 cells/ml) on Jun 19, 2018 in 2018 (n=6); however, cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. This is a low priority;

Designated Use Attainment Decisions

Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Fish Consumption Use for Marys Pond (MA95100) continues to be assessed as Not Supporting and the prior Mercury in Fish Tissue impairment is being carried forward. Fish toxics sampling for mercury, organochlorine pesticides, and metals was performed by MassDEP WPP biologists in Marys Pond at station F0461 in 2018 as part of the probabilistic lake surveys (MAP2). MDPH included a site-specific advisory for Marys Pond in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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 7)

Summary Statement
Fish toxics sampling for mercury, organochlorine pesticides, and metals was performed by MassDEP WPP biologists in Marys Pond (MA95100) at station F0461 in 2018 as part of the probabilistic lake surveys (MAP2). MDPH retained the existing site-specific fish consumption advisories for Mercury associated with Marys Pond in their January 2025 Freshwater Fish Consumption Advisory List. The site-specific MDPH advisories are indicative of a Fish Consumption Use impairment for Mercury in Fish Tissue for Marys Pond (MA95100).

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Marys Pond (MA95100) is assessed as Fully Supporting based on observations made by MassDEP staff in 2018. MassDEP staff recorded aesthetics observations as part of the MAP2 lake monitoring project in summer 2018 at two stations in Rochester for this Marys Pond AU; at northwestern tip of pond, off Mary's Pond Road (W2792/MAP2L-297S, n=5) and at the deep hole index station (W2791/MAP2L-297, n=3). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, or littoral zone duckweed recorded in ten shoreline plots at W2792 (n=1). During the MAP2 macrophyte mapping survey in Jul 2018 (n=1), less than 25% (2.1%) of the waterbody was determined to have an aquatic macrophyte biovolume >50%.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2791	MassDEP	Water Quality	Marys Pond	[index site, Rochester]	41.754460	-70.790390
W2792	MassDEP	Water Quality	Marys Pond	[northwestern tip of pond, off Mary's Pond Road, Rochester]	41.756796	-70.794534

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2791	2018	3	Aesthetic observations were made by MassDEP field sampling crews at Station W2791 (MAP2L-297) on Marys Pond (MA95100) during 3 site visits between Jun 2018 and Sep 2018. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. During the MAP2 macrophyte mapping survey (n=1) in Jul 2018, less than 25% (2.1%) of the waterbody was determined to have an aquatic macrophyte biovolume >50%.
W2792	2018	5	Aesthetic observations were made by MassDEP field sampling crews at Station W2792 (MAP2L-297S) on Marys Pond (MA95100) during 5 site visits between May 2018 and Sep 2018. 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.

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2791	Marys Pond	2018	Aesthetics Impaired?	No	3	3
W2791	Marys Pond	2018	Aquatic Plant Density, Overall	None	3	3
W2791	Marys Pond	2018	Color	None	3	3
W2791	Marys Pond	2018	Objectionable Deposits	No	3	3
W2791	Marys Pond	2018	Odor	None	3	3
W2791	Marys Pond	2018	Scum	No	3	3
W2791	Marys Pond	2018	Turbidity	None	3	3
W2792	Marys Pond	2018	Aesthetics Impaired?	No	5	5
W2792	Marys Pond	2018	Color	None	5	5
W2792	Marys Pond	2018	Objectionable Deposits	No	5	5
W2792	Marys Pond	2018	Odor	None	5	5

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2792	Marys Pond	2018	Scum	No	4	5
W2792	Marys Pond	2018	Scum	Yes	1	5
W2792	Marys Pond	2018	Turbidity	None	5	5

Primary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	YES

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Marys Pond (MA95100) is assessed as Fully Supporting based on bacteria data collected at one station in 2018. An Alert is being identified for Harmful Algal Blooms. In Marys Pond in 2018 MassDEP collected Secchi depth and cyanobacteria cell count data at W2791 [MAP2L-297, Index-deep hole] and cyanobacteria cell count and cyanotoxin data at W2792 [MAP2L-297S, Shoreline station at northwestern tip of pond, off Mary's Pond Rd, Rochester]. Secchi depth data at station W2791 (station depth=10.2 m) indicated water clarity meeting the 1.2m (4ft) threshold (n=3, 5.5-6.7m). The cyanobacteria cell count exceeded 70,000 cells/ml for a single sample (193,474 cells/ml) on Jun 19, 2018 in 2018 (n=6), which is indicative of a Harmful Algal Blooms Alert. Analysis of microcystins and cylindrospermopsin samples from W2792 in 2018 (n=6) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. MassDEP staff also collected *E. coli* bacteria samples in Marys Pond at station W2792 from May-Sep 2018 (n=5). Analysis of the single year limited frequency dataset from this station 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, which meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2791	MassDEP	Water Quality	Marys Pond	[index site, Rochester]	41.754460	-70.790390
W2792	MassDEP	Water Quality	Marys Pond	[northwestern tip of pond, off Mary's Pond Road, Rochester]	41.756796	-70.794534

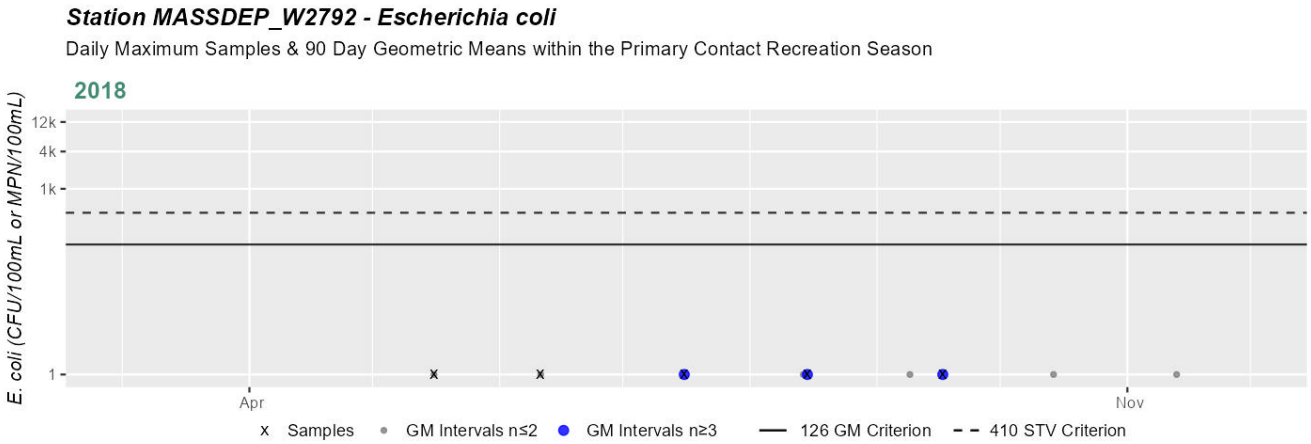
Bacteria Data

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

(MassDEP Undated 9) (MassDEP Undated 5)

[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
W2792	MassDEP	E. coli	05/16/18	09/17/18	5	1	1	1



Variable*	Result
Samples	5
SeasGM	1
#GMI	3
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 9) (MassDEP Undated 5)

Data Year(s)	Summary
2018	In Marys Pond (MA95100) in 2018, MassDEP collected Secchi and cyanobacteria cell count data at W2791 [MAP2L-297, Index-deep hole], and cyanobacteria cell count and cyanotoxin data at W2792 [MAP2L-297S, Shoreline]. At station W2791 (station depth=10.2 m) the Secchi depth measurements ranged from 5.5-6.7 m (n=3) indicating water clarity meeting the 1.2 m (4 ft) threshold. The cyanobacteria cell count exceeded 70,000 cells/mL for a single sample on Jun 19, 2018 (n=6). The elevated cyanobacteria cell count measurement is indicative of a Harmful Algal Blooms Alert. Analysis of microcystins and cylindrospermopsin samples from the shoreline station W2792 (n=6) 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 9) (MassDEP Undated 5)

Station Code	Waterbody	Station Type	Data Year	Sample Count	Count >70,000 cells/mL	Exceedance Date(s)
W2791	Marys Pond	Index	2018	3	1	6/19/2018
W2792	Marys Pond	Shoreline	2018	3	0	NA

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	YES

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Marys Pond (MA95100) is assessed as Fully Supporting based on bacteria data collected at one station in 2018. An Alert is being identified for Harmful Algal Blooms. In Marys Pond in 2018 MassDEP collected cyanobacteria cell count data at W2791 [MAP2L-297, Index-deep hole] and cyanobacteria cell count and cyanotoxin data at W2792 [MAP2L-297S, Shoreline]. The cyanobacteria cell count exceeded 70,000 cells/ml for a single sample (193,474 cells/ml) on Jun 19, 2018 in 2018 (n=6), which is indicative of a Harmful Algal Blooms Alert. Analysis of microcystins and cylindrospermopsin samples from W2792 in 2018 (n=6) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. MassDEP staff also collected *E. coli* bacteria samples in Marys Pond at W2792 [northwestern tip of pond, off Mary's Pond Rd, Rochester] from May-Sep 2018 (n=5). Analysis of the single year limited frequency dataset from this station indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM was 1 CFU/100ml, which meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2792	MassDEP	Water Quality	Marys Pond	[northwestern tip of pond, off Mary's Pond Road, Rochester]	41.756796	-70.794534

Bacteria Data

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

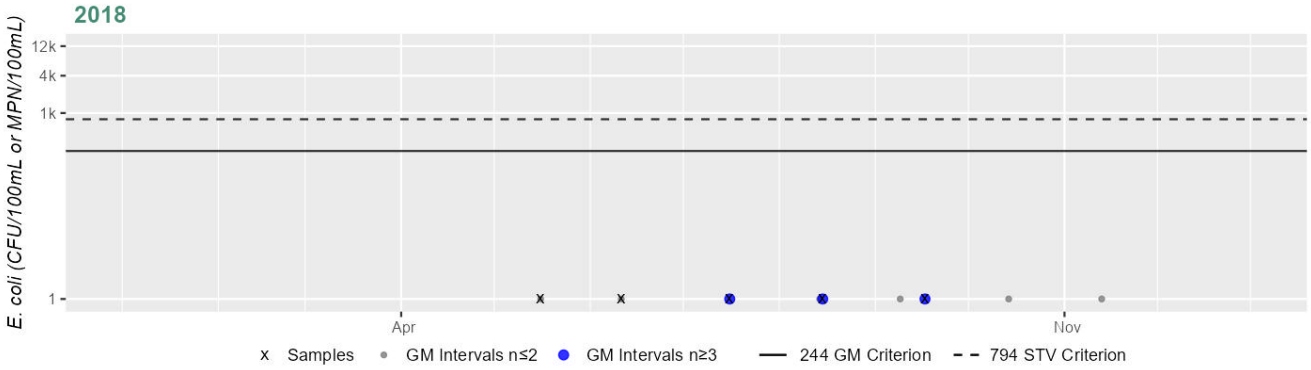
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W2792	MassDEP	E. coli	05/16/18	09/17/18	5	1	1	1

Station MASSDEP_W2792 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	1
#GMI	3
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Mattapoisett Harbor (MA95-115)

Location:	the outer portion from a line drawn from Ned Point to a point of land between Bayview Avenue and Grandview Avenue, Mattapoisett to a line drawn between Strawberry Point and a point of land east of Daisy Way on Mattapoisett Neck, Mattapoisett (excluding Pine Island Pond).
AU Type:	ESTUARY
AU Size:	1.6 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
--	5	Fecal Coliform	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Mattapoisett Harbor (MA95-115) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert

Not Supporting	NO

2024/26 Use Attainment Summary
Mattapoisett Harbor (MA95-115): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.5508 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications, a Fecal Coliform impairment is being added.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB25.0	Mattapoisett Harbor	Conditionally Approved	1.55082	99.3%
BB25.9	Crescent Beach	Prohibited	0.00000	0.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Mattapoisett Harbor (MA95-115) is Not Assessed.

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 Mattapoisett Harbor (MA95-115) so it is assessed as having Insufficient Information. The shellfish growing areas (1.5508 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Mattapoisett Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Mattapoisett Harbor (MA95-115): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.5508 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Mattapoisett Harbor (MA95-115) so it is assessed as having Insufficient Information. The shellfish growing areas (1.5508 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Mattapoisett Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Mattapoisett Harbor (MA95-115): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.5508 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Mattapoisett Harbor (MA95-35)

Location:	From the mouth of the Mattapoisett River, Mattapoissett to a line drawn from Ned Point to a point of land between Bayview Avenue and Grandview Avenue, Mattapoisett.
AU Type:	ESTUARY
AU Size:	1.12 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nutrient/Eutrophication Biological Indicators	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 Mattapoisett Harbor (MA95-35) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Mattapoisett Harbor (MA95-35): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.1069 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB25.0	Mattapoisett Harbor	Conditionally Approved	0.30042	26.9%
BB25.10	Cove East of the Town Landing	Prohibited	0.01142	1.0%
BB25.11	Town Docks	Prohibited	0.09851	8.8%
BB25.12	Shining Tides	Conditionally Approved	0.02998	2.7%
BB25.2	Mattapoisett Inner Harbor	Conditionally Approved	0.66351	59.3%
BB25.7	Mattapoisett Boatyard	Prohibited	0.00299	0.3%
BB26.0	Mattapoisett River	Prohibited	0.00000	0.0%
BB27.0	Eel Pond	Prohibited	0.00004	0.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Mattapoisett Harbor (MA95-35) 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 Mattapoisett Harbor (MA95-35) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Mattapoisett Harbor has 4 beaches with MDPH Beach Closure data: Mattapoisett Town Beach [Beach ID: 2987], Shining Tides Reservation [Beach ID: 2988], Mattapoisett Shores Association [Beach ID: 2978] and Ned's Point [Beach ID: 2979] beaches in Mattapoisett. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (1.1069 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Mattapoisett Harbor. MassDEP staff conducted Bacteria Source Tracking (BST) work on an unnamed tributary to the Mattapoisett Town Beach between 2011 and 2013. The tributary discharges to the beach via a culvert that daylights downstream of Water Street. A maximum *E. coli* concentration of 521 MPN was documented in the tributary downstream of Water Street (i.e., on the beach) in 2012. Sampling efforts extended up and into the drainage infrastructure of Church Street & Captains Lane, with assistance from the Town of Mattapoisett. Human Marker analysis for the tributary indicated "inconclusive" evidence of a human source and no correctable source was ever found.

Bacteria Data

Summary Statement for 2011-2019 MassDEP Bacteria Source Tracking (BST) Data (MassDEP Undated 1)

Summary
Prior to 2011 BST work began in one specific unnamed tributary to the Mattapoisett Harbor AU (MA95-35), as the result of a request by CZM. There were concerns regarding regular beach closures at the "Town Beach" due to elevated bacteria and this tributary directly discharges to the beach via a culvert that daylights downstream of Water Street. Additional BST work was conducted on this tributary between 2011 and 2013, with a max *E. coli* concentration of 521MPN observed downstream of Water Street (on the beach) in 2012. Samples were taken up as far as Church Street and extended into the drainage infrastructure of Church Street and Captains Lane with assistance from the Town of Mattapoisett. Human Marker analysis run for the tributary indicated "inconclusive" evidence of a human source and no correctable source was ever found.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2978	Mattapoisett Shores Association/ Mattapoisett	41.63917, -70.80310	41.63686, -70.80240	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
2979	Ned's Point/ Mattapoisett	41.65118, -70.79630	41.65129, -70.79430	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
2987	Mattapoisett Town Beach/ Mattapoisett	41.65780, -70.80970	41.65826, -70.80800	0%	4%	0%	0%	0%	0%	0%	0%	0%	0
2988	Shining Tides Reservation/ Mattapoisett	41.64931, -70.82520	41.65454, -70.82210	0%	10%	0%	0%	0%	0%	1%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Mattapoisett Harbor (MA95-35): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.1069 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Mattapoisett Harbor (MA95-35) continues to be assessed as Fully Supporting. Mattapoisett Harbor has 4 beaches with MDPH Beach Closure data: Mattapoisett Town Beach [Beach ID: 2987], Shining Tides Reservation [Beach ID: 2988], Mattapoisett Shores Association [Beach ID: 2978] and Ned's Point [Beach ID: 2979] beaches in Mattapoisett. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (1.1069 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Mattapoisett Harbor. MassDEP staff conducted Bacteria Source Tracking (BST) work on an unnamed tributary to the Mattapoisett Town Beach between 2011 and 2013. The tributary discharges to the beach via a culvert that daylights downstream of Water Street. A maximum *E. coli* concentration of 521 MPN was documented in the tributary downstream of Water Street (i.e., on the beach) in 2012. Sampling efforts extended up and into the drainage infrastructure of Church Street & Captains Lane, with assistance from the Town of Mattapoisett. Human Marker analysis for the tributary indicated "inconclusive" evidence of a human source and no correctable source was ever found.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

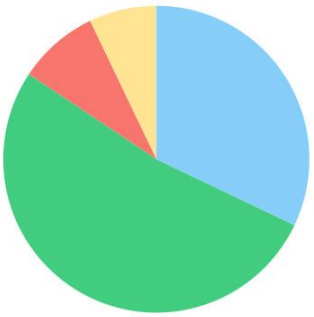
Summary
Mattapoisett Harbor (MA95-35): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.1069 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Mattapoisett River (MA95-36)

Location:	Headwaters, outlet Snipatuit Pond, Rochester to Mattapoisett River Dam (#MA02447) at Fairhaven Road (Route 6), Mattapoisett.
AU Type:	RIVER
AU Size:	10.4 MILES
Classification/Qualifier:	B

Mattapoisett River (MA95-36)

Watershed Area: 24.18 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	24.18	7.55	7.22	1.79
Agriculture	7.1%	4.6%	8.7%	8.6%
Developed	8.5%	9%	5.4%	6.7%
Natural	52.3%	50.6%	50%	38%
Wetland	32.1%	35.8%	35.9%	46.7%
Impervious	3.3%	4%	2%	2.9%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Benthic Macroinvertebrates	--	Unchanged
5	5	Enterococcus	R1_MA_2024_04	Changed
5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04	Changed
5	5	Transparency / Clarity	--	Added

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

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

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Enterococcus	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)
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)

Recommendations

2024/26 Recommendations
2022IR [Bacteria, Medium] High frequency *E. coli* bacteria sampling in this Mattapoisett River AU (MA95-36) is needed at three of the four WPP sampling sites {W2397}, {W1383}, {W2388}, and/or {W1384} to evaluate status of Primary Contact Recreational Use and reevaluate a potential *E. coli* delisting (deferred in 2022 IR reporting cycle). *Enterococci* sampling at these sites as well as in the river at 201 Snipatuit Rd in Rochester {UMassD_2} is also being recommended since *Enterococcus* is also listed as an impairment. This is of medium priority;

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 Mattapoisett River (MA95-36) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for this Mattapoisett River AU (MA95-36) is assessed as Fully Supporting based on the general lack of any objectionable conditions documented during surveys conducted by MassDEP staff during the summer of 2013. MassDEP staff recorded aesthetics observations for this Mattapoisett River AU at two stations during the summer of 2013 as part of the MAP2 wadable streams monitoring project; a third of the way down the AU ~3350 feet upstream/north of New Bedford Road in Rochester (W2397, n=7) and at the downstream end of the AU ~5250 feet upstream/north of Acushnet Road in Mattapoisett (~350 feet upstream of confluence of unnamed tributary, outlet of Tinkham Pond) (W2388, n=7). There were generally no noted objectionable conditions (odors, deposits, growths, or turbidity) recorded.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2388	MassDEP	Water Quality	Mattapoisett River	[approximately 5250 feet upstream/north of Acushnet Road, Mattapoisett (approximately 350 feet upstream of confluence of unnamed tributary, outlet of Tinkham Pond)]	41.679671	-70.840825
W2397	MassDEP	Water Quality	Mattapoisett River	[approximately 3350 feet upstream/north of New Bedford Road, Rochester]	41.727408	-70.856356

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2388	2013	7	Aesthetic observations were made by MassDEP field sampling crews at Station W2388 on Mattapoisett River (MA95-36) during 7 site visits between May 2013 and Sep 2013. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.
W2397	2013	7	Aesthetic observations were made by MassDEP field sampling crews at Station W2397 on Mattapoisett River (MA95-36) during 7 site visits between May 2013 and Sep 2013. 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 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2388	2013	7	3	0
W2397	2013	7	6	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2388	Mattapoisett River	2013	Aesthetics Impaired?	No	6	7
W2388	Mattapoisett River	2013	Aesthetics Impaired?	NR	1	7
W2388	Mattapoisett River	2013	Aquatic Plant Density, Overall	None	2	7
W2388	Mattapoisett River	2013	Aquatic Plant Density, Overall	Sparse	1	7
W2388	Mattapoisett River	2013	Aquatic Plant Density, Overall	Unobservable	4	7
W2388	Mattapoisett River	2013	Color	Dark Tan	1	7
W2388	Mattapoisett River	2013	Color	Reddish	5	7
W2388	Mattapoisett River	2013	Color	Rusty	1	7
W2388	Mattapoisett River	2013	Objectionable Deposits	No	7	7
W2388	Mattapoisett River	2013	Odor	Musty (Basement)	1	7
W2388	Mattapoisett River	2013	Odor	None	6	7
W2388	Mattapoisett River	2013	Periphyton Density, Filamentous	None	3	7
W2388	Mattapoisett River	2013	Periphyton Density, Filamentous	Unobservable	4	7
W2388	Mattapoisett River	2013	Periphyton Density, Film	None	3	7
W2388	Mattapoisett River	2013	Periphyton Density, Film	Unobservable	4	7
W2388	Mattapoisett River	2013	Scum	No	7	7

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2388	Mattapoisett River	2013	Turbidity	None	7	7
W2397	Mattapoisett River	2013	Aesthetics Impaired?	No	4	7
W2397	Mattapoisett River	2013	Aesthetics Impaired?	NR	3	7
W2397	Mattapoisett River	2013	Aquatic Plant Density, Overall	Moderate	1	7
W2397	Mattapoisett River	2013	Aquatic Plant Density, Overall	NR	1	7
W2397	Mattapoisett River	2013	Aquatic Plant Density, Overall	Sparse	4	7
W2397	Mattapoisett River	2013	Aquatic Plant Density, Overall	Unobservable	1	7
W2397	Mattapoisett River	2013	Color	Dark Tan	1	7
W2397	Mattapoisett River	2013	Color	Light Yellow/Tan	1	7
W2397	Mattapoisett River	2013	Color	Reddish	5	7
W2397	Mattapoisett River	2013	Objectionable Deposits	No	7	7
W2397	Mattapoisett River	2013	Odor	None	6	7
W2397	Mattapoisett River	2013	Odor	NR	1	7
W2397	Mattapoisett River	2013	Periphyton Density, Filamentous	None	6	7
W2397	Mattapoisett River	2013	Periphyton Density, Filamentous	Unobservable	1	7
W2397	Mattapoisett River	2013	Periphyton Density, Film	None	6	7
W2397	Mattapoisett River	2013	Periphyton Density, Film	Unobservable	1	7
W2397	Mattapoisett River	2013	Scum	No	7	7
W2397	Mattapoisett River	2013	Turbidity	None	7	7

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for the Mattapoisett River (MA95-36) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on bacteria data not meeting the threshold at 1 station in 2019 and the *Escherichia coli (E. coli)* impairment is also being carried forward. A Transparency / Clarity impairment is also being added due to Secchi depth data not meeting the threshold at 1 station in 2015 & 2017-2019. The Buzzards Bay Coalition (BBC) collected Secchi depth data at the downstream end of the AU at station BBC_MR1 [Mattapoisett] in 2015-2019. More than one Secchi depth measurement was less than the 1.2 m (4 ft) threshold at BBC_MR1 in 2015 (n=2/2, 0.7m), 2017 (n=4/4, 0.5-0.75m), 2018 (n=2/2, 0.4-0.59m), and 2019 (n=5/5, 0.42-0.6m). While Secchi depth data were too limited (n <3) to evaluate water clarity using data from BBC_MR1 in 2016 (n=1, 0.7m), this measurement was also below the threshold. All these Secchi depth measurements are indicative of a Transparency / Clarity impairment. MassDEP and UMass - Dartmouth (UMassD) staff/volunteers collected *E. coli* (EC) and *Enterococcus* (Ent) bacteria samples in the Mattapoisett River in 2013 and 2019 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: close to the upstream end of the AU at UMassD_2 [201 Snipatuit Rd, Rochester] in 2019 (Ent n=16), a quarter of the way down at W2397 [~3350 ft upstream/N of New Bedford Rd, Rochester] in 2013 (EC n=5) and three quarters of the way down at W2388 [~5250 ft upstream/N of Acushnet Rd, Mattapoisett (~350 ft upstream of confluence of unnamed tributary, outlet of Tinkham Pond)] in 2013 (EC n=5). Analysis of the single year high frequency *Enterococcus* dataset from UMassD_2 indicated 80% of intervals had GMs >35 CFU/100ml and 18% of samples exceeded the 130 CFU/100ml STV, which is indicative of an *Enterococcus* impairment. The *E. coli* data from W2397 are inconclusive according to the 2024 CALM to assess the Primary Contact Recreation Use because this single year, limited frequency dataset included both GMs below the threshold (78 CFU/100ml) and an STV exceedance of the threshold (798 CFU). Analysis of the single year limited frequency *E. coli* dataset from W2388 indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV and the seasonal GM was 91 CFU/100ml, which meets 2024 CALM guidance. While the *E. coli* impairment is being retained at the request of EPA, it is noted here that the *E. coli* data collected by MassDEP staff during the summer of 2013 at two sites along this Mattapoisett River AU did not exceed use attainment impairment thresholds. Additional bacteria sampling is being recommended.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2388	MassDEP	Water Quality	Mattapoisett River	[approximately 5250 feet upstream/north of Acushnet Road, Mattapoisett (approximately 350 feet upstream of confluence of unnamed tributary, outlet of Tinkham Pond)]	41.679671	-70.840825
W2397	MassDEP	Water Quality	Mattapoisett River	[approximately 3350 feet upstream/north of New Bedford Road, Rochester]	41.727408	-70.856356
UMassD_2	UMass - Dartmouth	Water Quality	Mattapoisett River	201 Snipatuit Rd, Rochester	41.751910	-70.859939

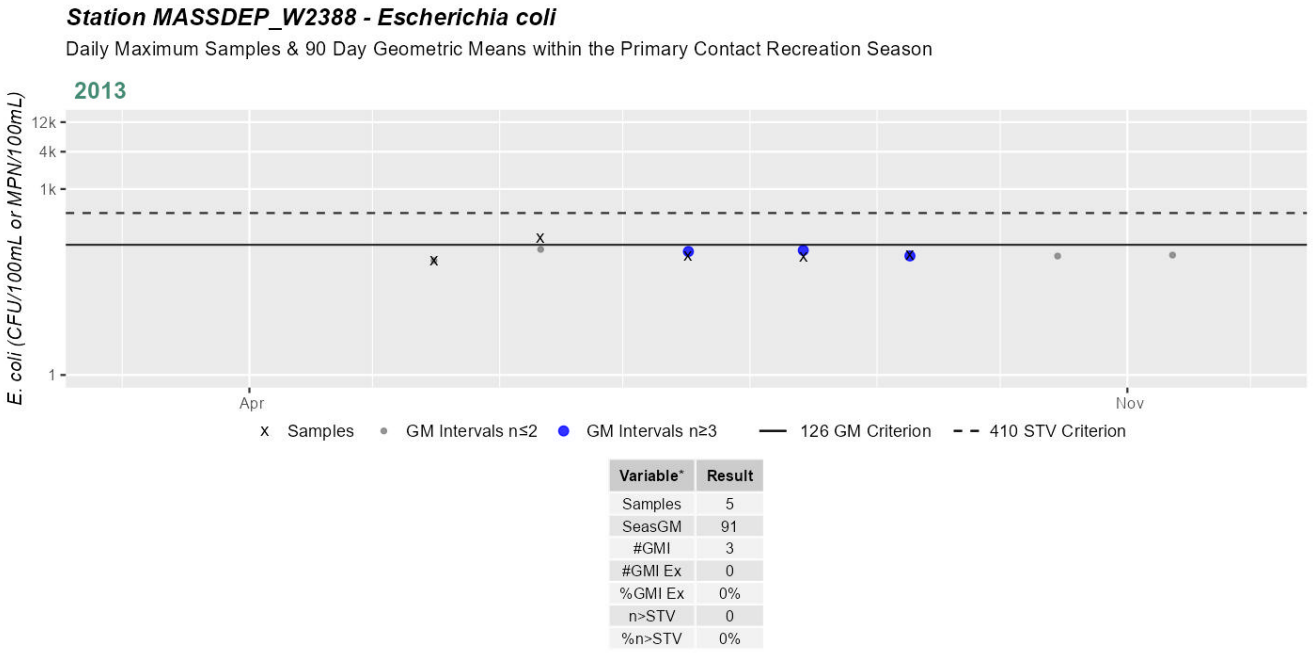
Bacteria Data

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

(MassDEP Undated 9) (MassDEP Undated 5) (UMass-Dartmouth 2019) (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
W2388	MassDEP	E. coli	05/16/13	09/09/13	5	70	161	91
W2397	MassDEP	E. coli	05/16/13	09/09/13	5	22	798	78
UMassD_2	Umass - Dartmouth	Enterococci	06/13/19	09/23/19	16	1	414	41



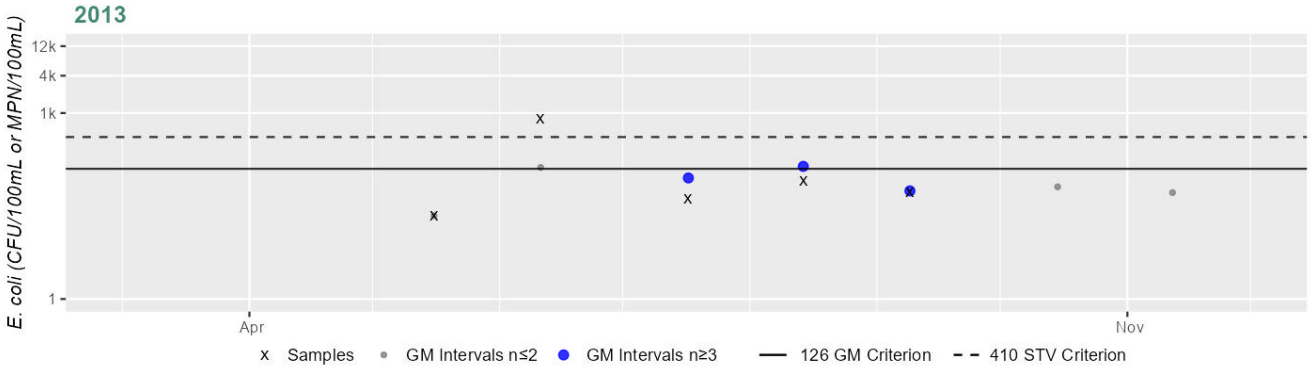
Variable*	Result
Samples	5
SeasGM	91
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2397 - Escherichia coli

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



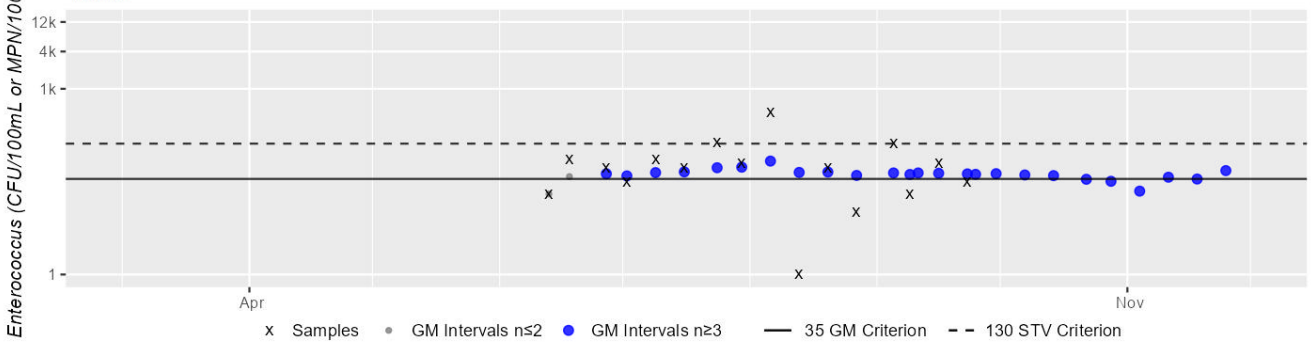
Variable*	Result
Samples	5
SeasGM	78
#GMI	3
#GMI Ex	1
%GMI Ex	33%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Current (2011-2022)
33%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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 UMassD_2 - Enterococcus

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



Variable*	Result
Samples	16
SeasGM	41
#GMI	26
#GMI Ex	21
%GMI Ex	80%
n>STV	3
%n>STV	18%

Cumulative %GMI Exceedance
Current (2011-2022)
80%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2015-2019	In Mattapoisett River (MA95-36), Buzzards Bay Coalition (BBC) collected Secchi data at BBC_MR1 [41.657125, -70.834282, Mattapoisett River, Mattapoisett] from 2015-2019. In 2015 at station BBC_MR1 (station depth=1 m) the Secchi depth measurements ranged from 0.7-0.7 m (n=2), with 2 measurements in Jul that were less than the 1.2 m (4 ft) threshold. In 2016 at station BBC_MR1 (station depth=0.8 m) the Secchi depth (n=1) was measured to be 0.7 m on Jun 06, 2016 which is less than the 1.2 m (4 ft) threshold. In 2017 at station BBC_MR1 (station depth=0.9 m) the Secchi depth measurements ranged from 0.5-0.75 m (n=4), with 4 measurements in Jun and Aug that were less than the 1.2 m (4 ft) threshold. In 2018 at station BBC_MR1 (station depth=0.92 m) the Secchi depth measurements ranged from 0.4-0.59 m (n=2) with 2 measurements in Jun and Aug that were less than the 1.2 m (4 ft) threshold. In 2019 at station BBC_MR1 (station depth=4 m) the Secchi depth measurements ranged from 0.42-0.6 m (n=5) with 5 measurements in Jun, Aug, and Sep that were less than the 1.2 m (4 ft) threshold. The Secchi depth measurements are indicative of a Transparency / Clarity impairment due to conditions at BBC_MR1.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for the Mattapoisett River (MA95-36) continues to be assessed as Fully Supporting based on bacteria data at 1 station in 2013. MassDEP staff collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in the Mattapoisett River in 2005 & 2013 at 4 stations. Samples were collected from the following stations/sample years from upstream to downstream: a quarter of the way down the AU at W2397 [~3,350 ft upstream/N of New Bedford Rd, Rochester] from May-Sep 2013 (n=5), halfway down at W1383 [Wolf Island Rd, Rochester] from May-Sep 2005 (n=6), three-quarters of the way down at W2388 [~5,250 ft upstream/N of Acushnet Rd, Mattapoisett (~350 ft upstream of confluence of unnamed tributary, outlet of Tinkham Pond)] from May-Sep 2013 (n=5) and the downstream end at W1384 [River Rd, Mattapoisett] from May-Sep 2005 (n=6). Since the data from the historic window was indicative of good water quality conditions, only the data from the current window will be discussed here. Analysis of the single year limited frequency *E. coli* datasets from W2397 & W2388 indicated 0% of intervals had GMs >244 CFU/100ml and the overall GM's were 78 & 91 CFU/100ml respectively. While no samples exceeded the 794 CFU/100ml STV at W2388, 1 sample exceeded the STV at W2397 (798 CFU). *E. coli* data from W2397 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. However, *E. coli* data from W2388 meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1383	MassDEP	Water Quality	Mattapoisett River	[Wolf Island Road, Rochester]	41.705733	-70.843128
W1384	MassDEP	Water Quality	Mattapoisett River	[River Road, Mattapoisett]	41.659785	-70.836392
W2388	MassDEP	Water Quality	Mattapoisett River	[approximately 5250 feet upstream/north of Acushnet Road, Mattapoisett (approximately 350 feet upstream of confluence of unnamed tributary, outlet of Tinkham Pond)]	41.679671	-70.840825
W2397	MassDEP	Water Quality	Mattapoisett River	[approximately 3350 feet upstream/north of New Bedford Road, Rochester]	41.727408	-70.856356

Bacteria Data

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

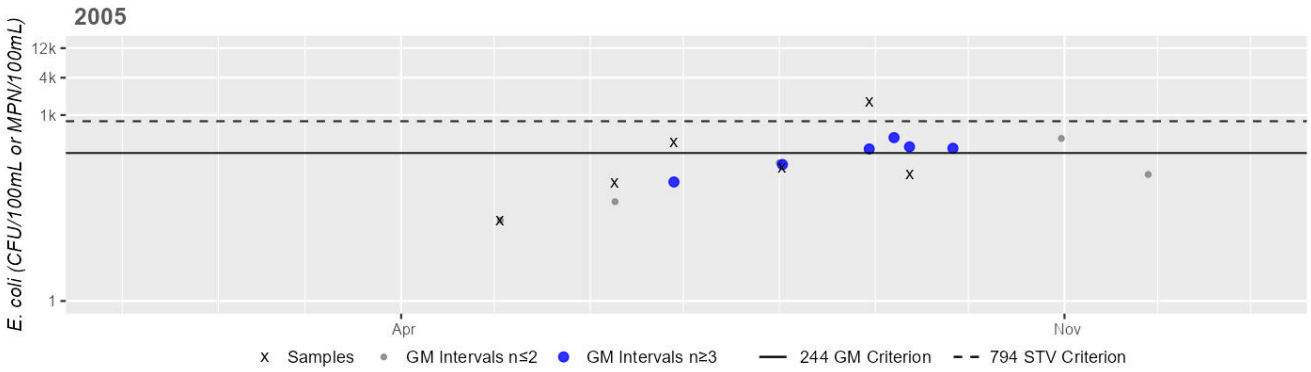
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1383	MassDEP	E. coli	05/03/05	09/12/05	6	20	1600	155
W1384	MassDEP	E. coli	05/03/05	09/12/05	6	15	1600	66
W2388	MassDEP	E. coli	05/16/13	09/09/13	5	70	161	91
W2397	MassDEP	E. coli	05/16/13	09/09/13	5	22	798	78

Station MASSDEP_W1383 - Escherichia coli

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



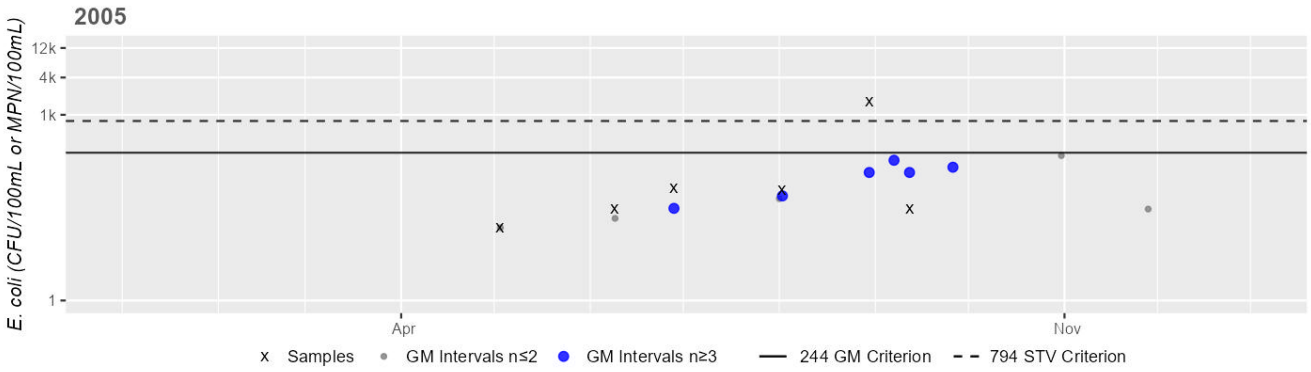
Variable*	Result
Samples	6
SeasGM	155
#GMI	6
#GMI Ex	4
%GMI Ex	66%
n>STV	1
%n>STV	16%

Cumulative %GMI Exceedance
Historic (1997-2010)
66%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1384 - Escherichia coli

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



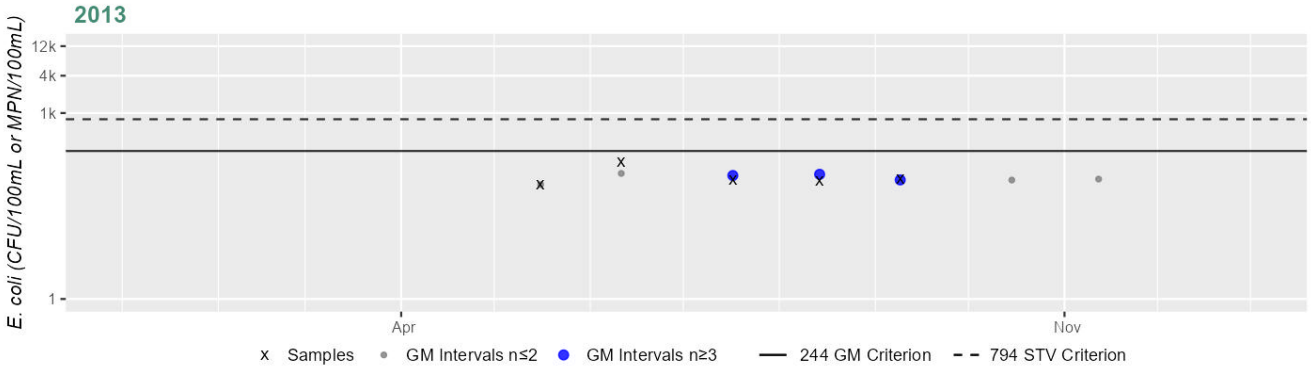
Variable*	Result
Samples	6
SeasGM	66
#GMI	6
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	16%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2388 - Escherichia coli

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



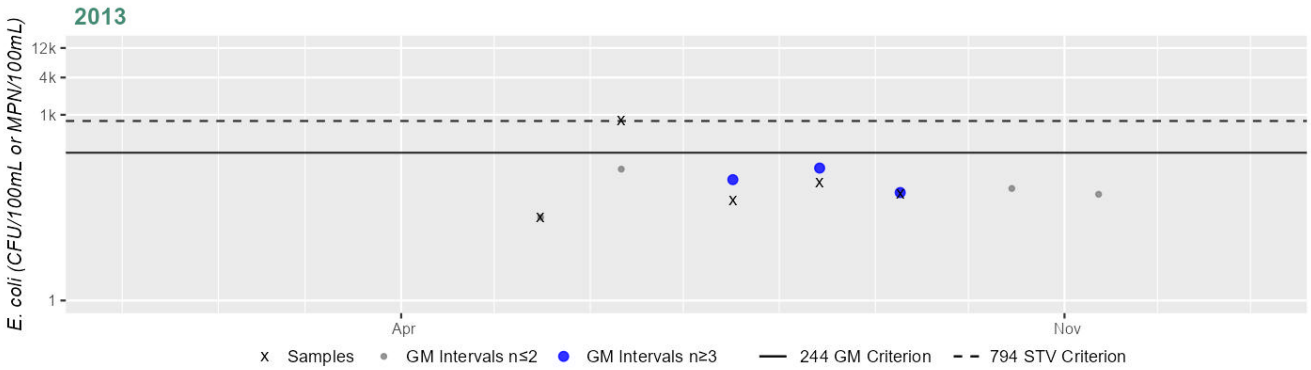
Variable*	Result
Samples	5
SeasGM	91
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2397 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	78
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Mattapoisett River (MA95-60)

Location:	From the Mattapoisett River Dam (#MA02447) at Fairhaven Road (Route 6), Mattapoisett to the mouth at Mattapoisett Harbor, Mattapoisett.
AU Type:	ESTUARY
AU Size:	0.04 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	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 Mattapoisett River (MA95-60) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Mattapoisett River (MA95-60): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0416 sq mi (95%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0416 sq mi (95%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use will continue to be evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB26.0	Mattapoisett River	Prohibited	0.04162	94.8%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Mattapoisett River (MA95-60) is Not Assessed.

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 the Mattapoisett River (MA95-60) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0416 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Mattapoisett River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Mattapoisett River (MA95-60): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0416 sq mi (95%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 the Mattapoisett River (MA95-60) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0416 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Mattapoisett River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Mattapoisett River (MA95-60): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0416 sq mi (95%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Megansett Harbor (MA95-19)

Location:	From the outlet of Squeteague Harbor, Falmouth to Buzzards Bay at a line from the western tip of Scraggy Neck, Bourne south to the tip of Nyes Neck, Falmouth.
AU Type:	ESTUARY
AU Size:	1.44 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	4a	Estuarine Bioassessments	R1_MA_2020_07	Unchanged
5	4a	Fecal Coliform	R1_MA_2024_04	Changed
5	4a	Nutrient/Eutrophication Biological Indicators	R1_MA_2020_07	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nutrient/Eutrophication Biological Indicators	Source Unknown (N)	X	--	--	--	--	--

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
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 Megansett Harbor (MA95-19) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Megansett Harbor (MA95-19): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.4265 sq mi (99%). The approved shellfish growing area represents 1.3482 sq mi (94%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB28.0	North Buzzards Bay	Approved	0.00006	0.0%
BB50.0	Megansett Harbor	Approved	1.34808	93.6%
BB50.1	Fiddlers Cove	Conditionally Approved	0.00000	0.0%
BB50.2	Rands Canal	Conditionally Approved	0.00001	0.0%
BB50.3	Squeteague Harbor	Conditionally Approved	0.02503	1.7%

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB50.4	Megansett Beach Mooring Area	Conditionally Approved	0.05322	3.7%
BB51.0	North Falmouth Outer Harbor	Approved	0.00008	0.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Megansett Harbor (MA95-19) 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 Megansett Harbor (MA95-19) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Megansett Harbor has 4 beaches with MDPH Beach Closure data: Scraggy Beach: South Causeway [Beach ID: 5708] and Scraggy Neck Recreation Association [Beach ID: 2655] beaches in Bourne and Megansett [Beach ID: 2860] and Megansett Yacht Club [Beach ID: 5527] beaches in Falmouth. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (1.4265 sq mi) in this AU are less than 100% approved (1.3482 sq mi, 94%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Megansett Harbor.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2860	Megansett/ Falmouth	41.65498, -70.62470	41.65628, -70.62480	0%	0%	0%	0%	0%	0%	0%	1%	1%	0
5527	Megansett Yacht Club/ Falmouth	41.65608, -70.62330	41.65611, -70.62260	0%	0%	0%	0%	0%	0%	0%	0%	1%	0
5708	Scraggy Beach: South Causeway/ Bourne	41.66403, -70.63450	41.66298, -70.63100	0%	0%	0%	0%	0%	0%	1%	0%	0%	0
2655	Scraggy Neck Recreation Association/ Bourne	41.66148, -70.64780	41.66073, -70.64680	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Megansett Harbor (MA95-19): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.4265 sq mi (99%). The approved shellfish growing area represents 1.3482 sq mi (94%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Megansett Harbor (MA95-19) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Megansett Harbor has 4 beaches with MDPH Beach Closure data: Scraggy Beach: South Causeway [Beach ID: 5708] and Scraggy Neck Recreation Association [Beach ID: 2655] beaches in Bourne and Megansett [Beach ID: 2860] and Megansett Yacht Club [Beach ID: 5527] beaches in Falmouth. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (1.4265 sq mi) in this AU are less than 100% approved (1.3482 sq mi, 94%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Megansett Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Megansett Harbor (MA95-19): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.4265 sq mi (99%). The approved shellfish growing area represents 1.3482 sq mi (94%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Micajah Pond (MA95102)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	20 ACRES
Classification/Qualifier:	B

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

Recommendations

2024/26 Recommendations
2024/26IR [Harmful Algal Blooms, Low] Follow-up monitoring should be conducted in Micajah Pond (MA95102) 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. During the period 2015 through 2022, C-HAB postings for Micajah Pond were reported to MDPH based on visual observations for 102 days in 2021 and no blooms were reported in other years. This is of low priority.

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 Micajah Pond (MA95102) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Insufficient Information	YES

2024/26 Use Attainment Summary
Too limited data are available to assess the Aesthetics Use for Micajah Pond (MA95102), 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 of >15 days in duration) were reported to MDPH for 2021. During the period 2015 through 2022, C-HAB postings for Micajah Pond were reported to MDPH based on visual observations for 102 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 in this waterbody and a recommendation for follow-up sampling will be made.

Algal Bloom Information

Cyanobacteria Harmful Algal Bloom (C-HAB) Summary Statements for 2015-2022 MDPH Data (Bailey, Logan April 26, 2023) (MassDEP Undated 2)

C-HAB Summary Statement
During the period 2015 through 2022, C-HAB postings for Micajah Pond (MA95102) were reported to MDPH based on visual observations for 102 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 2)

[* 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
Micajah Pond	Plymouth							102	

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 Micajah Pond (MA95102) 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 Blooms. During the period 2015 through 2022, C-HAB postings for Micajah Pond were reported to MDPH based on visual observations for 102 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, a Harmful Algal Bloom Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made. In Micajah Pond the Town of Plymouth (PLY) collected Secchi depth data at PLY_Micajah_DeepHole [Deep spot] in 2014-2015. Secchi depth data were too limited (n <3) to evaluate water clarity using data from PLY_Micajah_DeepHole in 2015 (n=1, 4m) and 2014 (n=1, 3m).

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2014-2015	In Micajah Pond (MA95102), the Town of Plymouth (PLY) collected Secchi data at PLY_Micajah_DeepHole [41.920123, -70.697183, Deep spot] from 2014-2015. In 2014 at station PLY_Micajah_DeepHole (station depth=8 m) the Secchi depth (n=1) was measured to be 3 m on Aug 28, 2014 and in 2015 at station PLY_Micajah_DeepHole (station depth=8.1 m) the Secchi depth (n=1) was measured to be 4 m on Aug 24, 2015 indicating water clarity meeting the 1.2 m (4 ft) threshold in both years.

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 Micajah Pond (MA95102) 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 Blooms. During the period 2015 through 2022, C-HAB postings for Micajah Pond were reported to MDPH based on visual observations for 102 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, a Harmful Algal Bloom Alert is being identified for this waterbody and a recommendation for follow-up sampling will be made.

Mill Pond (MA95105)

Location:	Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	149 ACRES
Classification/Qualifier:	B: WWF, HQW

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Fish Passage Barrier*)	--	Unchanged
5	5	(Non-Native Aquatic Plants*)	--	Unchanged
5	5	Harmful Algal Blooms	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Impacts from Hydrostructure Flow Regulation/Modification (Y)	X	--	--	--	--
(Non-Native Aquatic Plants*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Harmful Algal Blooms	Source Unknown (N)	--	--	X	X	X

Recommendations

2024/26 Recommendations
2024/26IR [Harmful Algal Blooms, Low] Follow-up monitoring should be conducted in Mill Pond (MA95105) to confirm the existing Harmful Algal Blooms impairment to the Recreational and Aesthetic uses. Monitoring should focus on the collection of cyanobacteria cell count data. During the period 2015 through 2022, C-HAB postings for Mill Pond were reported to MDPH based on visual observations for 23 days in 2018 and no blooms were reported in other years. This is of low priority;

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 Mill Pond (MA95105) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Mill Pond (MA95105) continues to be assessed as Not Supporting, with the prior Harmful Algal Blooms impairment being carried forward. During the period 2015 through 2022, C-HAB postings for Mill Pond were reported to MDPH based on visual observations for 23 days in 2018 and no blooms were reported in other years. Since blooms were reported in a recent year this is reflective of the existing Harmful Algal Bloom impairment for Mill Pond. Considering the existing Harmful Algal Blooms impairment was based on visual observations, a recommendation is being made to confirm the impairment with cyanobacteria cell count data.

Algal Bloom Information

Cyanobacteria Harmful Algal Bloom (C-HAB) Summary Statements for 2015-2022 MDPH Data (Bailey, Logan April 26, 2023) (MassDEP Undated 2)

C-HAB Summary Statement
During the period 2015 through 2022, C-HAB postings for Mill Pond (MA95105) were reported to MDPH based on visual observations for 23 days in 2018. No blooms were reported in other years. Since blooms were reported in a recent year, a prior Harmful Algal Bloom impairment is being carried forward and the Aesthetics Use and Primary/Secondary Contact Recreational Uses continue to be assessed as Not Supporting. Since the existing Harmful Algal Blooms impairment was based on visual observations, a recommendation is being made to confirm the impairment with cyanobacteria cell count data.

Cyanobacteria Harmful Algal Bloom (C-HAB) Data (2015-2022) Provided by MDPH (Bailey, Logan April 26, 2023) (MassDEP Undated 2)

[* 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
Mill Pond	Wareham				23				

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for Mill Pond (MA95105) continues to be assessed as Not Supporting. The prior Harmful Algal Blooms impairment is being carried forward based on the occurrence of C-HAB postings extending >20 days in a yr. During the period 2015 through 2022, C-HAB postings for Mill Pond were reported to MDPH based on visual observations for 23 days in 2018 and no blooms were reported in other years. Since blooms were reported in a recent year, a prior Harmful Algal Bloom impairment is being carried forward and the C-HAB data continues to be indicative of a Harmful Algal Bloom impairment. Since the existing Harmful Algal Blooms impairment was based on visual observations, a recommendation is being made to confirm the impairment with cyanobacteria cell count data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Mill Pond (MA95105) continues to be assessed as Not Supporting. The prior Harmful Algal Blooms impairment is being carried forward based on the occurrence of C-HAB postings extending >20 days in a yr. During the period 2015 through 2022, C-HAB postings for Mill Pond were reported to MDPH based on visual observations for 23 days in 2018 and no blooms were reported in other years. Since blooms were reported in a recent year, a prior Harmful Algal Bloom impairment is being carried forward and the C-HAB data continues to be indicative of a Harmful Algal Bloom impairment. Since the existing Harmful Algal Blooms impairment was based on visual observations, a recommendation is being made to confirm the impairment with cyanobacteria cell count data.

Muddy Cove (MA95-108)

Location:	Wareham.
AU Type:	ESTUARY
AU Size:	0.08 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
--	5	Fecal Coliform	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Muddy Cove (MA95-108) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

Muddy Cove (MA95-108): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0722 sq mi (95%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications, a Fecal Coliform impairment is being added.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB42.1	Muddy Cove	Prohibited	0.00221	2.9%
BB42.3	Muddy Cove	Conditionally Approved	0.06995	92.1%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Muddy Cove (MA95-108) is Not Assessed.

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 Muddy Cove (MA95-108) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0722 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Muddy Cove.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Muddy Cove (MA95-108): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0722 sq mi (95%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Muddy Cove (MA95-108) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0722 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Muddy Cove.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Muddy Cove (MA95-108): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0722 sq mi (95%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Nasketucket Bay (MA95-65)

Location:	From the confluence with Little Bay, Fairhaven to Buzzards Bay along Causeway Road, Fairhaven (on the south) and along a line from the southern tip of Brant Island, Mattapoisett to the eastern tip of West Island, Fairhaven (includes Shaws Cove and Round Cove).
AU Type:	ESTUARY
AU Size:	3.69 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	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 Nasketucket Bay (MA95-65) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Nasketucket Bay (MA95-65): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 3.6708 sq mi (100%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB17.0	West Island South	Prohibited	0.00003	0.0%
BB18.0	West Island North	Conditionally Approved	0.42554	11.5%
BB18.1	Earls Marina	Prohibited	0.02651	0.7%
BB18.4	West Island North Mooring Area	Conditionally Approved	0.08895	2.4%
BB18.5	Bella Vista Cove	Conditionally Approved	0.02550	0.7%
BB19.0	West Island East Coastal	Conditionally Approved	0.48745	13.2%
BB20.1	Fairhaven East Coastal West	Conditionally Approved	0.28077	7.6%
BB21.0	Nasketucket Bay	Conditionally Approved	2.18659	59.3%
BB21.20	North Cove	Conditionally Approved	0.05043	1.4%
BB21.3	Widemarsh Creek	Prohibited	0.00000	0.0%
BB21.6	Howards Creek	Prohibited	0.00006	0.0%
BB21.8	Seaview Avenue Boat Ramp	Prohibited	0.00012	0.0%
BB22.3	Little Bay	Conditionally Approved	0.09882	2.7%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Nasketucket Bay (MA95-65) 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 Nasketucket Bay (MA95-65) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Nasketucket Bay has 5 beaches with MDPH Beach Closure data: West Island Causeway [Beach ID: 2816], Seaview [Beach ID: 2818] and West Island Town Beach [Beach ID: 2815] beaches in Fairhaven and Leisure Shores [Beach ID: 2976] and Brant Beach [Beach ID: 2970] beaches in Mattapoisett. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (3.6708 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Nasketucket Bay.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2815	West Island Town Beach/ Fairhaven	41.58357, -70.82730	41.59137, -70.82040	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
2816	West Island Causeway/ Fairhaven	41.59685, -70.83910	41.59716, -70.83810	0%	0%	0%	0%	0%	1%	0%	0%	0%	0
2818	Seaview/ Fairhaven	41.62084, -70.85570	41.61996, -70.85540	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
2970	Brant Beach/ Mattapoisett	41.62463, -70.83250	41.62505, -70.83140	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
2976	Leisure Shores/ Mattapoisett	41.62857, -70.82440	41.62856, -70.82180	9%	0%	1%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Nasketucket Bay (MA95-65): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 3.6708 sq mi (100%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Nasketucket Bay (MA95-65) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Nasketucket Bay has 5 beaches with MDPH Beach Closure data: West Island Causeway [Beach ID: 2816], Seaview [Beach ID: 2818] and West Island Town Beach [Beach ID: 2815] beaches in Fairhaven and Leisure Shores [Beach ID: 2976] and Brant Beach [Beach ID: 2970] beaches in Mattapoisett. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (3.6708 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Nasketucket Bay.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

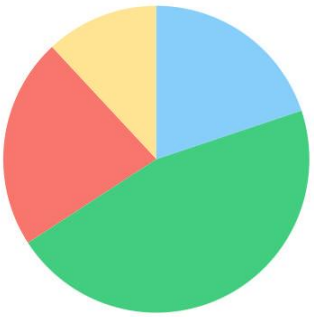
Summary
Nasketucket Bay (MA95-65): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 3.6708 sq mi (100%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Nasketucket River (MA95-104)

Location:	Headwaters, north of Meadow Lane, Fairhaven to the boundary of the saltwater wetland south of Route 6, Fairhaven.
AU Type:	RIVER
AU Size:	0.6 MILES
Classification/Qualifier:	B

Nasketucket River (MA95-104)

Watershed Area: 2.26 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	2.26	2.26	0.62	0.62
Agriculture	11.9%	11.9%	13.2%	13.2%
Developed	22.2%	22.2%	19.3%	19.3%
Natural	46%	46%	41.9%	41.9%
Wetland	19.9%	19.9%	25.6%	25.6%
Impervious	9%	9%	6.8%	6.8%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Fish Passage Barrier*)	--	Unchanged
5	5	Dissolved Oxygen	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Impacts from Hydrostructure Flow Regulation/Modification (Y)	X	--	--	--	--
Dissolved Oxygen	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 Nasketucket River (MA95-104) 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 Nasketucket River (MA95-104) is Not Assessed.

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 the Nasketucket River (MA95-104) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. The Buzzards Bay Coalition (BBC) collected Secchi depth data close to the downstream end of this Nasketucket River AU at BBC_NR2 [Nasketucket River Fresh, Fairhaven] in 2019. At station BBC_NR2 (station depth=0.65 m) the Secchi depth (n=1) was measured to be 0.54 m on Jul 01, 2019, which is less than the 1.2 m (4 ft) threshold; however this Secchi depth data were too limited (n <3) to evaluate water clarity.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2019	In this Nasketucket River AU (MA95-104), Buzzards Bay Coalition (BBC) collected Secchi data at BBC_NR2 [41.642827, -70.871864, Nasketucket River Fresh, Fairhaven] in 2019. At station BBC_NR2 (station depth=0.65 m) the Secchi depth (n=1) was measured to be 0.54 m on Jul 01, 2019, which is less than the 1.2 m (4 ft) threshold.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for the Nasketucket River (MA95-104) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Nasketucket River (MA95-67)

Location:	Estuarine portion, from the boundary of the salt water wetland south of Route 6, Fairhaven to the mouth at Little Bay, Fairhaven (includes connector to Little Bay on the east side of the river).
AU Type:	ESTUARY
AU Size:	0.03 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Nitrogen, Total	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Nitrogen, Total	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 Nasketucket River (MA95-67) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Nasketucket River (MA95-67): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0299 sq mi (93%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0298 sq mi (93%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB22.1	Nasketucket River and Approach	Prohibited	0.02984	93.1%
BB22.3	Little Bay	Conditionally Approved	0.00003	0.1%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Nasketucket River (MA95-67) is Not Assessed.

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 the Nasketucket River (MA95-67) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0299 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Nasketucket River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Nasketucket River (MA95-67): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0299 sq mi (93%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 the Nasketucket River (MA95-67) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0299 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Nasketucket River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Nasketucket River (MA95-67): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0299 sq mi (93%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

New Bedford Inner Harbor (MA95-42)

Location:	Coggeshall Street/Howland Road bridge, New Bedford/Fairhaven to hurricane barrier, Fairhaven/New Bedford.
AU Type:	ESTUARY
AU Size:	1.25 SQUARE MILES
Classification/Qualifier:	SB: SFR, CSO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Debris*)	--	Unchanged
5	5	Dissolved Oxygen	R1_MA_2024_03	Changed
5	5	Enterococcus	36171	Unchanged
5	5	Fecal Coliform	36171	Unchanged
5	5	Metals	--	Unchanged
5	5	Nitrogen, Total	R1_MA_2024_03	Changed
5	5	Nutrient/Eutrophication Biological Indicators	R1_MA_2024_03	Changed
5	5	Odor	--	Unchanged
5	5	Oil and Grease	--	Unchanged
5	5	PCBs in Fish Tissue	--	Unchanged
5	5	Polychlorinated Biphenyls (PCBs)	--	Unchanged
5	5	Trash	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
(Debris*)	Combined Sewer Overflows (N)	--	--	--	X	X	X

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
(Debris*)	Municipal (Urbanized High Density Area) (N)	--	--	--	X	X	X
Dissolved Oxygen	Agriculture (Y)	X	--	--	--	--	--
Dissolved Oxygen	Combined Sewer Overflows (N)	X	--	--	--	--	--
Dissolved Oxygen	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Dissolved Oxygen	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Dissolved Oxygen	Residential Districts (Y)	X	--	--	--	--	--
Enterococcus	Combined Sewer Overflows (N)	--	--	--	--	X	X
Enterococcus	Municipal (Urbanized High Density Area) (N)	--	--	--	--	X	X
Fecal Coliform	Combined Sewer Overflows (N)	--	--	X	--	--	--
Fecal Coliform	Municipal (Urbanized High Density Area) (N)	--	--	X	--	--	--
Metals	CERCLA NPL (Superfund) Sites (Y)	X	--	--	--	--	--
Metals	Contaminated Sediments (Y)	X	--	--	--	--	--
Nitrogen, Total	Agriculture (Y)	X	--	--	--	--	--
Nitrogen, Total	Combined Sewer Overflows (N)	X	--	--	--	--	--
Nitrogen, Total	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Nitrogen, Total	Residential Districts (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Agriculture (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Combined Sewer Overflows (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Residential Districts (Y)	X	--	--	--	--	--
Odor	Combined Sewer Overflows (N)	--	--	--	X	X	X
Odor	Municipal (Urbanized High Density Area) (N)	--	--	--	X	X	X
Oil and Grease	Combined Sewer Overflows (N)	--	--	--	X	X	X
Oil and Grease	Municipal (Urbanized High Density Area) (N)	--	--	--	X	X	X
PCBs in Fish Tissue	CERCLA NPL (Superfund) Sites (Y)	--	X	--	--	--	--
PCBs in Fish Tissue	Contaminated Sediments (Y)	--	X	--	--	--	--
Polychlorinated Biphenyls (PCBs)	CERCLA NPL (Superfund) Sites (Y)	X	--	X	--	--	--
Polychlorinated Biphenyls (PCBs)	Contaminated Sediments (Y)	X	--	X	--	--	--
Trash	Combined Sewer Overflows (N)	--	--	--	X	X	X
Trash	Municipal (Urbanized High Density Area) (N)	--	--	--	X	X	X

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Dissolved Oxygen	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: New Bedford Inner Harbor Embayment System TMDL for Total Nitrogen (Report CN 544.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_03)
Nitrogen, Total	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: New Bedford Inner Harbor Embayment System TMDL for Total Nitrogen (Report CN 544.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_03)
Nutrient/Eutrophication Biological Indicators	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: New Bedford Inner Harbor Embayment System TMDL for Total Nitrogen (Report CN 544.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_03)

Designated Use Attainment Decisions

Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Fish Consumption Use for New Bedford Inner Harbor (MA95-42) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue impairment is being carried forward. MDPH included a site-specific advisory for New Bedford Inner Harbor (referred to by MDPH as ''Area I of New Bedford Harbor'') in their 2017 Guide to Eating Fish Safely in Massachusetts. The public should refer to the most recent MDPH information for the most up to date meal advice for sensitive and general populations.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

New Bedford Inner Harbor (MA95-42): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.194 sq mi (96%). The sum of the approved, conditionally approved, and restricted shellfish growing areas represents 0 sq mi (0%) and the prohibited shellfish growing area represents 1.194 sq mi (96%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB15.0	New Bedford/Fairhaven Harbor	Prohibited	1.19400	95.6%

Aesthetic

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for New Bedford Inner Harbor (MA95-42) continues to be assessed as Not Supporting with the Oil and Grease, Trash, Debris and Odor impairments being carried forward. No new data are available to evaluate the Aesthetics Use for New Bedford Inner Harbor.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for New Bedford Inner Harbor (MA95-42) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on the presence of CSOs. The prior Debris, Odor, Oil and Grease, and Trash impairments (from the Aesthetics Use) are also being carried forward. The shellfish growing areas (1.194 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of New Bedford Inner Harbor. There is a presumptive *Enterococcus* impairment decision in place due to the presence of active CSO outfalls.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
New Bedford Inner Harbor (MA95-42): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.194 sq mi (96%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for New Bedford Inner Harbor (MA95-42) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on the presence of CSOs. The prior Debris, Odor, Oil and Grease, and Trash impairments (from the Aesthetics Use) are being carried forward. The shellfish growing areas (1.194 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of New Bedford Inner Harbor. There is a presumptive *Enterococcus* impairment decision in place due to the presence of active CSO outfalls.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
New Bedford Inner Harbor (MA95-42): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.194 sq mi (96%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

New Bedford Reservoir (MA95110)

Location:	Acushnet.
AU Type:	FRESHWATER LAKE
AU Size:	210 ACRES
Classification/Qualifier:	B: WWF, HQW

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Aquatic Plants (Macrophytes)*)	--	Unchanged
5	5	(Non-Native Aquatic Plants*)	--	Unchanged
5	5	DDT in Fish Tissue	--	Unchanged
5	5	Dissolved Oxygen	--	Unchanged
5	5	Mercury in Fish Tissue	--	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
5	5	Phosphorus, Total	--	Unchanged
5	5	Transparency / Clarity	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Aquatic Plants (Macrophytes)*)	Source Unknown (N)	--	--	X	X	X
(Non-Native Aquatic Plants*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
DDT in Fish Tissue	Source Unknown (N)	--	X	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--
Nutrient/Eutrophication Biological Indicators	Source Unknown (N)	X	--	X	X	X
Phosphorus, Total	Source Unknown (N)	X	--	--	--	--
Transparency / Clarity	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 New Bedford Reservoir (MA95110) continues to be assessed as Not Supporting and the prior DDT in Fish Tissue and Mercury in Fish Tissue impairment is being carried forward. MDPH included a site-specific advisory for New Bedford Reservoir in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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
The Aesthetics Use for New Bedford Reservoir (MA95110) continues to be assessed as Not Supporting with the Aquatic Plants (Macrophytes) and Nutrient/Eutrophication Biological Indicators impairments being carried forward. Since the Total Phosphorus impairment was redundantly duplicated across multiple uses for this waterbody, the Total Phosphorus impairment is being removed from the Aesthetics Use, but will continue to be maintained under the Aquatic Life Use. No new data are available to evaluate the Aesthetics Use for New Bedford Reservoir.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for New Bedford Reservoir (MA95110) continues to be assessed as Not Supporting. The prior Aquatic Plants (Macrophytes) and Nutrient/Eutrophication Biological Indicators impairments (from the Aesthetics Use) are being carried forward. A Transparency / Clarity impairment is being added due to Secchi depth data not meeting the threshold at 1 station in 2017-2021. Since the Total Phosphorus impairment is being removed from the Aesthetics Use this cycle, this impairment is also being removed from the Primary Contact Recreation Use. In New Bedford Reservoir the Buzzards Bay Coalition (BBC) collected Secchi depth data at the northern end of the AU at station BBC_ARL [Acushnet River Fresh, Acushnet] from 2015-2021. The most recent five years of data with >2 Secchi measurements were used for assessment. The majority of Secchi depth measurement were less than the 1.2 m (4 ft) threshold at BBC_ARL in 2017 (n=3/3, 0.48-0.8m), 2018 (n=10/10, 0.2-1.01m), 2019 (n=24/24, 0.35-1.1m), 2020 (n=10/17, 0.7-1.4m), and 2021 (n=22/22, 0.3-0.9m), which is indicative of a Transparency / Clarity impairment.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2015-2021	In New Bedford Reservoir (MA95110), Buzzards Bay Coalition (BBC) collected Secchi data at BBC_ARL [41.73811, -70.906013, Acushnet River Fresh, Acushnet] from 2015-2021. The most recent five years of data with >2 Secchi measurements were used for assessment. In 2017 at station BBC_ARL (station depth=1.12 m) the Secchi depth measurements ranged from 0.48-0.8 m (n=3) with 3 measurements in Jul and Aug that were less than the 1.2 m (4 ft) threshold. In 2018 at station BBC_ARL (station depth=1.5 m) the Secchi depth measurements ranged from 0.2-1.01 m (n=10) with 10 measurements in Jun, Jul, Aug, and Sep that were less than the 1.2 m (4 ft) threshold. In 2019 at station BBC_ARL (station depth=1.7 m) the Secchi depth measurements ranged from 0.35-1.1 m (n=24) with 24 measurements in May, Jun, Jul, Aug, and Sep that were less than the 1.2 m (4 ft) threshold. In 2020 at station BBC_ARL (station depth=1.65 m) the Secchi depth measurements ranged from 0.7-1.4 m (n=17) with 10 measurements in Jun, Jul, and Aug that were less than the 1.2 m (4 ft) threshold. In 2021 at station BBC_ARL (station depth=1.75 m) the Secchi depth measurements ranged from 0.3-0.9 m (n=22) with 22 measurements in Jun, Jul, Aug, and Sep that were less than the 1.2 m (4 ft) threshold. The Secchi depth measurements are indicative of a Transparency / Clarity impairment due to conditions at BBC_ARL.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for New Bedford Reservoir (MA95110) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use continues to be assessed as Not Supporting. The prior Aquatic Plants (Macrophytes) and Nutrient/Eutrophication Biological Indicators impairments (from the Aesthetics Use) are being carried forward. Since the Total Phosphorus impairment is being removed from the Aesthetics Use this cycle, this impairment is also being removed from the Secondary Contact Recreation Use.

New Long Pond (MA95112)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	21 ACRES
Classification/Qualifier:	B

No usable data were available for New Long Pond (MA95112) 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

Noquochoke Lake (MA95113)

Location:	(Main Basin) Dartmouth.
AU Type:	FRESHWATER LAKE
AU Size:	88 ACRES
Classification/Qualifier:	A: PWS, ORW

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Aquatic Plants (Macrophytes)*)	--	Unchanged
5	5	(Fish Passage Barrier*)	--	Unchanged
5	5	(Non-Native Aquatic Plants*)	--	Unchanged
5	5	(Swollen Bladderwort*)	--	Unchanged
5	5	Enterococcus	--	Unchanged
5	5	Mercury in Fish Tissue	33880	Unchanged
5	5	PCBs in Fish Tissue	--	Unchanged
5	5	Turbidity	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Aquatic Plants (Macrophytes)*)	Source Unknown (N)	--	--	X	X	X
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (Y)	X	--	--	--	--
(Non-Native Aquatic Plants*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Swollen Bladderwort*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Enterococcus	Source Unknown (N)	--	--	--	X	--
Mercury in Fish Tissue	Atmospheric Deposition (Y)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--
PCBs in Fish Tissue	CERCLA NPL (Superfund) Sites (Y)	--	X	--	--	--
Turbidity	Source Unknown (N)	--	--	X	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 Noquochoke Lake (MA95113) continues to be assessed as Not Supporting and the prior Mercury in Fish Tissue and PCBs in Fish Tissue impairments are being carried forward. MDPH included a site-specific advisory for Noquochoke Lake in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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
The Aesthetics Use for Noquochoke Lake (MA95113) continues to be assessed as Not Supporting with the Turbidity and Aquatic Plants (Macrophytes) impairments being carried forward. No new data are available to evaluate the Aesthetics Use for this Noquochoke Lake AU.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for Noquochoke Lake (MA95113) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on bacteria data not meeting the threshold at 1 station in 2019. The prior Aquatic Plants (Macrophytes) and Turbidity impairments (from the Aesthetics Use) are being carried forward. UMass - Dartmouth (UMassD) staff/volunteers collected *Enterococcus* bacteria samples in Noquochoke Lake at UMassD_7 [81 Lakeside Ave, N. Dartmouth. Boat launch site] from Jun-Sep 2019 (n=16). Analysis of the single year high frequency *Enterococcus* dataset from this station indicated 84% of intervals had GMs >35 CFU/100ml and 31% of samples exceeded the 130 CFU/100ml STV, which is indicative of an *Enterococcus* impairment.

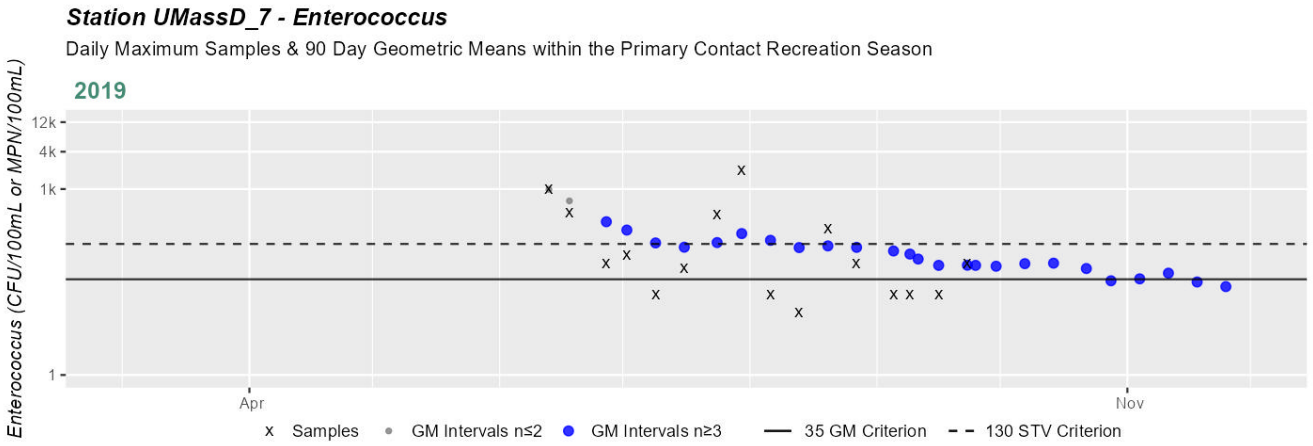
Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
UMassD_7	UMass - Dartmouth	Water Quality	Noquochoke Lake	81 Lakeside Ave, N. Dartmouth. Boat launch site.	41.651749	-71.042862

Bacteria Data

Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)
(UMass-Dartmouth 2019) (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
UMassD_7	Umass - Dartmouth	Enterococci	06/13/19	09/23/19	16	10	1989	79



Variable*	Result
Samples	16
SeasGM	79
#GMI	26
#GMI Ex	22
%GMI Ex	84%
n>STV	5
%n>STV	31%

Cumulative %GMI Exceedance
Current (2011-2022)
84%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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
No bacteria or other indicator data for Noquochoke Lake (MA95113) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use continues to be assessed as Not Supporting. The prior Aquatic Plants (Macrophytes) and Turbidity impairments (from the Aesthetics Use) are being carried forward.

Noquochoke Lake (MA95170)

Location:	(South Basin) Dartmouth.
AU Type:	FRESHWATER LAKE
AU Size:	13 ACRES
Classification/Qualifier:	A: PWS, ORW (Tributary)

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Aquatic Plants (Macrophytes)*)	--	Unchanged
5	5	(Non-Native Aquatic Plants*)	--	Unchanged
5	5	Mercury in Fish Tissue	33880	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
5	5	PCBs in Fish Tissue	--	Unchanged
5	5	Turbidity	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Aquatic Plants (Macrophytes)*)	Source Unknown (N)	--	--	X	X	X
(Non-Native Aquatic Plants*)	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	--	--	--
Nutrient/Eutrophication Biological Indicators	Source Unknown (N)	--	--	X	X	X

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
PCBs in Fish Tissue	Source Unknown (N)	--	X	--	--	--
Turbidity	Source Unknown (N)	--	--	X	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 Noquochoke Lake (MA95170) continues to be assessed as Not Supporting and the prior Mercury in Fish Tissue and PCBs in Fish Tissue impairment is being carried forward. MDPH included a site-specific advisory for Noquochoke Lake in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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
The Aesthetics Use for Noquochoke Lake (MA95170) continues to be assessed as Not Supporting with the Turbidity, Aquatic Plants (Macrophytes) and Nutrient/Eutrophication Biological Indicators impairments being carried forward. No new data are available to evaluate the Aesthetics Use for this Noquochoke Lake AU.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

No bacteria or other indicator data for Noquochoke Lake (MA95170) are available, so the Primary Contact Recreation Use continues to be assessed as Not Supporting. The prior Aquatic Plants (Macrophytes), Nutrient/Eutrophication Biological Indicators, and Turbidity impairments (from the Aesthetics Use) are being carried forward.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Noquochoke Lake (MA95170) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use continues to be assessed as Not Supporting. The prior Aquatic Plants (Macrophytes), Nutrient/Eutrophication Biological Indicators, and Turbidity impairments (from the Aesthetics Use) are being carried forward.

Noquochoke Lake (MA95171)

Location:	(North Basin) Dartmouth.
AU Type:	FRESHWATER LAKE
AU Size:	17 ACRES
Classification/Qualifier:	A: PWS, ORW (Tributary)

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Aquatic Plants (Macrophytes)*)	--	Unchanged
5	5	(Non-Native Aquatic Plants*)	--	Unchanged
5	5	Mercury in Fish Tissue	33880	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged
5	5	PCBs in Fish Tissue	--	Unchanged
5	5	Turbidity	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Aquatic Plants (Macrophytes)*)	Source Unknown (N)	--	--	X	X	X
(Non-Native Aquatic Plants*)	Introduction of Non-native Organisms (Accidental or Intentional) (N)	X	--	--	--	--
Mercury in Fish Tissue	Atmospheric Deposition (Y)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--
Nutrient/Eutrophication Biological Indicators	Source Unknown (N)	--	--	X	X	X

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
PCBs in Fish Tissue	Source Unknown (N)	--	X	--	--	--
Turbidity	Source Unknown (N)	--	--	X	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 Noquochoke Lake (MA95171) continues to be assessed as Not Supporting and the prior Mercury in Fish Tissue and PCBs in Fish Tissue impairments are being carried forward. MDPH included a site-specific advisory for Noquochoke Lake in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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
The Aesthetics Use for Noquochoke Lake (MA95171) continues to be assessed as Not Supporting with the Turbidity, Aquatic Plants (Macrophytes) and Nutrient/Eutrophication Biological Indicators impairments being carried forward. No new data are available to evaluate the Aesthetics Use for Noquochoke Lake.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

No bacteria or other indicator data for Noquochoke Lake (MA95171) are available, so the Primary Contact Recreation Use continues to be assessed as Not Supporting. The prior Aquatic Plants (Macrophytes), Nutrient/Eutrophication Biological Indicators, and Turbidity impairments (from the Aesthetics Use) are being carried forward.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Noquochoke Lake (MA95171) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use continues to be assessed as Not Supporting. The prior Aquatic Plants (Macrophytes), Nutrient/Eutrophication Biological Indicators, and Turbidity impairments (from the Aesthetics Use) are being carried forward.

Onset Bay (MA95-02)

Location:	Wareham.
AU Type:	ESTUARY
AU Size:	0.78 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	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 Onset Bay (MA95-02) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Onset Bay (MA95-02): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.7511 sq mi (97%). The approved shellfish growing area represents 0.5372 sq mi (69%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB40.0	Onset Bay	Approved	0.53715	69.0%
BB40.3	Town Pier Mooring Area	Conditionally Approved	0.07299	9.4%
BB40.5	Onset Bay	Prohibited	0.00021	0.0%
BB40.6	Eastern Side of Onset Bay Mooring Area	Conditionally Approved	0.13956	17.9%
BB41.0	Sunset Cove	Conditionally Approved	0.00115	0.1%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Onset Bay (MA95-02) 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 Onset Bay (MA95-02) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Onset Bay has 3 beaches with MDPH Beach Closure data: Onset [Beach ID: 3184], Point Independence [Beach ID: 3180] and Shell Point [Beach ID: 3192] beaches in Wareham. All these beaches were rarely, if at all, posted for swimming from 2018-2022. The shellfish growing areas (0.7511 sq mi) in this AU are less than 100% approved (0.5371 sq mi, 69%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Onset Bay.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
3180	Point Independence/ Wareham	41.74049, -70.65200	41.74059, -70.64860	2%	0%	0%	0%	0%	0%	0%	0%	0%	0
3184	Onset/ Wareham	41.73845, -70.66390	41.74233, -70.65410	2%	0%	0%	0%	0%	0%	0%	0%	0%	0
3192	Shell Point/ Wareham	41.74132, -70.66580	41.73844, -70.66390	3%	0%	0%	0%	0%	0%	0%	0%	1%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Onset Bay (MA95-02): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.7511 sq mi (97%). The approved shellfish growing area represents 0.5372 sq mi (69%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Onset Bay (MA95-02) continues to be assessed as Fully Supporting. Onset Bay has 3 beaches with MDPH Beach Closure data: Onset [Beach ID: 3184], Point Independence [Beach ID: 3180] and Shell Point [Beach ID: 3192] beaches in Wareham. All these beaches were rarely, if at all, posted for swimming from 2018-2022. The shellfish growing areas (0.7511 sq mi) in this AU are less than 100% approved (0.5371 sq mi, 69%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Onset Bay.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Onset Bay (MA95-02): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.7511 sq mi (97%). The approved shellfish growing area represents 0.5372 sq mi (69%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Outer New Bedford Harbor (MA95-63)

Location:	From the hurricane barrier, Fairhaven/New Bedford to a line drawn from Wilbur Point, Fairhaven to Clarks Point, New Bedford (formerly part of 2000 segment: Outer New Bedford Harbor MA95-27).
AU Type:	ESTUARY
AU Size:	5.78 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Enterococcus	36172	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nitrogen, Total	--	Unchanged
5	5	PCBs in Fish Tissue	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Combined Sewer Overflows (Y)	X	--	--	--	--	--
Dissolved Oxygen	Industrial Point Source Discharge (N)	X	--	--	--	--	--
Dissolved Oxygen	Municipal Point Source Discharges (N)	X	--	--	--	--	--
Dissolved Oxygen	Unspecified Urban Stormwater (N)	X	--	--	--	--	--
Enterococcus	Combined Sewer Overflows (Y)	--	--	--	--	X	X
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Nitrogen, Total	Source Unknown (N)	X	--	--	--	--	--
PCBs in Fish Tissue	CERCLA NPL (Superfund) Sites (Y)	--	X	--	--	--	--
PCBs in Fish Tissue	Contaminated Sediments (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 Outer New Bedford Harbor (MA95-63) continues to be assessed as Not Supporting and the prior PCBs in Fish Tissue impairment is being carried forward. MDPH included a site-specific advisory for Outer New Bedford Harbor (referred to by MDPH as ''Area II of New Bedford Harbor'') in their 2017 Guide to Eating Fish Safely in Massachusetts. The public should refer to the most recent MDPH information for the most up to date meal advice for sensitive and general populations.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Outer New Bedford Harbor (MA95-63): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 5.7499 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 5.7499 sq mi (99%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB13.0	Clarks Cove	Prohibited	0.00000	0.0%
BB15.0	New Bedford/Fairhaven Harbor	Prohibited	5.74992	99.5%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Outer New Bedford Harbor (MA95-63) 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 Outer New Bedford Harbor (MA95-63) continues to be assessed as Not Supporting, with the prior *Enterococcus* impairment being carried forward due to the presence of CSO outfalls. Outer New Bedford Harbor has 7 beaches with MDPH Beach Closure data: Fort Phoenix (DCR) [Beach ID: 2820], Fort Phoenix - Town Beach [Beach ID: 5494] and Manhattan Avenue [Beach ID: 2819] beaches in Fairhaven and Davy's Locker [Beach ID: 3026], O'Tools [Beach ID: 3024], Tabor Park South [Beach ID: 3020] and Tower Beach [Beach ID: 3018] beaches in New Bedford. All these beaches were rarely, if at all, posted for swimming from 2018-2022. The shellfish growing areas (5.7499 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Outer New Bedford Harbor. However, there is a presumptive impairment decision in place due to the presence of CSO outfalls.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2819	Manhattan Avenue/ Fairhaven	41.62898, -70.87790	41.62850, -70.87650	0%	0%	0%	0%	0%	0%	0%	7%	0%	0
2820	Fort Phoenix (DCR)/ Fairhaven	41.62406, -70.90030	41.62499, -70.89340	0%	0%	0%	0%	0%	2%	0%	2%	0%	0
3018	Tower Beach/ New Bedford	41.59773, -70.90290	41.60025, -70.90170	4%	3%	0%	1%	0%	3%	0%	1%	0%	0
3018	Tower Beach/ New Bedford	41.59773, -70.90290	41.60025, -70.90170	4%	3%	0%	1%	0%	3%	0%	1%	0%	0
3020	Tabor Park South/ New Bedford	41.59735, -70.90320	41.59421, -70.90050	3%	2%	0%	0%	0%	2%	0%	1%	0%	0
3024	O'Tools/ New Bedford	41.60285, -70.90210	41.60045, -70.90180	3%	4%	0%	1%	0%	2%	0%	1%	0%	0
3026	Davy's Locker/ New Bedford	41.61010, -70.90480	41.60931, -70.90470	4%	3%	0%	0%	0%	2%	0%	1%	0%	0
5494	Fort Phoenix - Town Beach/ Fairhaven	41.62469, -70.90330	41.62402, -70.90040	0%	0%	0%	0%	0%	0%	0%	7%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Outer New Bedford Harbor (MA95-63): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 5.7499 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Outer New Bedford Harbor (MA95-63) continues to be assessed as Not Supporting, with the prior *Enterococcus* impairment being carried forward due to the presence of CSO outfalls. Outer New Bedford Harbor has 7 beaches with MDPH Beach Closure data: Fort Phoenix (DCR) [Beach ID: 2820], Fort Phoenix - Town Beach [Beach ID: 5494] and Manhattan Avenue [Beach ID: 2819] beaches in Fairhaven and Davy's Locker [Beach ID: 3026], O'Tools [Beach ID: 3024], Tabor Park South [Beach ID: 3020] and Tower Beach [Beach ID: 3018] beaches in New Bedford. All these beaches were rarely, if at all, posted for swimming from 2018-2022. The shellfish growing areas (5.7499 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Outer New Bedford Harbor. However, there is a presumptive impairment decision in place due to the presence of CSO outfalls.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Outer New Bedford Harbor (MA95-63): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 5.7499 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Outer Pocasset Harbor (MA95-110)

Location:	Harbor, bounded on the east by Bassetts Island and the mouths of Pocasset and Red Brook harbors, Bourne and on the west by an imaginary line drawn from the southwestern tip of Wings Neck to the northwestern tip of Scraggy Neck, Bourne.
AU Type:	ESTUARY
AU Size:	0.93 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
--	5	Fecal Coliform	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Outer Pocasset Harbor (MA95-110) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert

Not Supporting	NO

2024/26 Use Attainment Summary
Outer Pocasset Harbor (MA95-110): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.924 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications, a Fecal Coliform impairment is being added.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB28.0	North Buzzards Bay	Approved	0.00000	0.0%
BB49.0	Pocasset And Red Brook Harbor	Conditionally Approved	0.92398	99.5%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Outer Pocasset Harbor (MA95-110) is Not Assessed.

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 Outer Pocasset Harbor (MA95-110) so it is assessed as having Insufficient Information. The shellfish growing areas (0.924 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Outer Pocasset Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Outer Pocasset Harbor (MA95-110): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.924 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Outer Pocasset Harbor (MA95-110) so it is assessed as having Insufficient Information. The shellfish growing areas (0.924 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Outer Pocasset Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Outer Pocasset Harbor (MA95-110): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.924 sq mi (99%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Oyster Pond (MA95927)

Location:	west of Route 28A, Falmouth.
AU Type:	ESTUARY
AU Size:	0.01 SQUARE MILES
Classification/Qualifier:	SA: SFO

No usable data were available for Oyster Pond (MA95927) 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
4a	4a	Dissolved Oxygen	34331	Unchanged
4a	4a	Estuarine Bioassessments	34331	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Dissolved Oxygen	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Dissolved Oxygen	Residential Districts (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Residential Districts (Y)	X	--	--	--	--	--

Parker Mills Pond (MA95115)

Location:	Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	73 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Aquatic Plants (Macrophytes)*)	--	Added
5	5	(Non-Native Aquatic Plants*)	--	Unchanged
5	5	Dissolved Oxygen	--	Unchanged
5	5	Escherichia Coli (E. Coli)	--	Added
5	5	Phosphorus, Total	--	Unchanged
5	5	Transparency / Clarity	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Aquatic Plants (Macrophytes)*)	Source Unknown (N)	--	--	X	X	X
(Non-Native Aquatic Plants*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	--
Phosphorus, Total	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Phosphorus, Total	Source Unknown (N)	X	--	--	--	--
Transparency / Clarity	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 Parker Mills Pond (MA95115). Fish toxics sampling for mercury, organochlorine pesticides, and metals was performed by MassDEP WPP biologists in Parker Mills Pond at station F0464 in 2018 as part of the probabilistic lake surveys (MAP2). 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 7)

Summary Statement
Fish toxics sampling for mercury, organochlorine pesticides, and metals was performed by MassDEP WPP biologists in Parker Mills Pond (MA95115) at station F0464 in 2018 as part of the probabilistic lake surveys (MAP2). No site-specific fish consumption advisory was issued by MDPH.

Aesthetic

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Aesthetics Use for Parker Mills Pond (MA95115) continues to be assessed as Not Supporting, with an Aquatic Plants (Macrophytes) non-pollutant impairment being added based on the observations from the 2018 MassDEP MAP2 macrophyte mapping survey. Since the Total Phosphorus and Non-Native Aquatic Plants impairments were redundantly duplicated across multiple uses for this waterbody, the Total Phosphorus and Non-Native Aquatic Plants impairments are being removed from the Aesthetics Use, but will continue to be maintained under the Aquatic Life Use. MassDEP staff recorded aesthetics observations as part of the MAP2 lake monitoring project, in summer 2018 at three stations in Wareham, for Parker Mills Pond; at the deep hole in the southern end of Wankinco River impoundment (W0776/MAP2L-305, n=1); shoreline station at southern lobe of a Wankinko River impoundment, just east of the fish ladder, north of Elm St (W2793/MAP2L-305S, n=5) and at the second deep hole in southern end of Wankinco River impoundment (W2953, n=2). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded at any of the stations during any site visits. However, during the MAP2 macrophyte mapping survey in Aug 2018, greater than 25% (98%) of the waterbody was determined to have an aquatic macrophyte biovolume >50%, with MassDEP field staff raising an aesthetics impairment flag on this day, due to the density of Aquatic Plants (Macrophytes). Also during the MAP2 littoral survey on this same day, duckweed was noted at 10 of the 10 shoreline plots.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W0776	MassDEP	Water Quality	Wankinco River/Parker Mills Pond	[deep hole in southern end of Wankinco River impoundment, Wareham]	41.770185	-70.722059
W2793	MassDEP	Water Quality	Wankinco River/Parker Mills Pond	[southern lobe of a Wankinko River impoundment, just east of the fish ladder, north of Elm Street, Wareham]	41.767596	-70.722227
W2953	MassDEP	Water Quality	Wankinco River/Parker Mills Pond	[second deep hole in southern end of Wankinco River impoundment, Wareham]	41.768424	-70.722939

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0776	Parker Mills Pond	2018	Aesthetics Impaired?	No	1	1

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0776	Parker Mills Pond	2018	Aquatic Plant Density, Overall	None	1	1
W0776	Parker Mills Pond	2018	Color	None	1	1
W0776	Parker Mills Pond	2018	Objectionable Deposits	No	1	1
W0776	Parker Mills Pond	2018	Odor	None	1	1
W0776	Parker Mills Pond	2018	Scum	No	1	1
W0776	Parker Mills Pond	2018	Turbidity	None	1	1
W2793	Parker Mills Pond	2018	Aesthetics Impaired?	No	4	5
W2793	Parker Mills Pond	2018	Aesthetics Impaired?	NR	1	5
W2793	Parker Mills Pond	2018	Color	Light Yellow/Tan	2	5
W2793	Parker Mills Pond	2018	Color	None	3	5
W2793	Parker Mills Pond	2018	Objectionable Deposits	No	4	5
W2793	Parker Mills Pond	2018	Objectionable Deposits	Yes	1	5
W2793	Parker Mills Pond	2018	Odor	None	5	5
W2793	Parker Mills Pond	2018	Scum	No	3	5
W2793	Parker Mills Pond	2018	Scum	Yes	2	5
W2793	Parker Mills Pond	2018	Turbidity	None	5	5
W2953	Parker Mills Pond	2018	Aesthetics Impaired?	No	1	2
W2953	Parker Mills Pond	2018	Aesthetics Impaired?	NR	1	2
W2953	Parker Mills Pond	2018	Aquatic Plant Density, Overall	NR	1	2
W2953	Parker Mills Pond	2018	Aquatic Plant Density, Overall	Sparse	1	2

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2953	Parker Mills Pond	2018	Color	Light Yellow/Tan	1	2
W2953	Parker Mills Pond	2018	Color	NR	1	2
W2953	Parker Mills Pond	2018	Objectionable Deposits	No	2	2
W2953	Parker Mills Pond	2018	Odor	Musty (Basement)	1	2
W2953	Parker Mills Pond	2018	Odor	None	1	2
W2953	Parker Mills Pond	2018	Scum	Yes	2	2
W2953	Parker Mills Pond	2018	Turbidity	NR	1	2
W2953	Parker Mills Pond	2018	Turbidity	Slightly Turbid	1	2

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for Parker Mills Pond (MA95115) continues to be assessed as Not Supporting. An *Escherichia coli (E. coli)* impairment is being added due to bacteria data not meeting the threshold at 1 station in 2018, and the Transparency / Clarity impairment is being added due to Secchi depth data not meeting the threshold at 1 station in 2016 & 2018-2021 and an Aquatic Plants (Macrophytes) impairment is being added (from the Aesthetics Use). Since the Non-Native Aquatic Plants and Total Phosphorus impairments are being removed from the Aesthetics Use this cycle, these impairments are also being removed from the Primary Contact Recreation Use. The Buzzards Bay Coalition (BBC) collected Secchi depth data at BBC_MP1 [south end of Parkers Mill Pond, Wareham] from 2015-2016 and from 2018-2021. In 2018 MassDEP collected Secchi depth data at station W2953 [second deep hole in southern end of Wankinco River impoundment, Wareham], Secchi depth and cyanobacteria cell count data at W0776 [MAP2L-305, Index-deep hole] and cyanobacteria cell count and cyanotoxin data at shoreline station W2793 [MAP2L-305S, southern lobe of a Wankinko River impoundment, just E of the fish ladder, N of Elm St, Wareham].
The most recent five years of data with >2 Secchi depth measurements were used for assessment: More than one Secchi depth measurement was less than the 1.2 m (4 ft) threshold at BBC_MP1 (station depth ranging 1.2-2.3 m) in 2016 (n=7/8, 0.4-1.2m), 2018 (n=2/3, 0.8-1.75m), 2019 (n=9/9, 0.95-1m), 2020 (n=6/6, 0.9-1.1m), and 2021 (n=4/5, 0.9-1.2m). Secchi depth data met the threshold at W2953 (station depth 3.3 m) in 2018 (n=2, 1.6-2.31m). Data were too limited (n <3) to evaluate water clarity at W0776 (station depth 2.8 m) in 2018 (n=1, 2.01m). Overall, the Secchi depth measurements are indicative of a Transparency / Clarity impairment due to conditions at station BBC_MP1. The cyanobacteria cell count did not exceed 70,000 cells/ml in any of the water samples in 2018 (n=6). In addition, analysis of microcystins and cylindrospermopsin samples from W2793 in 2018 (n=6) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L.
MassDEP staff also collected *E. coli* bacteria samples in Parker Mills Pond at shoreline station W2793 from May-Sep 2018 (n=5). Analysis of the single year limited frequency dataset from this station indicated 100% of intervals had GMs >126 CFU/100ml, 1 sample exceeded the 410 CFU/100ml STV (650 CFU) and the seasonal GM was 125 CFU/100ml, which is indicative of an *Escherichia coli (E. coli*) impairment.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W0776	MassDEP	Water Quality	Wankinco River/Parker Mills Pond	[deep hole in southern end of Wankinco River impoundment, Wareham]	41.770185	-70.722059
W2793	MassDEP	Water Quality	Wankinco River/Parker Mills Pond	[southern lobe of a Wankinko River impoundment, just east of the fish ladder, north of Elm Street, Wareham]	41.767596	-70.722227

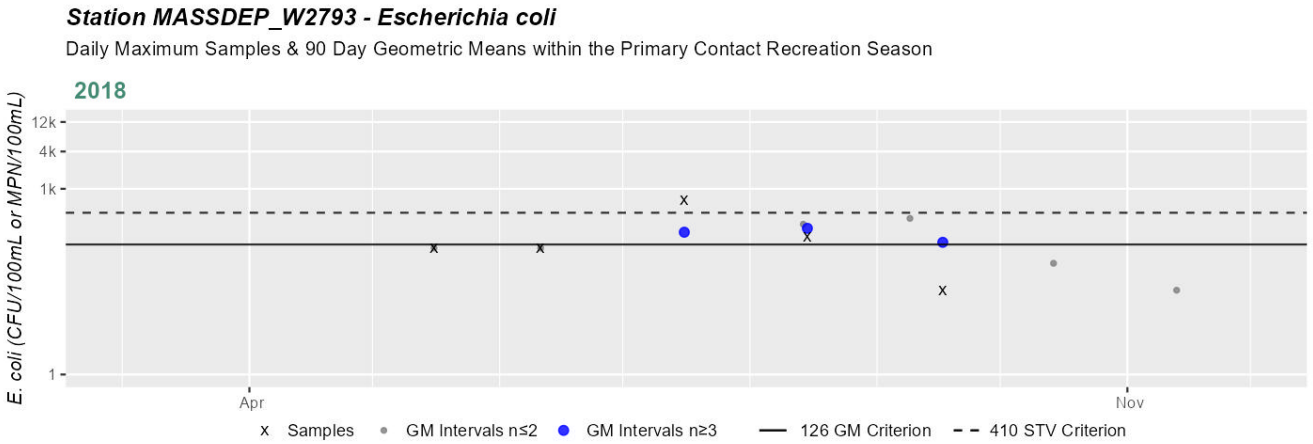
Bacteria Data

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

(MassDEP Undated 9) (MassDEP Undated 5)

[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
W2793	MassDEP	E. coli	05/16/18	09/17/18	5	23	650	125



Variable*	Result
Samples	5
SeasGM	125
#GMI	3
#GMI Ex	3
%GMI Ex	100%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Current (2011-2022)
100%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Other Indicators

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

(MassDEP Undated 9) (MassDEP Undated 5) (MassDEP Undated 3)

Data Year(s)	Summary
2015-2016, 2018-2021	In Parker Mills Pond (MA95115), Buzzards Bay Coalition (BBC) collected Secchi data at BBC_MP1 [41.767448, -70.722141, Parkers Mill Pond, Wareham] from 2015-2016 and from 2018-2021. In 2018, MassDEP collected Secchi data at W2953 [41.768424, -70.722939, second deep hole in southern end of Wankinco River impoundment, Wareham], Secchi and cyanobacteria cell count data at W0776 [MAP2L-305, Index-deep hole] (2018), and cyanobacteria cell count and cyanotoxin data at W2793 [MAP2L-305S, Shoreline]. The most recent five years of data with >2 Secchi measurements were used for assessment. In 2016 at station BBC_MP1 (station depth=2.3 m) the Secchi depth measurements ranged from 0.4-1.2 m (n=8) with 7 measurements in Jun, Jul, and Aug that were less than the 1.2 m (4 ft) threshold. In 2018 at station BBC_MP1 (station depth=1.9 m) the Secchi depth measurements ranged from 0.8-1.75 m (n=3) with 2 measurements in Aug that were less than the 1.2 m (4 ft) threshold. In 2019 at station BBC_MP1 (station depth=1.2 m) the Secchi depth measurements ranged from 0.95-1 m (n=9) with 9 measurements in Jul and Aug that were less than the 1.2 m (4 ft) threshold. In 2020 at station BBC_MP1 (station depth=1.35 m) the Secchi depth measurements ranged from 0.9-1.1 m (n=6) with 6 measurements in Jul and Aug that were less than the 1.2 m (4 ft) threshold. In 2021 at station BBC_MP1 (station depth=1.44 m) the Secchi depth measurements ranged from 0.9-1.2 m (n=5) with 4 measurements in Aug that were less than the 1.2 m (4 ft) threshold. In 2018 at station W0776 (station depth=2.8 m) the Secchi depth (n=1) was measured to be 2.01 m on Aug 07, 2018 indicating water clarity meeting the 1.2 m (4 ft) threshold. In 2018 at station W2953 (station depth=3.3 m) the Secchi depth measurements ranged from 1.6-2.31 m (n=2) indicating water clarity meeting the 1.2 m (4 ft) threshold. The Secchi depth measurements are indicative of a Transparency / Clarity impairment due to conditions at BBC_MP1. The cyanobacteria cell count did not exceed 70,000 cells/ml in any of the water samples in 2018 (n=6). Analysis of microcystins and cylindrospermopsin samples from W2793 in 2018 (n=6) 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 9) (MassDEP Undated 5)

Station Code	Waterbody	Station Type	Data Year	Sample Count	Count >70,000 cells/mL	Exceedance Date(s)
W0776	Parker Mills Pond	Index	2018	3	0	NA
W2793	Parker Mills Pond	Shoreline	2018	3	0	NA

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Parker Mills Pond (MA95115) continues to be assessed as Not Supporting. An Aquatic Plants (Macrophytes) impairment is being added (from the Aesthetics Use). Since the Non-Native Aquatic Plants and Total Phosphorus impairments are being removed from the Aesthetics Use this cycle, these impairments are also being removed from the Secondary Contact Recreation Use. In 2018 MassDEP collected cyanobacteria cell count data at W0776 [MAP2L-305, Index-deep hole] and cyanobacteria cell count and cyanotoxin data at shoreline station W2793 [MAP2L-305S, southern lobe of a Wankinko River impoundment, just E of the fish ladder, N of Elm St, Wareham]. The cyanobacteria cell count did not exceed 70,000 cells/ml in any of the water samples in 2018 (n=6). Analysis of microcystins and cylindrospermopsin samples from W2793 in 2018 (n=6) indicated that the cyanotoxin concentrations did not exceed their respective thresholds of 8 µg/L and 15 µg/L. MassDEP staff also collected *E. coli* bacteria samples in Parker Mills Pond at shoreline station W2793 from May-Sep 2018 (n=5). Analysis of the single year limited frequency dataset from this station indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM was 125 CFU/100ml, which meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2793	MassDEP	Water Quality	Wankinco River/Parker Mills Pond	[southern lobe of a Wankinko River impoundment, just east of the fish ladder, north of Elm Street, Wareham]	41.767596	-70.722227

Bacteria Data

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

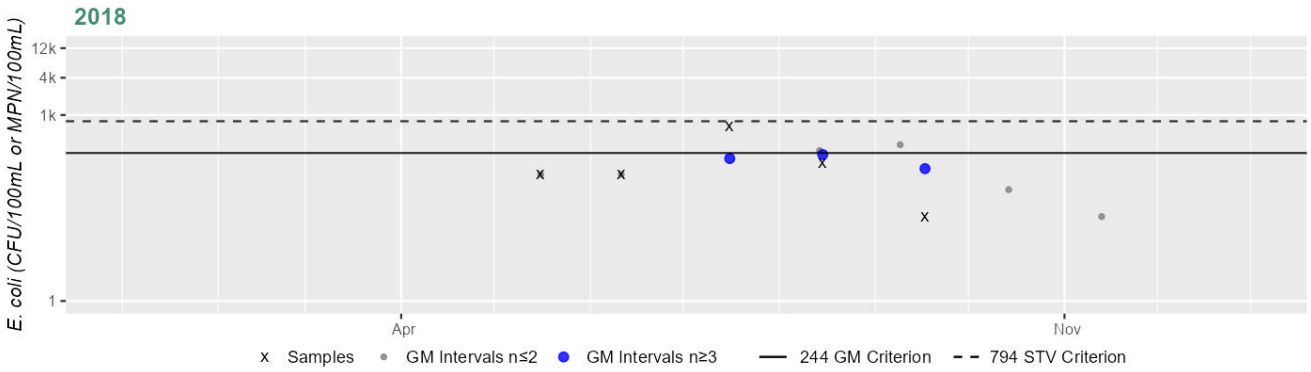
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W2793	MassDEP	E. coli	05/16/18	09/17/18	5	23	650	125

Station MASSDEP_W2793 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	125
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

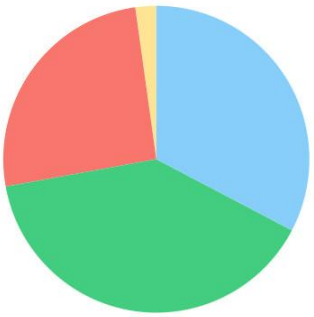
**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes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

Paskamanset River (MA95-11)

Location:	Headwaters, outlet Turners Pond, Dartmouth/New Bedford to confluence with Slocums River (Rock O'Dundee Road), Dartmouth.
AU Type:	RIVER
AU Size:	10.5 MILES
Classification/Qualifier:	B

Paskamanset River (MA95-11)

Watershed Area: 28.29 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	28.29	7.34	7.15	1.72
Agriculture	2.2%	3.8%	2.4%	3.4%
Developed	25.6%	12.5%	18.8%	10.4%
Natural	39.5%	48%	38.4%	41.7%
Wetland	32.7%	35.7%	40.3%	44.5%
Impervious	12.5%	4.5%	10.1%	3.5%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Fish Passage Barrier*)	--	Unchanged
5	5	Combined Biota/Habitat Bioassessments	--	Unchanged
5	5	Dissolved Oxygen	--	Unchanged
5	5	Enterococcus	R1_MA_2024_04	Changed
5	5	Escherichia Coli (E. Coli)	R1_MA_2024_04	Changed
5	5	Lead	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (Y)	X	--	--	--	--
Combined Biota/Habitat Bioassessments	Source Unknown (N)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--
Enterococcus	Source Unknown (N)	--	--	--	X	--
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X
Lead	Source Unknown (N)	X	--	--	--	--

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Enterococcus	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)
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)

Recommendations

2024/26 Recommendations
2022IR [Aesthetics, Low] Conduct additional monitoring for Paskamanset River (MA95-11) especially in the area just upstream of Rt.6 {W1376} to confirm if Orange floc is impairing the Aesthetics Use. An Alert was previously identified due to 1 observation of Objectionable Deposits just upstream of Rt.6 (W1376) in August 2005 (i.e., Orange floc covering 100% of bottom, on Moss). This is of low priority;

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 Paskamanset River (MA95-11) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	YES

2024/26 Use Attainment Summary
The Aesthetics Use for Paskamanset River (MA95-11) is assessed as Fully Supporting based on the general lack of objectionable conditions noted by MassDEP staff during the summer of 2013. MassDEP staff recorded aesthetics observations as part of the MAP2 wadable streams monitoring project for Paskamanset River; almost halfway down the AU ~2500 ft downstream/south from Rt. 6 (State Road) Dartmouth (W2404, n=8), in the summer of 2013. There were generally no noted objectionable conditions (odors, deposits, growths, or turbidity) recorded. The Alert previously identified due to 1 observation of Objectionable Deposits just upstream of Rt.6 (W1376) in August 2005 (i.e., Orange floc covering 100% of bottom, on Moss) is being carried forward since there were no new surveys completed at that location in 2013. Additional sampling will be recommended for the area upstream of Rt. 6 to confirm if Orange floc is impairing the Aesthetics Use of Paskamanset River.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2404	MassDEP	Water Quality	Paskamanset River	[approximately 2500 feet downstream/south from Route 6 (State Road), Dartmouth]	41.633384	-70.986022

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2404	2013	8	Aesthetic observations were made by MassDEP field sampling crews at Station W2404 on Paskamanset River (MA95-11) during 8 site visits between May 2013 and Sep 2013. 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 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2404	2013	8	4	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2404	Paskamanset River	2013	Aesthetics Impaired?	No	8	8
W2404	Paskamanset River	2013	Aquatic Plant Density, Overall	None	6	8
W2404	Paskamanset River	2013	Aquatic Plant Density, Overall	Unobservable	2	8
W2404	Paskamanset River	2013	Color	Brownish	1	8
W2404	Paskamanset River	2013	Color	Light Yellow/Tan	1	8
W2404	Paskamanset River	2013	Color	Reddish	6	8
W2404	Paskamanset River	2013	Objectionable Deposits	No	7	8
W2404	Paskamanset River	2013	Objectionable Deposits	Yes	1	8
W2404	Paskamanset River	2013	Odor	None	8	8
W2404	Paskamanset River	2013	Periphyton Density, Filamentous	None	4	8
W2404	Paskamanset River	2013	Periphyton Density, Filamentous	Unobservable	4	8
W2404	Paskamanset River	2013	Periphyton Density, Film	None	4	8

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2404	Paskamanset River	2013	Periphyton Density, Film	Unobservable	4	8
W2404	Paskamanset River	2013	Scum	No	6	8
W2404	Paskamanset River	2013	Scum	Yes	2	8
W2404	Paskamanset River	2013	Turbidity	Moderately Turbid	1	8
W2404	Paskamanset River	2013	Turbidity	None	4	8
W2404	Paskamanset River	2013	Turbidity	Slightly Turbid	3	8

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the Paskamanset River (MA95-11) 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 1 station in 2013 and the prior *Enterococcus* impairment is also being carried forward. The prior Alert for Objectionable Deposits identified just upstream of Rt.6 (W1376) in August 2005 (i.e., Orange floc covering 100% of bottom, on Moss), is being removed from the Recreational Uses but continues to be maintained under the Aesthetics Use. MassDEP staff collected *E. coli* bacteria samples almost halfway down the Paskamanset River at W2404 [~2500 ft downstream/S from Rt. 6 (State Rd), Dartmouth] from May-Sep 2013 (n=5). Analysis of the single year limited frequency *E. coli* dataset from W2404 indicated 100% of intervals had GMs >126 CFU/100ml, 2 samples exceeded the 410 CFU/100ml STV (maximum 17,330 CFU) and the seasonal GM was 772 CFU/100ml, which is indicative of an *Escherichia coli (E. coli)* impairment.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2404	MassDEP	Water Quality	Paskamanset River	[approximately 2500 feet downstream/south from Route 6 (State Road), Dartmouth]	41.633384	-70.986022

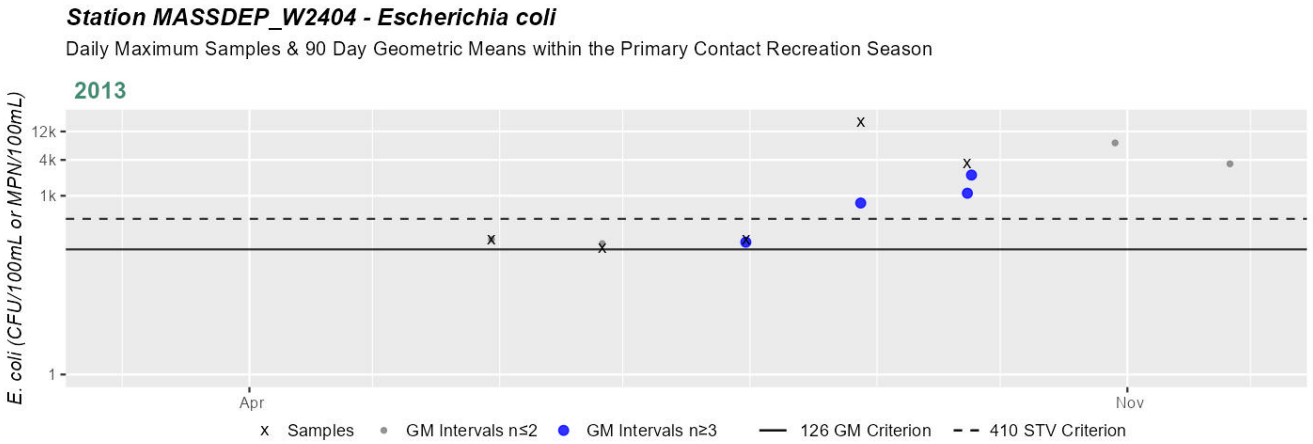
Bacteria Data

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

(MassDEP Undated 9) (MassDEP Undated 5)

[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
W2404	MassDEP	E. coli	05/30/13	09/23/13	5	134	17330	772



Variable*	Result
Samples	5
SeasGM	772
#GMI	4
#GMI Ex	4
%GMI Ex	100%
n>STV	2
%n>STV	40%

Cumulative %GMI Exceedance
Current (2011-2022)
100%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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 Paskamanset River (MA95-11) 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 1 station in 2013. The prior Alert for Objectionable Deposits identified just upstream of Rt.6 (W1376) in August 2005 (i.e., Orange floc covering 100% of bottom, on Moss), is being removed from the Recreational Uses but continues to be maintained under the Aesthetics Use. MassDEP staff collected *E. coli* bacteria samples in both the historic (1997-2010) & the current IR window (2011-2022) in the Paskamanset River in 2005 & 2013 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: almost halfway down the AU at W1376 [Rt. 6, Dartmouth] from May-Sep 2005 (n=5) and W2404 [~2500 ft downstream/S from Rt. 6 (State Rd), Dartmouth] from May-Sep 2013 (n=5), then close to the downstream end of the AU at W1377 [Russells Mills Rd, Dartmouth] from May-Sep 2005 (n=6). Since the data from the historic window was generally indicative of good conditions, only the data from the current window will be discussed here. Analysis of the single year limited frequency *E. coli* dataset from W2404 indicated 75% of intervals had GMs >244 CFU/100ml, 2 samples exceeded the 794 CFU/100ml STV (maximum 17,330 CFU) and the overall GM was 772 CFU/100ml, which is indicative of an *Escherichia coli (E. coli)* impairment.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1376	MassDEP	Water Quality	Paskamanset River	[Route 6, Dartmouth]	41.639492	-70.984830
W1377	MassDEP	Water Quality	Paskamanset River	[Russells Mills Road, Dartmouth]	41.585796	-70.990385
W2404	MassDEP	Water Quality	Paskamanset River	[approximately 2500 feet downstream/south from Route 6 (State Road), Dartmouth]	41.633384	-70.986022

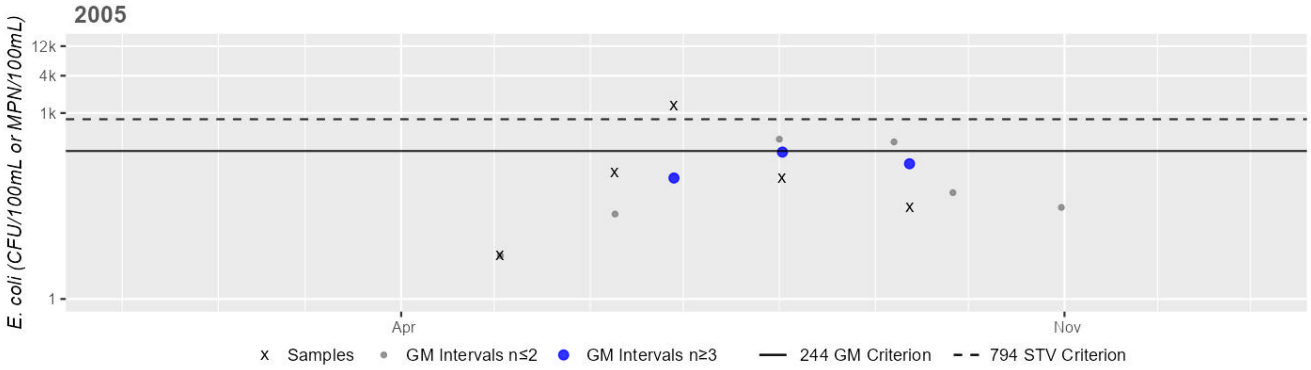
Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (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
W1376	MassDEP	E. coli	05/03/05	09/12/05	5	5	1300	71
W1377	MassDEP	E. coli	05/03/05	09/12/05	6	30	1600	168
W2404	MassDEP	E. coli	05/30/13	09/23/13	5	134	17330	772

Station MASSDEP_W1376 - Escherichia coli

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



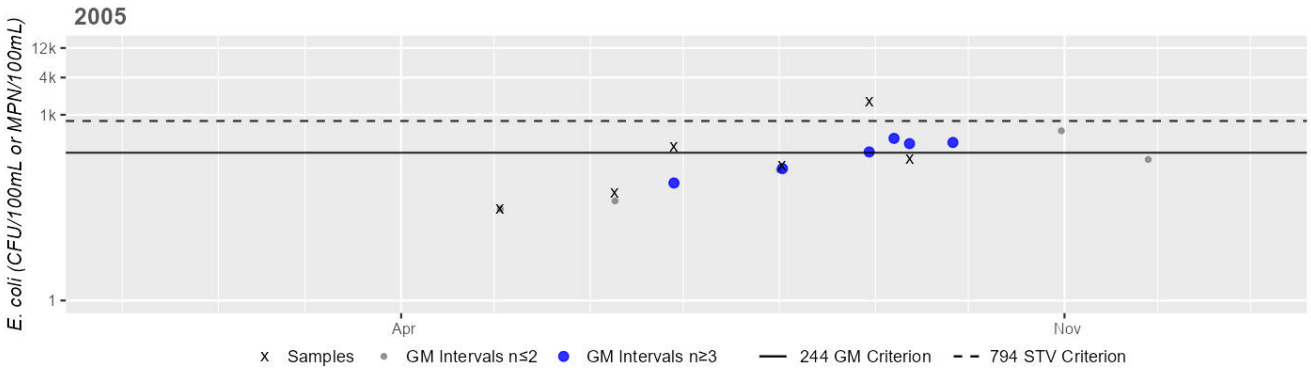
Variable*	Result
Samples	5
SeasGM	71
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1377 - Escherichia coli

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



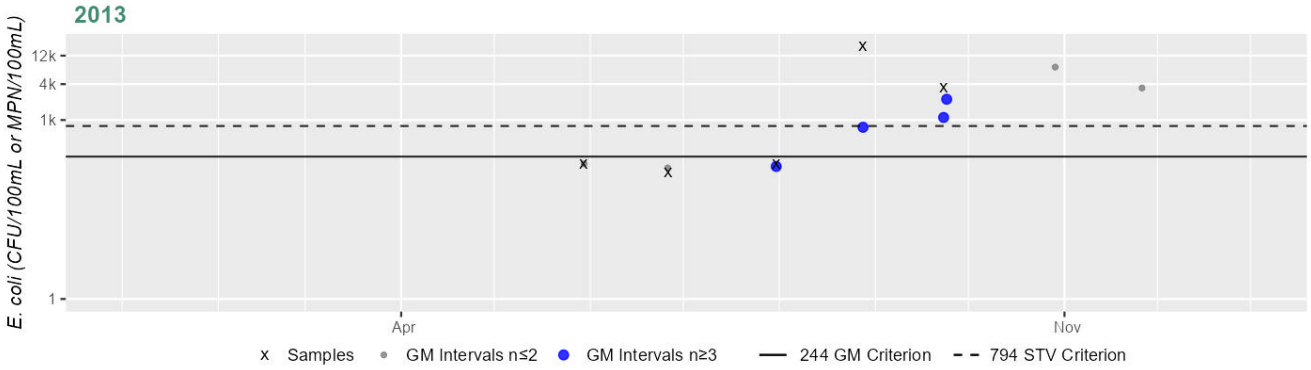
Variable*	Result
Samples	6
SeasGM	168
#GMI	6
#GMI Ex	4
%GMI Ex	66%
n>STV	1
%n>STV	16%

Cumulative %GMI Exceedance
Historic (1997-2010)
66%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2404 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	772
#GMI	4
#GMI Ex	3
%GMI Ex	75%
n>STV	2
%n>STV	40%

Cumulative %GMI Exceedance
Current (2011-2022)
75%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Phinneys Harbor (MA95-15)

Location:	From the confluence with the Back River, to the mouth at Buzzards Bay (demarcated by a line from the southeastern point of Mashnee Island to the northwestern point of Tobys Island), Bourne (includes the "north facing embayment of Tobys Island").
AU Type:	ESTUARY
AU Size:	0.72 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Estuarine Bioassessments	35069	Unchanged
4a	4a	Fecal Coliform	36172	Unchanged
4a	4a	Nitrogen, Total	35069	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (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 Phinneys Harbor (MA95-15) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Phinneys Harbor (MA95-15): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.6991 sq mi (97%). The approved shellfish growing area represents 0.3284 sq mi (45%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB46.0	Phinneys Harbor	Approved	0.32835	45.4%
BB46.1	Monument Beach	Conditionally Approved	0.10040	13.9%
BB46.3	Mashnee Road	Conditionally Approved	0.23687	32.7%
BB47.1	Back River	Conditionally Approved	0.03347	4.6%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Phinneys Harbor (MA95-15) 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 Phinneys Harbor (MA95-15) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Monument [Beach ID: 2656] beach in Bourne indicates that this beach was never posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.6991 sq mi) in this AU are less than 100% approved (0.3284 sq mi, 45%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Phinneys Harbor.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2656	Monument/ Bourne	41.71595, -70.61490	41.71366, -70.61720	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Phinneys Harbor (MA95-15): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.6991 sq mi (97%). The approved shellfish growing area represents 0.3284 sq mi (45%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Phinneys Harbor (MA95-15) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Monument [Beach ID: 2656] beach in Bourne indicates that this beach was never posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.6991 sq mi) in this AU are less than 100% approved (0.3284 sq mi, 45%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Phinneys Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Phinneys Harbor (MA95-15): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.6991 sq mi (97%). The approved shellfish growing area represents 0.3284 sq mi (45%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Pine Island Pond (MA95-114)

Location:	Mattapoisett.
AU Type:	ESTUARY
AU Size:	0.08 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
--	5	Fecal Coliform	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Pine Island Pond (MA95-114) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

Pine Island Pond (MA95-114): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0819 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications, a Fecal Coliform impairment is being added.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB25.0	Mattapoisett Harbor	Conditionally Approved	0.08193	97.5%
BB25.6	Angelica Avenue Creek	Prohibited	0.00000	0.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Pine Island Pond (MA95-114) is Not Assessed.

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 Pine Island Pond (MA95-114) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0819 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Pine Island Pond.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Pine Island Pond (MA95-114): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0819 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Pine Island Pond (MA95-114) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0819 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Pine Island Pond.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Pine Island Pond (MA95-114): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0819 sq mi (98%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Pocasset Harbor (MA95-17)

Location:	From the confluence with Red Brook Harbor near the northern portion of Bassetts Island and Patuisset, Bourne to the mouth at Outer Pocasset Harbor between the western portion of Bassetts Island and Wings Neck, Bourne.
AU Type:	ESTUARY
AU Size:	0.33 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nitrogen, Total	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	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 Pocasset Harbor (MA95-17) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Pocasset Harbor (MA95-17): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.3217 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB49.0	Pocasset And Red Brook Harbor	Conditionally Approved	0.19654	59.1%
BB49.3	Pocasset Harbor	Conditionally Approved	0.12284	36.9%
BB49.4	Wings Neck Creek	Prohibited	0.00230	0.7%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Pocasset Harbor (MA95-17) 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 Pocasset Harbor (MA95-17) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Pocasset Harbor has 2 beaches with MDPH Beach Closure data: Barlows Landing [Beach ID: 2658] and Wings Neck Trust Association (South Beach) [Beach ID: 2653] beaches in Bourne. All beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.3217 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Pocasset Harbor.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2658	Barlows Landing/ Bourne	41.69181, -70.62650	41.69092, -70.62650	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
2653	Wings Neck Trust Association (South Beach)/ Bourne	41.68477, -70.64350	41.68345, -70.64340	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Pocasset Harbor (MA95-17): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.3217 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Pocasset Harbor (MA95-17) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Pocasset Harbor has 2 beaches with MDPH Beach Closure data: Barlows Landing [Beach ID: 2658] and Wings Neck Trust Association (South Beach) [Beach ID: 2653] beaches in Bourne. All beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.3217 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Pocasset Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Pocasset Harbor (MA95-17): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.3217 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Pocasset River (MA95-16)

Location:	From the outlet of Mill Pond, Bourne to the mouth at Buzzards Bay, Bourne.
AU Type:	ESTUARY
AU Size:	0.05 SQUARE MILES
Classification/Qualifier:	SA: ORW, SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	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 Pocasset River (MA95-16) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Pocasset River (MA95-16): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0407 sq mi (77%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0405 sq mi (77%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB46.2	Little Bay	Conditionally Approved	0.00019	0.4%
BB48.0	Pocasset River	Prohibited	0.04055	76.9%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Pocasset River (MA95-16) 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 Pocasset River (MA95-16) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Tahanto Associates, Inc. beach [Beach ID: 2651] in Bourne indicated that this beach was never posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.0407 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Pocasset River.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2651	Tahanto Associates, Inc./ Bourne	41.69918, -70.62260	41.70009, -70.62190	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Pocasset River (MA95-16): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0407 sq mi (77%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for the Pocasset River (MA95-16) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Tahanto Associates, Inc. beach [Beach ID: 2651] in Bourne indicated that this beach was never posted for swimming from 2018-2022. In addition the shellfish growing areas (0.0407 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Pocasset River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Pocasset River (MA95-16): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0407 sq mi (77%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Queen Sewell Pond (MA95180)

Location:	Bourne (formerly reported as 2000 segment: Queen Sewell Pond MA96253).
AU Type:	FRESHWATER LAKE
AU Size:	18 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Harmful Algal Blooms	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Harmful Algal Blooms	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 Queen Sewell Pond (MA95180) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Queen Sewell Pond (MA95180) continues to be assessed as Not Supporting, with the prior Harmful Algal Blooms impairment being carried forward, since extended blooms were reported to MDPH in 2021. During the period 2015 through 2022, C-HAB postings for Queen Sewell Pond were reported to MDPH based on visual observations for 29 days in 2021 and no blooms were reported in other years. Since extended blooms (>20 days in a yr) were reported in a recent year this is reflective of the existing Harmful Algal Bloom impairment for Queen Sewell Pond.

Algal Bloom Information

Cyanobacteria Harmful Algal Bloom (C-HAB) Summary Statements for 2015-2022 MDPH Data (Bailey, Logan April 26, 2023) (MassDEP Undated 2)

C-HAB Summary Statement
During the period 2015 through 2022, C-HAB postings for Queen Sewell Pond (MA95180) were reported to MDPH based on visual observations for 29 days in 2021. No blooms were reported in other years. Since blooms were reported in a recent year, a prior Harmful Algal Bloom impairment is being carried forward and the Aesthetics Use and Primary/Secondary Contact Recreational Uses continue to be assessed as Not Supporting.

Cyanobacteria Harmful Algal Bloom (C-HAB) Data (2015-2022) Provided by MDPH (Bailey, Logan April 26, 2023) (MassDEP Undated 2)

[* 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
Queen Sewell Pond	Bourne							29	

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for Queen Sewell Pond (MA95180) continues to be assessed as Not Supporting. The prior Harmful Algal Blooms impairment is being carried forward since extended blooms were reported to MDPH in 2021. During the period 2015 through 2022, C-HAB postings for Queen Sewell Pond were reported to MDPH based on visual observations for 29 days in 2021 and no blooms were reported in other years. Since extended blooms (>20 days in a yr) were reported in a recent year, a prior Harmful Algal Bloom impairment is being carried forward and the C-HAB data continues to be indicative of a Harmful Algal Bloom impairment.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Queen Sewell Pond (MA95180) continues to be assessed as Not Supporting. The prior Harmful Algal Blooms impairment is being carried forward since extended blooms were reported to MDPH in 2021. During the period 2015 through 2022, C-HAB postings for Queen Sewell Pond were reported to MDPH based on visual observations for 29 days in 2021 and no blooms were reported in other years. Since extended blooms (>20 days in a yr) were reported in a recent year, a prior Harmful Algal Bloom impairment is being carried forward and the C-HAB data continues to be indicative of a Harmful Algal Bloom impairment.

Quissett Harbor (MA95-25)

Location:	The semi-enclosed body of water landward of a line drawn between The Knob and Gansett Point, Falmouth.
AU Type:	ESTUARY
AU Size:	0.17 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Estuarine Bioassessments	R1_MA_2018_03	Unchanged
4a	4a	Fecal Coliform	36172	Unchanged
4a	4a	Nitrogen, Total	R1_MA_2018_03	Unchanged
4a	4a	Nutrient/Eutrophication Biological Indicators	R1_MA_2018_03	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Golf Courses (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Residential Districts (Y)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Golf Courses (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Nitrogen, Total	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nitrogen, Total	Residential Districts (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Golf Courses (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Residential Districts (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 Quissett Harbor (MA95-25) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert

Not Supporting	NO

2024/26 Use Attainment Summary
Quissett Harbor (MA95-25): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1644 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB58.2	Quisset Harbor Mooring Area	Conditionally Approved	0.16440	96.6%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Quissett Harbor (MA95-25) is Not Assessed.

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 Quissett Harbor (MA95-25) so it is assessed as having Insufficient Information. The shellfish growing areas (0.1644 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Quissett Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Quissett Harbor (MA95-25): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1644 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Quissett Harbor (MA95-25) so it is assessed as having Insufficient Information. The shellfish growing areas (0.1644 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Quissett Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Quissett Harbor (MA95-25): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1644 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Rands Harbor (MA95-78)

Location:	harbor south off Megansett Harbor, Falmouth.
AU Type:	ESTUARY
AU Size:	0.02 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	4a	Estuarine Bioassessments	R1_EPA_MA_01	Unchanged
5	4a	Fecal Coliform	R1_MA_2024_04	Changed
5	4a	Nitrogen, Total	R1_EPA_MA_01	Unchanged
5	4a	Nutrient/Eutrophication Biological Indicators	R1_EPA_MA_01	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Golf Courses (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Residential Districts (Y)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Golf Courses (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Nitrogen, Total	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nitrogen, Total	Residential Districts (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Golf Courses (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Residential Districts (Y)	X	--	--	--	--	--

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
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 Rands Harbor (MA95-78) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Rands Harbor (MA95-78): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0143 sq mi (82%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB50.0	Megansett Harbor	Approved	0.00000	0.0%
BB50.2	Rands Canal	Conditionally Approved	0.01426	82.2%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Rands Harbor (MA95-78) is Not Assessed.

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 Rands Harbor (MA95-78) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0143 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Rands Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Rands Harbor (MA95-78): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0143 sq mi (82%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Rands Harbor (MA95-78) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0143 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Rands Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Rands Harbor (MA95-78): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0143 sq mi (82%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Red Brook (MA95-112)

Location:	Estuarine portion upstream of Bartlett Road, Wareham/Plymouth to mouth at confluence with Buttermilk Bay, Wareham/Bourne.
AU Type:	ESTUARY
AU Size:	0.003 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
--	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 Red Brook (MA95-112) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Red Brook (MA95-112): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0023 sq mi (73%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0023 sq mi (73%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB44.4	Red Brook	Prohibited	0.00231	72.8%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Red Brook (MA95-112) is Not Assessed.

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 Red Brook (MA95-112) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0023 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Red Brook.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Red Brook (MA95-112): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0023 sq mi (73%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Red Brook (MA95-112) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0023 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Red Brook.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

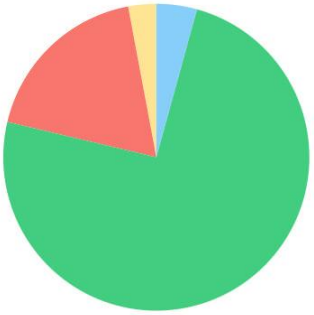
Summary
Red Brook (MA95-112): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0023 sq mi (73%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Red Brook (MA95-74)

Location:	Headwaters, outlet cranberry bogs east of Bartlett Pond, Wareham to estuarine portion just upstream of Red Brook Road, Wareham/Plymouth.
AU Type:	RIVER
AU Size:	2.8 MILES
Classification/Qualifier:	B

Red Brook (MA95-74)

Watershed Area: 9.82 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	9.82	4.38	3.60	1.57
Agriculture	3%	3.6%	7.3%	8.5%
Developed	18.4%	12.4%	12.5%	10.9%
Natural	74.4%	76.6%	71.3%	65.6%
Wetland	4.3%	7.3%	8.8%	15.1%
Impervious	7.3%	4.4%	5.5%	4.2%

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 Red Brook (MA95-74) 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 Red Brook (MA95-74) is Not Assessed.

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 Red Brook (MA95-74) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. The Buzzards Bay Coalition (BBC) collected Secchi depth data close to the downstream end of this Red Brook AU at BBC_RBR2 [Red Brook River, Plymouth/Wareham] in 2016. At station BBC_RBR2 (station depth=0.45 m) the Secchi depth (n=1) was measured to be 0.35 m on Jul 05, 2016, with this 1 measurement being less than the 1.2 m (4 ft) threshold; however, these data were too limited (n <3) to evaluate water clarity.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2016	In Red Brook (MA95-74), Buzzards Bay Coalition (BBC) collected Secchi data at BBC_RBR2 [41.766773, -70.635237, Red Brook River, Plymouth/Wareham] in 2016. At station BBC_RBR2 (station depth=0.45 m) the Secchi depth (n=1) was measured to be 0.35 m on Jul 05, 2016, with this 1 measurement being less than the 1.2 m (4 ft) threshold.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Red Brook (MA95-74) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Red Brook Harbor (MA95-18)

Location:	From the confluence with Pocasset Harbor between the northern portion of Bassetts Island and Patuisset, Bourne to the mouth at Outer Pocasset Harbor between the southern portion of Bassetts Island and Scraggy Neck, Bourne (including Hen Cove).
AU Type:	ESTUARY
AU Size:	0.92 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nutrient/Eutrophication Biological Indicators	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 Red Brook Harbor (MA95-18) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Red Brook Harbor (MA95-18): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.8797 sq mi (96%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB49.0	Pocasset And Red Brook Harbor	Conditionally Approved	0.64953	70.8%
BB49.1	Red Brook Harbor	Conditionally Approved	0.20246	22.1%
BB49.2	Kingman Yacht Center	Prohibited	0.01587	1.7%
BB49.5	Hen Cove	Prohibited	0.01184	1.3%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Red Brook Harbor (MA95-18) 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 Red Brook Harbor (MA95-18) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH contractors conducted surface water sampling at Hen Cove (part of DEP AU, Red Brook Harbor, MA95-18) in Bourne in May 2021 as part of a pilot study assessing 40 PFAS analytes in surface water and fish tissue samples collected from waterbodies on Cape Cod. In this study, MDPH evaluated four PFAS compounds (PFHxS, PFNA, PFOA, PFOS) individually against a candidate Surface Water Action Level (cSWAL) of 23 ng/L (ppt). All four compounds had concentrations less than the cSWAL, with the maximum being 3.48 ng/L of PFOS. MDPH Beach Closure data for Cedar Point Association beach [Beach ID: 2662], Patuisset Beach [Beach ID: 5215] and Pocasset Improvement Association beach [Beach ID: 2659] in Bourne indicated that none of these beaches were posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.8797 sq mi) in this AU are less than 100% approved (0 sq mi, 0%). The shellfish classification data were too limited to assess the Primary Contact Recreation Use of Red Brook Harbor.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2659	Pocasset Beach Improvement Association/ Bourne	41.68646, -70.62260	41.68671, -70.62040	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
2662	Cedar Point Association/ Bourne	41.68170, -70.62020	41.68104, -70.62010	4%	0%	0%	0%	0%	0%	0%	0%	0%	0
5215	Patuisset Beach/ Bourne	41.68240, -70.62480	41.68200, -70.62490	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Red Brook Harbor (MA95-18): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.8797 sq mi (96%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Other Indicators

Summary of MDPH 2021 and 2022 PFAS in Water Column Data

Data Sources: (Nascarella 2021, MA DPH 2021)

MDPH contractors conducted surface water sampling at Hen Cove (part of DEP AU, Red Brook Harbor, MA95-18) in Bourne in May 2021 as part of a pilot study assessing 40 PFAS analytes in surface water and fish tissue samples collected from waterbodies on Cape Cod. In this study, DPH evaluated four PFAS compounds (PFHxS, PFNA, PFOA, PFOS) individually against a candidate Surface Water Action Level (cSWAL) of 23 ng/L (ppt). All four compounds had concentrations less than the cSWAL, with the maximum being 3.48 ng/L of PFOS.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Red Brook Harbor (MA95-18) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Red Brook Harbor has 3 beaches with MDPH Beach Closure data: Cedar Point Association [Beach ID: 2662], Patuisset Beach [Beach ID: 5215] and Pocasset Improvement Association [Beach ID: 2659] beaches in Bourne. None of these beaches were posted for swimming from 2018-2022. The shellfish growing areas (0.8797 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Red Brook Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Red Brook Harbor (MA95-18): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.8797 sq mi (96%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Red Brook Pond (MA95-96256)

Location:	Bourne.
AU Type:	FRESHWATER LAKE
AU Size:	16 ACRES
Classification/Qualifier:	B

No usable data were available for Red Brook Pond (MA95-96256) 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	(Fish Passage Barrier*)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Habitat Modification - other than Hydromodification (Y)	X	--	--	--	--

Rocky Meadow Brook Pond (MA95118)

Location:	Carver.
AU Type:	FRESHWATER LAKE
AU Size:	11 ACRES
Classification/Qualifier:	B

No usable data were available for Rocky Meadow Brook Pond (MA95118) 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

Rocky Pond (MA95179)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	20 ACRES
Classification/Qualifier:	B

No usable data were available for Rocky Pond (MA95179) 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

Round Pond (MA95123)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	20 ACRES
Classification/Qualifier:	B

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 Round Pond (MA95123) 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 Round Pond (MA95123) is Not Assessed.

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 Round Pond (MA95123) and available other indicators for this AU did not result in any impairment, so it is assessed as having Insufficient Information. The Town of Plymouth (PLY) collected Secchi depth data at PLY_Round_DeepHole [Deep spot] from 2014-2015 and in 2017. While Secchi depth data were too limited (n <3) to evaluate water clarity using data from PLY_Round_DeepHole (station depth=8 m) in 2014 (n=1, 3.65m), Secchi depth data indicated water clarity meeting the 1.2m (4ft) threshold at PLY_Round_DeepHole (station depth=6 m) in 2015 (n=3, 3.12-5.7m) and PLY_Round_DeepHole (station depth=7.2 m) in 2017 (n=5, 4.85-7.2m).

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2014-2015, 2017	In Round Pond (MA95123), the Town of Plymouth (PLY) collected Secchi data at PLY_Round_DeepHole [41.85295, -70.604117, Deep spot] from 2014-2015 and in 2017. In 2014 at station PLY_Round_DeepHole (station depth=8 m) the Secchi depth (n=1) was measured to be 3.65 m on Sep 10, 2014, in 2015 at station PLY_Round_DeepHole (station depth=6 m) the Secchi depth measurements ranged from 3.12-5.7 m (n=3) and in 2017 at station PLY_Round_DeepHole (station depth=7.2 m) the Secchi depth measurements ranged from 4.85-7.2 m (n=5). Secchi depth measurements indicated water clarity met the 1.2 m (4 ft) threshold in all three data years.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Round Pond (MA95123) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Salters Point Pond (MA95-106)

Location:	west of Naushon Avenue, Dartmouth.
AU Type:	ESTUARY
AU Size:	0.08 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Nitrogen, Total	--	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Agriculture (N)	X	--	--	--	--	--
Dissolved Oxygen	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (N)	X	--	--	--	--	--
Dissolved Oxygen	Residential Districts (N)	X	--	--	--	--	--
Nitrogen, Total	Agriculture (N)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (N)	X	--	--	--	--	--
Nitrogen, Total	Residential Districts (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Agriculture (N)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Residential Districts (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 Salters Point Pond (MA95-106) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
Salters Point Pond (MA95-106): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0654 sq mi (81%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0654 sq mi (81%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB10.2	Salters Point Outfall Closure Area	Prohibited	0.06541	80.9%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Salters Point Pond (MA95-106) is Not Assessed.

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 Salters Point Pond (MA95-106) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0654 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Salters Point Pond.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Salters Point Pond (MA95-106): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0654 sq mi (81%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Salters Point Pond (MA95-106) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0654 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Salters Point Pond.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Salters Point Pond (MA95-106): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0654 sq mi (81%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Sampson Pond (MA95125)

Location:	Carver.
AU Type:	FRESHWATER LAKE
AU Size:	295 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Asian Clam*)	--	Unchanged
5	5	(Fanwort*)	--	Unchanged
5	5	(Non-Native Aquatic Plants*)	--	Unchanged
5	5	(Swollen Bladderwort*)	--	Unchanged
5	5	DDT in Fish Tissue	--	Unchanged
5	5	Mercury in Fish Tissue	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Asian Clam*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Fanwort*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Non-Native Aquatic Plants*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Swollen Bladderwort*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
DDT in Fish Tissue	Source Unknown (N)	--	X	--	--	--
Mercury in Fish Tissue	Source Unknown (N)	--	X	--	--	--

Recommendations

2024/26 Recommendations
2016IR [Algae, Medium] Observations of Algal growth and coverage should be collected for Sampson Pond (MA95125) at station {W1402} and shoreline areas, to determine if Algal growth is impairing the Aesthetics Use. Observation of an “Algal Bloom” was noted by MassDEP staff at the deep hole in the northwestern basin of the pond {W1402} during a September 2005 survey. This is of medium priority.

Designated Use Attainment Decisions

Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Fish Consumption Use for Sampson Pond (MA95125) continues to be assessed as Not Supporting and the prior DDT in Fish Tissue and Mercury in Fish Tissue impairment is being carried forward. MDPH included a site-specific advisory for Sampson Pond (referred to by MDPH as ''Sampsons Pond'') in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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 Sampson Pond (MA95125), so it is Not Assessed. The prior Alert identified for Algae is being carried forward. This Alert was based on the observation of an "Algal Bloom" noted by MassDEP staff at the deep hole in the northwestern basin of the pond, during a September 2005 survey (MassDEP Undated 8). Recommendations will be made for additional sampling to confirm if algal growth is still a concern for Sampson Pond.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Sampson Pond (MA95125) are available, so the Primary Contact Recreation Use is Not Assessed. The prior Alert identified for Algae is being removed from the Recreational Uses but continues to be maintained under the Aesthetics Use.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Sampson Pond (MA95125) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed. The prior Alert identified for Algae is being removed from the Recreational Uses but continues to be maintained under the Aesthetics Use.

Sand Pond (MA95127)

Location:	Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	14 ACRES
Classification/Qualifier:	A: PWS, ORW

No usable data were available for Sand Pond (MA95127) 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

Sandy Pond (MA95128)

Location:	Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	15 ACRES
Classification/Qualifier:	B

No usable data were available for Sandy Pond (MA95128) 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

Shell Point Bay (MA95-94)

Location:	Wareham.
AU Type:	ESTUARY
AU Size:	0.18 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Fecal Coliform	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Shell Point Bay (MA95-94) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

Shell Point Bay (MA95-94): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1754 sq mi (99%). The approved shellfish growing area represents 0.0001 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB40.0	Onset Bay	Approved	0.00008	0.0%
BB41.0	Sunset Cove	Conditionally Approved	0.13508	75.9%
BB41.2	Sunset Cove	Conditionally Approved	0.04022	22.6%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Shell Point Bay (MA95-94) 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 Shell Point Bay (MA95-94) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Shell Point beach [Beach ID: 3192] in Wareham indicated that this beach was rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.1754 sq mi) in this AU are less than 100% approved (0.0001 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Shell Point Bay.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
3192	Shell Point/ Wareham	41.74132, -70.66580	41.73844, -70.66390	3%	0%	0%	0%	0%	0%	0%	0%	1%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Shell Point Bay (MA95-94): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1754 sq mi (99%). The approved shellfish growing area represents 0.0001 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Shell Point Bay (MA95-94) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Shell Point beach [Beach ID: 3192] in Wareham indicated that this beach was rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.1754 sq mi) in this AU are less than 100% approved (0.0001 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Shell Point Bay.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

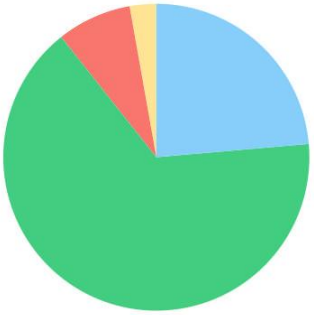
Summary
Shell Point Bay (MA95-94): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1754 sq mi (99%). The approved shellfish growing area represents 0.0001 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Shingle Island River (MA95-12)

Location:	Outlet of small unnamed pond northeast of Flag Swamp Road, Dartmouth to mouth at inlet Noquochoke Lake (north basin), Dartmouth.
AU Type:	RIVER
AU Size:	5 MILES
Classification/Qualifier:	A: PWS, ORW (Tributary)

Shingle Island River (MA95-12)

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	8.04	9.23	3.23
Agriculture	2.8%	4.1%	3.2%	3.4%
Developed	7.9%	12.7%	5.6%	8.8%
Natural	65.7%	54.7%	55.4%	46.7%
Wetland	23.6%	28.5%	35.8%	41.2%
Impervious	2.8%	4.6%	2.1%	3.5%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	4a	Enterococcus	R1_MA_2024_04	Changed

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

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Enterococcus	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 Shingle Island River (MA95-12) 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 Shingle Island River (MA95-12) 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 Shingle Island River (MA95-12) continues to be assessed as Not Supporting, with the prior *Enterococcus* impairment being carried forward. UMass - Dartmouth (UMassD) staff/volunteers collected *Enterococcus* bacteria samples at the upstream end of the Shingle Island River at UMassD_6 [~338-457 Flag Swamp Rd, N. Dartmouth] from Jun-Sep 2019 (n=16). Analysis of the single year high frequency *Enterococcus* dataset from this station indicated 3% of intervals had GMs >35 CFU/100ml and 12% of samples exceeded the 130 CFU/100ml STV, which meets 2024 CALM guidance.

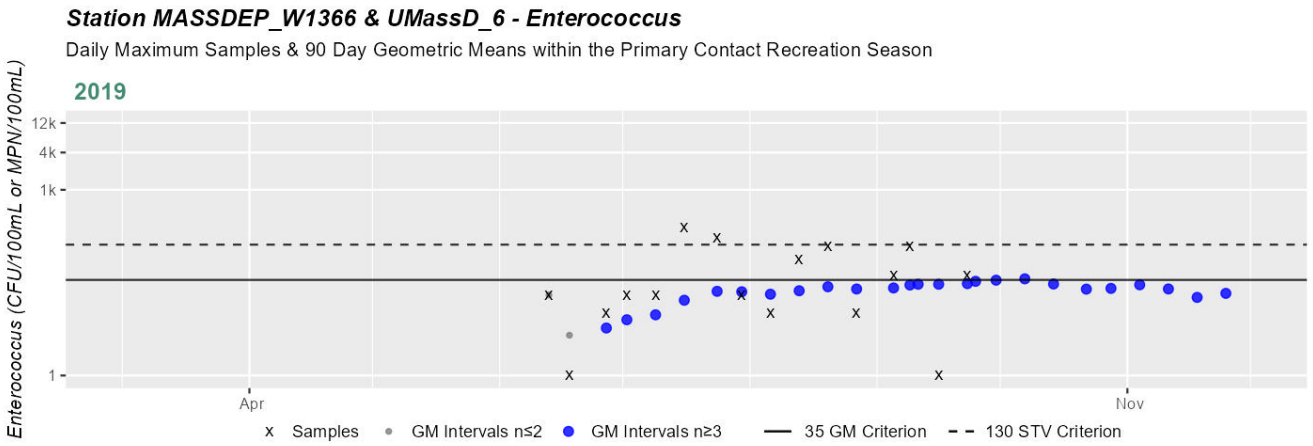
Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
UMassD_6	UMass - Dartmouth	Water Quality	Shingle Island River	~338-457 Flag Swamp Road, N. Dartmouth.	41.709565	-71.004300

Bacteria Data

Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)
(UMass-Dartmouth 2019) (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
UMassD_6	Umass - Dartmouth	Enterococci	06/13/19	09/23/19	16	1	246	23



Variable*	Result
Samples	16
SeasGM	23
#GMI	26
#GMI Ex	1
%GMI Ex	3%
n>STV	2
%n>STV	12%

Cumulative %GMI Exceedance
Current (2011-2022)
3%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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 Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for the Shingle Island River (MA95-12) 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 the Shingle Island River in 2005 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: the upstream end of the AU at W1366 [Flag Swamp Rd, Dartmouth] from May-Sep 2005 (n=5) and three-quarters of the way down the AU at W1367 [Hixville Rd, Dartmouth] from May-Sep 2005 (n=5). Analysis of the historic single year limited frequency *E. coli* datasets from W1366 & W1367 indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM's were 18 & 99 CFU/100ml respectively, which meets 2024 CALM guidance. However, 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
W1366	MassDEP	Water Quality	Shingle Island River	[Flag Swamp Road, Dartmouth]	41.709439	-71.004459
W1367	MassDEP	Water Quality	Shingle Island River	[Hixville Road, Dartmouth]	41.669951	-71.025121

Bacteria Data

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

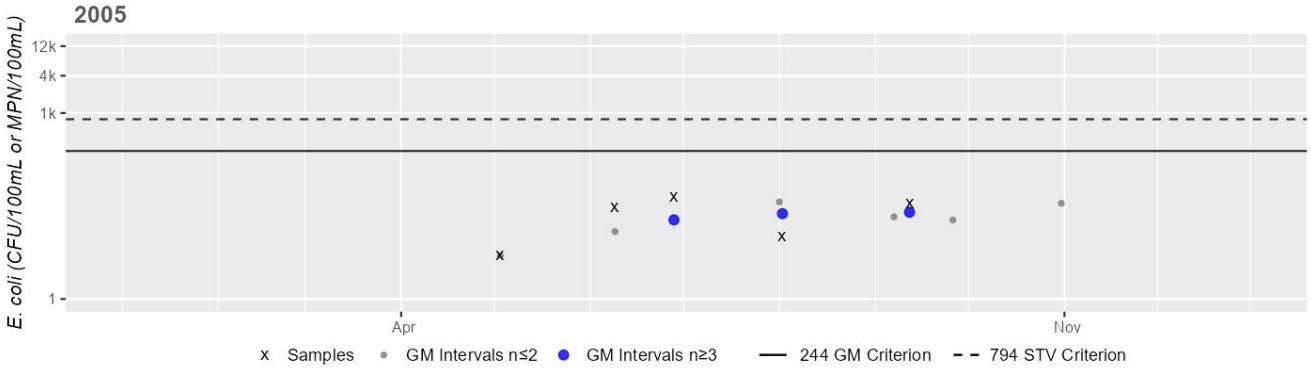
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1366	MassDEP	E. coli	05/03/05	09/12/05	5	5	45	18
W1367	MassDEP	E. coli	05/03/05	09/12/05	5	20	440	99

Station MASSDEP_W1366 - Escherichia coli

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



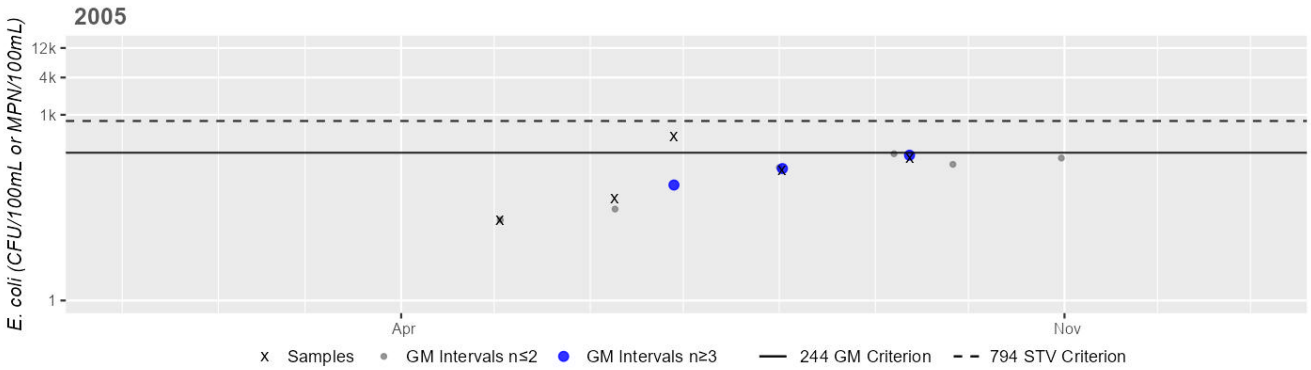
Variable*	Result
Samples	5
SeasGM	18
#GMI	3
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1367 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	99
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Sippican Harbor (MA95-100)

Location:	Blanketship Cove and Planting Island Cove, in the northeast corner of Sippican Harbor, Marion.
AU Type:	ESTUARY
AU Size:	0.29 SQUARE MILES
Classification/Qualifier:	SA: SFO

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 Sippican Harbor (MA95-100) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
Sippican Harbor (MA95-100): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2839 sq mi (97%). The approved shellfish growing area represents 0.2839 sq mi (97%). The Shellfish Harvesting Use is assessed as Fully Supporting because the growing area (normalized to the AU area) is classified as 100% approved.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB32.0	Sippican Outer Harbor	Approved	0.28386	97.4%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Sippican Harbor (MA95-100) 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 Sippican Harbor (MA95-100) continues to be assessed as Fully Supporting. The shellfish growing areas (0.2839 sq mi) in this AU are 100% approved and are indicative of Fully Supporting conditions for the Primary Contact Recreation Use of Sippican Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Sippican Harbor (MA95-100): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2839 sq mi (97%). The approved shellfish growing area represents 0.2839 sq mi (97%). The Primary Contact Recreational Use is assessed as fully supporting because the growing area (normalized to the AU area) is classified as 100% approved, unless other data are available that contradict this use attainment decision.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for Sippican Harbor (MA95-100) continues to be assessed as Fully Supporting. The shellfish growing areas (0.2839 sq mi) in this AU are 100% approved and are indicative of Fully Supporting conditions for the Secondary Contact Recreation Use of Sippican Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Sippican Harbor (MA95-100): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2839 sq mi (97%). The approved shellfish growing area represents 0.2839 sq mi (97%). The Secondary Contact Recreational use is assessed as fully supporting because the growing area (normalized to the AU area) is classified as 100% approved, unless other data are available that contradict this use attainment decision.

Sippican Harbor (MA95-69)

Location:	The waters between a line demarcating the mouth of the harbor (from Converse Point to Butler Point, Marion) and a line from Allens Point, Marion around the southeastern tip of Ram Island, then westerly from the southern tip of Ram Island, to the point of land south of Nyes Wharf, Marion excluding Blanketship Cove and Planting Island Cove (formerly part of 2006 segment: Sippican Harbor MA95-08).
AU Type:	ESTUARY
AU Size:	1.94 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	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 Sippican Harbor (MA95-69) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
Sippican Harbor (MA95-69): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.9166 sq mi (99%). The approved shellfish growing area represents 1.9165 sq mi (99%). The Shellfish Harvesting Use is assessed as Fully Supporting because the growing area (normalized to the AU area) is classified as 100% approved.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB28.0	North Buzzards Bay	Approved	0.00181	0.1%
BB32.0	Sippican Outer Harbor	Approved	1.91470	98.5%
BB32.4	Jobs Cove	Prohibited	0.00006	0.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Sippican Harbor (MA95-69) 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 Sippican Harbor (MA95-69) continues to be assessed as Fully Supporting based on MDPH Beach Closure data and shellfish growing area data. Sippican Harbor has 3 beaches with MDPH Beach Closure data: Converse Point [Beach ID: 2945], Planting Island [Beach ID: 2948] and Silver Shell [Beach ID: 2949] beaches in Marion. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (1.9166 sq mi) in this AU are 100% approved and are indicative of Fully Supporting conditions for the Primary Contact Recreation Use of Sippican Harbor.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2945	Converse Point/ Marion	41.67309, -70.74480	41.67280, -70.74460	0%	0%	1%	0%	0%	0%	0%	0%	2%	0
2948	Planting Island/ Marion	41.68924, -70.73330	41.68853, -70.73000	0%	0%	0%	6%	0%	0%	0%	0%	0%	0
2949	Silver Shell/ Marion	41.69564, -70.75590	41.69346, -70.75610	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Sippican Harbor (MA95-69): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.9166 sq mi (99%). The approved shellfish growing area represents 1.9165 sq mi (99%). The Primary Contact Recreational Use is assessed as fully supporting because the growing area (normalized to the AU area) is classified as 100% approved, unless other data are available that contradict this use attainment decision.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Sippican Harbor (MA95-69) continues to be assessed as Fully Supporting based on MDPH Beach Closure data and shellfish growing area data. Sippican Harbor has 3 beaches with MDPH Beach Closure data: Converse Point [Beach ID: 2945], Planting Island [Beach ID: 2948] and Silver Shell [Beach ID: 2949] beaches in Marion. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (1.9166 sq mi) in this AU are 100% approved and are indicative of Fully Supporting conditions for the Secondary Contact Recreation Use of Sippican Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

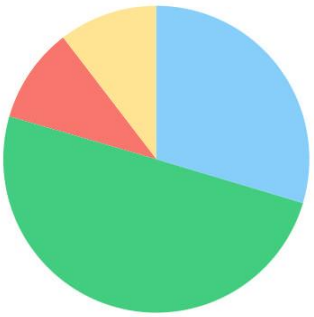
Summary
Sippican Harbor (MA95-69): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.9166 sq mi (99%). The approved shellfish growing area represents 1.9165 sq mi (99%). The Secondary Contact Recreational use is assessed as fully supporting because the growing area (normalized to the AU area) is classified as 100% approved, unless other data are available that contradict this use attainment decision.

Sippican River (MA95-06)

Location:	Headwaters, outlet Leonards Pond, Rochester to County Road, Marion/Wareham.
AU Type:	RIVER
AU Size:	3 MILES
Classification/Qualifier:	B: WWF, HQW

Sippican River (MA95-06)

Watershed Area: 28.11 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	28.11	13.55	10.97	5.62
Agriculture	10.4%	11.3%	19.3%	19.4%
Developed	10.1%	9.7%	7.8%	6.9%
Natural	49.9%	51%	43.8%	45.5%
Wetland	29.6%	28.1%	29.1%	28.2%
Impervious	3.7%	3.6%	2.3%	2.1%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Chlorophyll-a	--	Unchanged
5	5	Dissolved Oxygen	--	Unchanged
5	5	Enterococcus	R1_MA_2024_04	Changed
5	5	Transparency / Clarity	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Chlorophyll-a	Dam or Impoundment (N)	X	--	--	--	--
Chlorophyll-a	Source Unknown (N)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--

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

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Enterococcus	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 Sippican River (MA95-06) 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 Sippican River (MA95-06) 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 Sippican River (MA95-06) continues to be assessed as Not Supporting, with the prior *Enterococcus* impairment being carried forward. A Transparency / Clarity impairment is being added due to Secchi depth data not meeting the threshold at 1 station in 2021. The Buzzards Bay Coalition (BBC) collected Secchi depth data at the upstream end of this Sippican River AU at BBC_HP1 [Sippican River, Rochester] in 2018-2019 and 2021 and halfway down the AU at BBC_HP3 [Hathaway Pond, Rochester] in 2016, 2018-2019, and 2021. In 2021 at station BBC_HP3 (station depth=0.95 m) the Secchi depth measurements ranged from 0.75-0.8 m (n=2), with both these measurements being less than the 1.2 m (4 ft) threshold, which is indicative of a Transparency / Clarity impairment. Secchi depth data were too limited (n <3) to evaluate water clarity using data from BBC_HP1 in 2018 (n=1, 0.5m), 2019 (n=1, 0.5m), and 2021 (n=1, 0.6m) and BBC_HP3 in 2016 (n=1, 0.5m), 2018 (n=1, 0.6m), and 2019 (n=1, 0.7m), although these measurements are also less than the 1.2 m (4 ft) threshold.

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data (MassDEP Undated 3)

Data Year(s)	Summary
2016, 2018-2019, 2021	In this Sippican River AU (MA95-06), Buzzards Bay Coalition (BBC) collected Secchi data at BBC_HP1 [41.747371, -70.803695, Sippican River, Rochester] from 2018-2019 and in 2021, and at BBC_HP3 [41.733924, -70.794137, Hathaway Pond, Rochester] in 2016, from 2018-2019 and in 2021. In 2018 at station BBC_HP1 (station depth=0.8 m) the Secchi depth (n=1) was measured to be 0.5 m on Aug 15, 2018 (less than the 1.2 m (4 ft) threshold). In 2019 at station BBC_HP1 (station depth=0.6 m) the Secchi depth (n=1) was measured to be 0.5 m on Jul 26, 2019 (less than the 1.2 m (4 ft) threshold). In 2021 at station BBC_HP1 (station depth=0.9 m) the Secchi depth (n=1) was measured to be 0.6 m on Jun 02, 2021 (less than the 1.2 m (4 ft) threshold). In 2016 at station BBC_HP3 (station depth=0.6 m) the Secchi depth (n=1) was measured to be 0.5 m on Aug 15, 2016 (less than the 1.2 m (4 ft) threshold). In 2018 at station BBC_HP3 (station depth=0.75 m) the Secchi depth (n=1) was measured to be 0.6 m on Aug 21, 2018 (less than the 1.2 m (4 ft) threshold). In 2019 at station BBC_HP3 (station depth=0.8 m) the Secchi depth (n=1) was measured to be 0.7 m on Aug 08, 2019 (less than the 1.2 m (4 ft) threshold). In 2021 at station BBC_HP3 (station depth=0.95 m) the Secchi depth measurements ranged from 0.75-0.8 m (n=2) with both these measurements being less than the 1.2 m (4 ft) threshold. The Secchi depth measurements are indicative of a Transparency / Clarity impairment due to conditions at BBC_HP3 in 2021.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary

No bacteria or other indicator data for the Sippican River (MA95-06) 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 at the downstream end of this Sippican River AU at W1387 [upstream at County Rd, Marion] from May-Sep 2005 (n=6). Analysis of the historic single year limited frequency *E. coli* dataset from W1387 indicated that while only 16% of intervals had GMs >244 CFU/100ml and the overall GM was 59 CFU/100ml, 1 sample exceeded the 794 CFU/100ml STV (1,600 CFU). Historic *E. coli* data from W1387 are inconclusive according to the 2024 CALM to assess the Secondary Contact Recreation Use because this single year, limited frequency dataset included both a GM below the threshold and an exceedance of the STV threshold. In addition, 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
W1387	MassDEP	Water Quality	Sippican River	[upstream at County Road, Marion]	41.734259	-70.774986

Bacteria Data

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

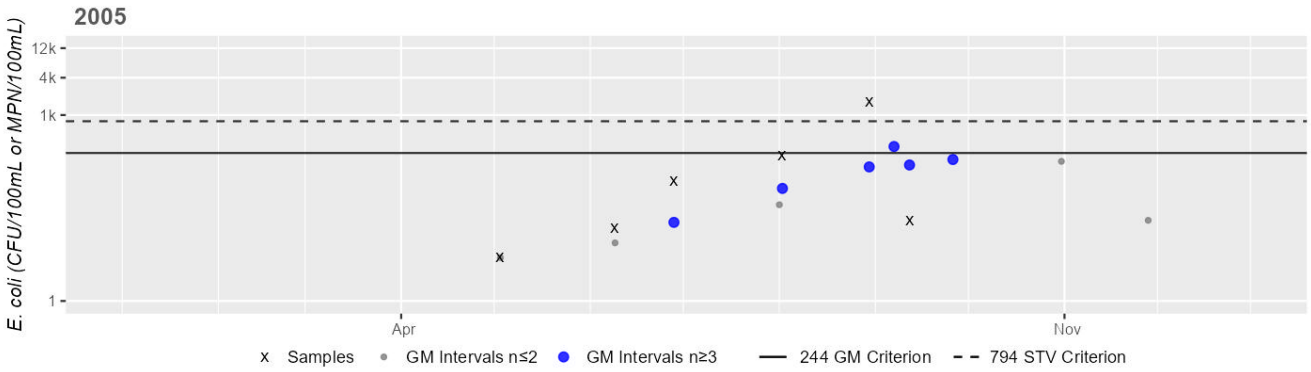
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1387	MassDEP	E. coli	05/03/05	09/12/05	6	5	1600	59

Station MASSDEP_W1387 - Escherichia coli

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



Variable*	Result
Samples	6
SeasGM	59
#GMI	6
#GMI Ex	1
%GMI Ex	16%
n>STV	1
%n>STV	16%

Cumulative %GMI Exceedance
Historic (1997-2010)
16%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Sippican River (MA95-07)

Location:	County Road, Marion/Wareham to confluence with Weweantic River, Marion/Wareham.
AU Type:	ESTUARY
AU Size:	0.08 SQUARE MILES
Classification/Qualifier:	SA: SFO, HQW

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Sippican River (MA95-07) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Sippican River (MA95-07): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0755 sq mi (91%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB35.4	Sippican River	Prohibited	0.06171	74.1%
BB35.5	Middle River	Conditionally Approved	0.01381	16.6%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Sippican River (MA95-07) is Not Assessed.

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 the Sippican River (MA95-07) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0755 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Sippican River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Sippican River (MA95-07): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0755 sq mi (91%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 the Sippican River (MA95-07) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0755 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Sippican River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Sippican River (MA95-07): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0755 sq mi (91%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Slocums River (MA95-34)

Location:	Rock O'Dundee Road (confluence with Paskemanset River), Dartmouth to mouth at Buzzards Bay, Dartmouth.
AU Type:	ESTUARY
AU Size:	0.66 SQUARE MILES
Classification/Qualifier:	SA: SFO, HQW

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Dissolved Oxygen	R1_MA_2020_01	Unchanged
4a	4a	Estuarine Bioassessments	R1_MA_2020_01	Unchanged
4a	4a	Fecal Coliform	36172	Unchanged
4a	4a	Nitrogen, Total	R1_MA_2020_01	Unchanged
4a	4a	Nutrient/Eutrophication Biological Indicators	R1_MA_2020_01	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Estuarine Bioassessments	Agriculture (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Residential Districts (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Agriculture (Y)	X	--	--	--	--	--
Nitrogen, Total	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nitrogen, Total	Residential Districts (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Agriculture (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Residential Districts (Y)	X	--	--	--	--	--

Recommendations

2024/26 Recommendations
2000IR [Algae, Low] Additional monitoring of aesthetics should be conducted for the Slocums River (MA95-34), in particular the section downstream of Barney's Joy Road. A survey should be designed and conducted to identify and determine the extent of noxious algal blooms and macroalgae distribution near the Lloyd Center for Environmental Studies. Additional monitoring could be conducted to determine chlorophyll a and nitrogen concentrations in the water column. An Algae Alert was identified during the 2000IR cycle, based on observations of excessive algal growth (Noxious "soft, goopy, green" algal blooms), prior to 2003, in the vicinity of the Lloyd Center for Environmental Studies, which is on the east bank of the river in the downstream half of the AU. There is a lack of additional information regarding what was historically observed (i.e., duration of bloom (days, months), species, extent of area affected). This is a low priority;

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 Slocums River (MA95-34) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Slocums River (MA95-34): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.6005 sq mi (90%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.6005 sq mi (90%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB8.0	Slocum's River	Prohibited	0.60054	90.4%

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 Slocums River (MA95-34), so it is Not Assessed. The prior Alert identified for Algae is being carried forward. This Alert was due to observations (prior to 2003) of excessive algal growth in the vicinity of the Lloyd Center for Environmental Studies (MassDEP 2003). Additional monitoring will be recommended for this area to determine if Algae is impairing the Aesthetics Use of Slocums River.

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 the Slocums River (MA95-34) so it is assessed as having Insufficient Information. The shellfish growing areas (0.6005 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Slocums River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Slocums River (MA95-34): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.6005 sq mi (90%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 the Slocums River (MA95-34) so it is assessed as having Insufficient Information. The shellfish growing areas (0.6005 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Slocums River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

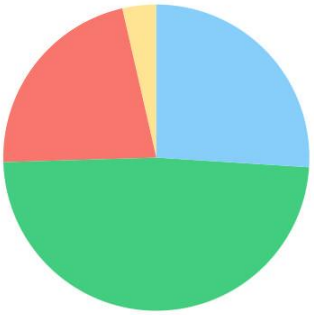
Summary
Slocums River (MA95-34): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.6005 sq mi (90%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Snell Creek (MA95-44)

Location:	Headwaters west of Main Street, Westport to Drift Road, Westport.
AU Type:	RIVER
AU Size:	1.5 MILES
Classification/Qualifier:	B

Snell Creek (MA95-44)

Watershed Area: 0.84 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	0.84	0.84	0.32	0.32
Agriculture	3.6%	3.6%	3.2%	3.2%
Developed	21.9%	21.9%	15.2%	15.2%
Natural	48.5%	48.5%	41.9%	41.9%
Wetland	26%	26%	39.7%	39.7%
Impervious	7.6%	7.6%	5%	5%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Enterococcus	36170	Unchanged
4a	4a	Escherichia Coli (E. Coli)	36170	Unchanged
4a	4a	Fecal Coliform	36170	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Enterococcus	Source Unknown (N)	--	--	--	X	X
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X
Fecal Coliform	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 Snell Creek (MA95-44) 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 Snell Creek (MA95-44) is Not Assessed.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Snell Creek (MA95-44) are available, so the Primary Contact Recreation Use continues to be assessed as Not Supporting. The prior *Enterococcus, Escherichia coli (E. coli)*, and Fecal Coliform impairments are 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 Snell Creek (MA95-44) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward and an *Escherichia coli (E. coli)* impairment is being added based on a re-evaluation of bacteria data not meeting the threshold at 2 stations in 2005 and/or 2006. MassDEP staff collected *E. coli* bacteria samples in Snell Creek from 2005-2006 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: just over halfway down the AU at W1515 [Rt. 88 crossing, Westport] from Jul-Sep 2006 (n=3) and the downstream end of the AU at W1372 [Drift Rd, Westport] from 2005-2006 (n=5/yr). Analysis of the historic single year limited frequency *E. coli* dataset from W1515 indicated 100% of intervals had GMs >244 CFU/100ml, 1 sample exceeded the 794 CFU/100ml STV (1,050 CFU) and the overall GM was 294 CFU/100ml. Analysis of the historic multi-year limited frequency *E. coli* dataset from W1372 indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >244 CFU/100ml (2005 and 2006, 66 & 100%), 1 yr had ≥2 samples exceed the 794 CFU/100ml STV (2005, n=2) and cumulatively across years 83% of intervals had GMs >244 CFU/100ml. Historic *E. coli* data from W1515 and W1372 are indicative of an *Escherichia coli (E. coli)* impairment.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1372	MassDEP	Water Quality	Snell Creek	[Drift Road, Westport]	41.588374	-71.078535
W1515	MassDEP	Water Quality	Snell Creek	[Route 88 crossing, Westport]	41.594497	-71.080609

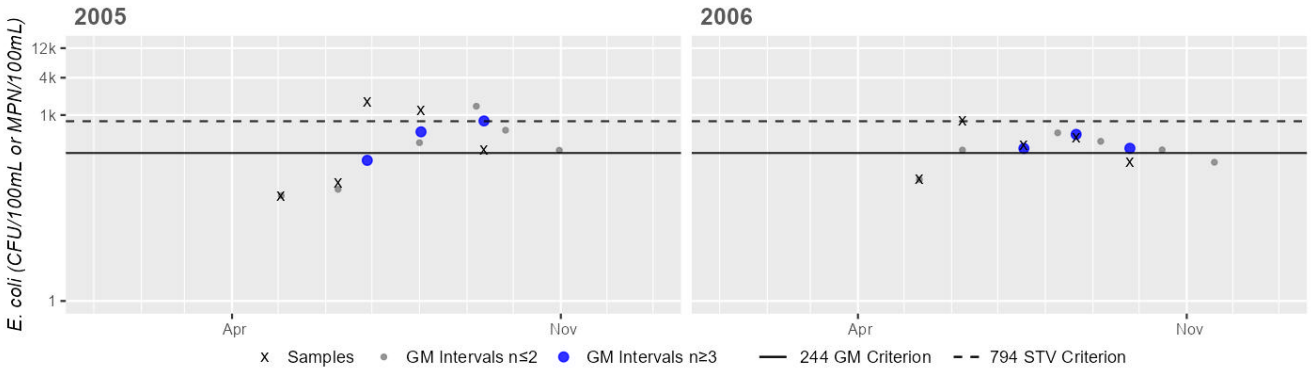
Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (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
W1372	MassDEP	E. coli	05/03/05	09/12/05	5	50	1600	290
W1372	MassDEP	E. coli	05/11/06	09/25/06	5	91	816	283
W1515	MassDEP	E. coli	07/18/06	09/25/06	3	63	1050	294

Station MASSDEP_W1372 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	290
#GMI	3
#GMI Ex	2
%GMI Ex	66%
n>STV	2
%n>STV	40%

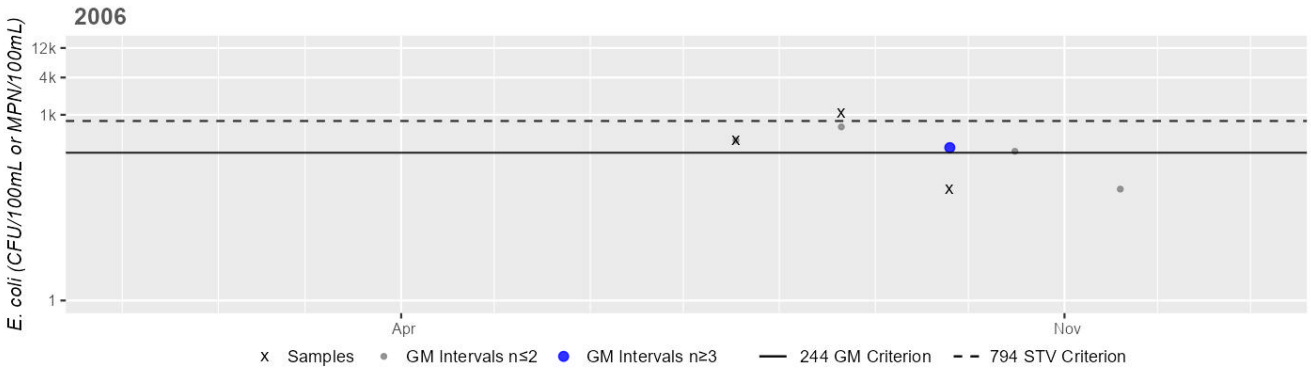
Variable*	Result
Samples	5
SeasGM	283
#GMI	3
#GMI Ex	3
%GMI Ex	100%
n>STV	1
%n>STV	20%

Cumulative %GMI Exceedance
Historic (1997-2010)
83%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1515 - Escherichia coli

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



Variable*	Result
Samples	3
SeasGM	294
#GMI	1
#GMI Ex	1
%GMI Ex	100%
n>STV	1
%n>STV	33%

Cumulative %GMI Exceedance
Historic (1997-2010)
100%

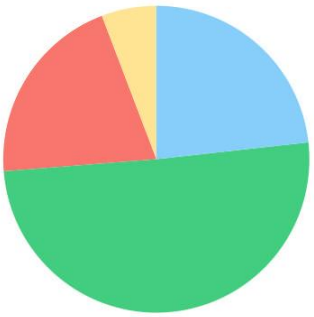
**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes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

Snell Creek (MA95-45)

Location:	Drift Road, Westport to 'Marcus' Bridge', Westport (prior to 2004 this segment included estuarine portion).
AU Type:	RIVER
AU Size:	0.4 MILES
Classification/Qualifier:	B

Snell Creek (MA95-45)

Watershed Area: 1.51 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	1.51	1.51	0.58	0.58
Agriculture	5.8%	5.8%	6.5%	6.5%
Developed	20.5%	20.5%	14.6%	14.6%
Natural	50.5%	50.5%	41.4%	41.4%
Wetland	23.2%	23.2%	37.5%	37.5%
Impervious	7.1%	7.1%	5.2%	5.2%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Enterococcus	36170	Unchanged
4a	4a	Escherichia Coli (E. Coli)	36170	Unchanged
4a	4a	Fecal Coliform	36170	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Enterococcus	Source Unknown (N)	--	--	--	X	X
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	X
Fecal Coliform	Animal Feeding Operations (NPS) (Y)	--	--	--	X	X
Fecal Coliform	Dairies (Y)	--	--	--	X	X

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Fecal Coliform	Grazing in Riparian or Shoreline Zones (Y)	--	--	--	X	X
Fecal Coliform	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 Snell Creek (MA95-45) 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 Snell Creek (MA95-45) is Not Assessed.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Snell Creek (MA95-45) are available, so the Primary Contact Recreation Use continues to be assessed as Not Supporting. The prior *Enterococcus, Escherichia coli (E. coli),* and Fecal Coliform impairments are 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 Snell Creek (MA95-45) continues to be assessed as Not Supporting. The prior *Enterococcus* and Fecal Coliform impairments are being carried forward. An *Escherichia coli (E. coli)* impairment is being added based on a re-evaluation of bacteria data not meeting the threshold at 1 station in 2005 & 2006. MassDEP staff collected *E. coli* bacteria samples halfway down this Snell Creek AU at W1373 [Marcus' Bridge (near Snell Corner), Westport] from 2005-2006 (n=5/yr). Analysis of the historic multi-year limited frequency *E. coli* dataset from this station indicated 2 out of 2 sufficient data yrs had intervals where >20% of the GMs were >244 CFU/100ml (2005 and 2006, 66 & 33%), 1 yr had ≥2 samples exceed the 794 CFU/100ml STV (2005, n=2 with a maximum of 1,600 CFU) and cumulatively across years 50% of intervals had GMs >244 CFU/100ml. Historic *E. coli* data from W1373 are indicative of an *Escherichia coli (E. coli)* impairment.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1373	MassDEP	Water Quality	Snell Creek	[Marcus' Bridge (near Snell Corner), Westport]	41.586747	-71.075721

Bacteria Data

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

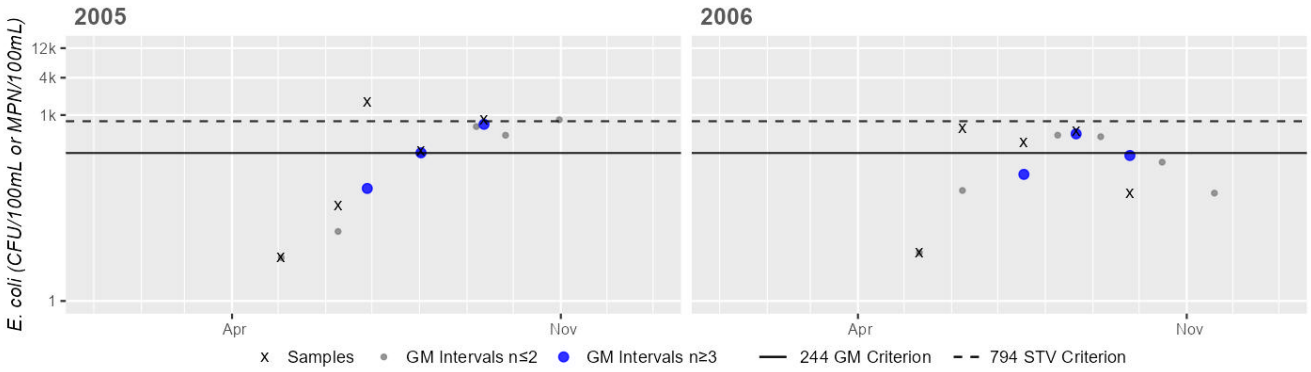
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1373	MassDEP	E. coli	05/03/05	09/12/05	5	5	1600	144
W1373	MassDEP	E. coli	05/11/06	09/25/06	5	6	613	132

Station MASSDEP_W1373 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	144
#GMI	3
#GMI Ex	2
%GMI Ex	66%
n>STV	2
%n>STV	40%

Variable*	Result
Samples	5
SeasGM	132
#GMI	3
#GMI Ex	1
%GMI Ex	33%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Historic (1997-2010)
50%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Snell Creek (MA95-59)

Location:	'Marcus' Bridge', Westport to confluence with East Branch Westport River, Westport (formerly part of 2002 segment: Snell Creek MA95-45).
AU Type:	ESTUARY
AU Size:	0.01 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	Animal Feeding Operations (NPS) (Y)	--	--	X	--	X	X
Fecal Coliform	Dairies (Y)	--	--	X	--	X	X
Fecal Coliform	Grazing in Riparian or Shoreline Zones (Y)	--	--	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 Snell Creek (MA95-59) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Snell Creek (MA95-59): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0065 sq mi (84%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB4.15	Lakes Island	Conditionally Approved	0.00234	30.1%
BB4.26	Snell Creek	Prohibited	0.00416	53.6%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Snell Creek (MA95-59) 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 Snell Creek (MA95-59) continues to be assessed as Not Supporting, with the prior Fecal Coliform impairment being carried forward. The shellfish growing areas (0.0065 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Snell Creek.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Snell Creek (MA95-59): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0065 sq mi (84%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Snell Creek (MA95-59) continues to be assessed as Not Supporting, with the prior Fecal Coliform impairment being carried forward. The shellfish growing areas (0.0065 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Snell Creek.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Snell Creek (MA95-59): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0065 sq mi (84%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Snipatuit Pond (MA95137)

Location:	Rochester.
AU Type:	FRESHWATER LAKE
AU Size:	711 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	(Fanwort*)	--	Unchanged
4a	4a	Mercury in Fish Tissue	33880	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fanwort*)	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	--	--	--

Designated Use Attainment Decisions

Fish Consumption

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

The Fish Consumption Use for Snipatuit Pond (MA95137) 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 Snipatuit Pond (referred to by MDPH as ''Snipituit Pond and Long Pond'') in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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 bacteria or other indicator data for Snipatuit Pond (MA95137) are available, so the Primary Contact Recreation Use 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 Snipatuit Pond (MA95137) 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 Snipatuit Pond (MA95137) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

South Meadow Brook Pond (MA95139)

Location:	Carver.
AU Type:	FRESHWATER LAKE
AU Size:	25 ACRES
Classification/Qualifier:	B

No usable data were available for South Meadow Brook Pond (MA95139) 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

South Meadow Pond (MA95140)

Location:	Carver.
AU Type:	FRESHWATER LAKE
AU Size:	22 ACRES
Classification/Qualifier:	B

No usable data were available for South Meadow Pond (MA95140) 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

Southwest Atwood Bog Pond (MA95141)

Location:	Carver.
AU Type:	FRESHWATER LAKE
AU Size:	12 ACRES
Classification/Qualifier:	B

No usable data were available for Southwest Atwood Bog Pond (MA95141) 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

Spectacle Pond (MA95142)

Location:	Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	41 ACRES
Classification/Qualifier:	B

No usable data were available for Spectacle Pond (MA95142) 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

Squeteague Harbor (MA95-55)

Location:	Waters landward of the confluence with Megansett Harbor, Bourne/Falmouth.
AU Type:	ESTUARY
AU Size:	0.15 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Fecal Coliform	--	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	R1_MA_2020_07	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nutrient/Eutrophication Biological Indicators	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Landfills (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Residential Districts (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 Squeteague Harbor (MA95-55) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Squeteague Harbor (MA95-55): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1309 sq mi (89%). The approved shellfish growing area represents 0.0029 sq mi (2%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB50.0	Megansett Harbor	Approved	0.00292	2.0%
BB50.3	Squeteague Harbor	Conditionally Approved	0.12795	87.3%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Squeteague Harbor (MA95-55) 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 Squeteague Harbor (MA95-55) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH contractors conducted surface water sampling at Squeteague Harbor in Bourne in May 2021 as part of a pilot study assessing 40 PFAS analytes in surface water and fish tissue samples collected from waterbodies on Cape Cod. In this study, MDPH evaluated four PFAS compounds (PFHxS, PFNA, PFOA, PFOS) individually against a candidate Surface Water Action Level (cSWAL) of 23 ng/L (ppt). All four compounds had concentrations less than the cSWAL, with the maximum being 8.55 ng/L of PFOS. MDPH Beach Closure data for Cataumet Harbor beach [Beach ID: 2657] in Bourne indicated that this beach was rarely, if at all, posted for swimming from 2018-2022. The shellfish growing areas (0.1309 sq mi) in this AU are less than 100% approved (0.0029 sq mi, 2%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Squeteague Harbor.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2657	Cataumet Harbor/ Bourne	41.66461, -70.62020	41.66388, -70.61950	0%	0%	0%	0%	0%	0%	0%	1%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Squeteague Harbor (MA95-55): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1309 sq mi (89%). The approved shellfish growing area represents 0.0029 sq mi (2%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Other Indicators

Summary of MDPH 2021 and 2022 PFAS in Water Column Data

Data Sources: (Nascarella 2021, MA DPH 2021)

MDPH contractors conducted surface water sampling at Squeteague Harbor (MA95-55) in Bourne in May 2021 as part of a pilot study assessing 40 PFAS analytes in surface water and fish tissue samples collected from waterbodies on Cape Cod. In this study, DPH evaluated four PFAS compounds (PFHxS, PFNA, PFOA, PFOS) individually against a candidate Surface Water Action Level (cSWAL) of 23 ng/L (ppt). All four compounds had concentrations less than the cSWAL, with the maximum being 8.55 ng/L of PFOS.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Squeteague Harbor (MA95-55) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Cataumet Harbor beach [Beach ID: 2657] in Bourne indicated that this beach was rarely, if at all, posted for swimming from 2018-2022. The shellfish growing areas (0.1309 sq mi) in this AU are less than 100% approved (0.0029 sq mi, 2%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Squeteague Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Squeteague Harbor (MA95-55): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1309 sq mi (89%). The approved shellfish growing area represents 0.0029 sq mi (2%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

The Let (MA95-88)

Location:	From north of East Beach Road, Westport to the confluence with Horseneck Channel, Westport.
AU Type:	ESTUARY
AU Size:	0.22 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	R1_MA_2017_03P	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	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 The Let (MA95-88) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary
The Let (MA95-88): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2126 sq mi (98%). The approved shellfish growing area represents 0.2103 sq mi (97%) and the prohibited shellfish growing area represents 0.0023 sq mi (1%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as a combination of approved and prohibited.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB4.0	Horseneck Channel & The Let	Approved	0.21032	97.4%
BB4.4	Taber Point Creek	Prohibited	0.00231	1.1%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for The Let (MA95-88) is Not Assessed.

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 The Let (MA95-88) so it is assessed as having Insufficient Information. The shellfish growing areas (0.2126 sq mi) in this AU are less than 100% approved (0.2103 sq mi, 97%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of The Let.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
The Let (MA95-88): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2126 sq mi (98%). The approved shellfish growing area represents 0.2103 sq mi (97%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 The Let (MA95-88) so it is assessed as having Insufficient Information. The shellfish growing areas (0.2126 sq mi) in this AU are less than 100% approved (0.2103 sq mi, 97%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of The Let.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
The Let (MA95-88): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2126 sq mi (98%). The approved shellfish growing area represents 0.2103 sq mi (97%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Three Cornered Pond (MA95145)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	12 ACRES
Classification/Qualifier:	B

No usable data were available for Three Cornered Pond (MA95145) 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

Tihonet Pond (MA95146)

Location:	Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	87 ACRES
Classification/Qualifier:	B

No usable data were available for Tihonet Pond (MA95146) 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
5	5	(Fish Passage Barrier*)	--	Unchanged
5	5	Dissolved Oxygen	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (Y)	X	--	--	--	--
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--

Tinkham Pond (MA95148)

Location:	Mattapoisett/Acushnet.
AU Type:	FRESHWATER LAKE
AU Size:	17 ACRES
Classification/Qualifier:	B

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

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (Y)	X	--	--	--	--

Recommendations

2024/26 Recommendations
2024IR [Bacteria, Low] Based on data from the 2024/2026 IR cycle (collected in 2019), conduct follow-up monitoring in this Tinkham Pond AU (MA95148) in the vicinity of UMass - Dartmouth (UMassD) station {UMassD_1} located at New Boston Rd trailhead access point, Mattapoisett. An Alert was identified for *Enterococcus* at UMassD_1 since the percentage of samples at this station that exceeded the STV, was very close to the 20% cut-off (18%) with a maximum concentration of 1,529 CFU/100ml. This is of low priority.

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 Tinkham Pond (MA95148) 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 Tinkham Pond (MA95148) 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 Tinkham Pond (MA95148) continues to be assessed as Fully Supporting, with an Alert being identified for *Enterococcus*. UMass - Dartmouth (UMassD) staff/volunteers collected *Enterococcus* bacteria samples in Tinkham Pond at UMassD_1 [New Boston Rd trailhead access point, Mattapoisett] from Jun-Sep 2019 (n=16). Analysis of the single year high frequency dataset from this station indicated 19% of intervals had GMs >35 CFU/100ml and 18% of samples exceeded the 130 CFU/100ml STV (maximum 1,529 CFU/100ml), which meets 2024 CALM guidance. An Alert is being identified for *Enterococcus* at UMassD_1 because the percentage of samples that exceeded the STV was very close to the 20% cut-off.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
UMassD_1	UMass - Dartmouth	Water Quality	Tinkham Pond	New Boston Rd trailhead access point, Mattapoisett	41.681886	-70.857450

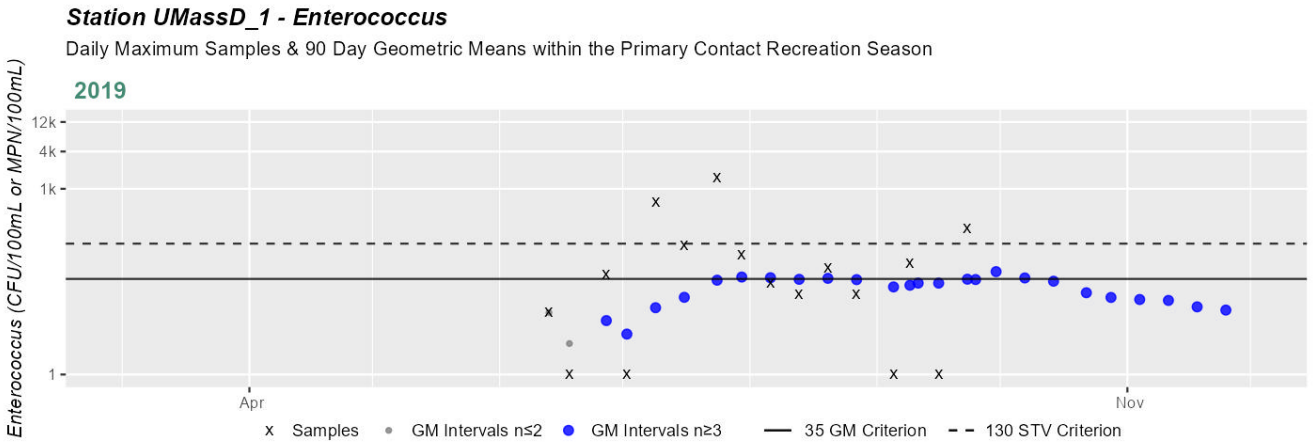
Bacteria Data

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

(UMass-Dartmouth 2019) (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
UMassD_1	Umass - Dartmouth	Enterococci	06/13/19	09/23/19	16	1	1529	25



Variable*	Result
Samples	16
SeasGM	25
#GMI	26
#GMI Ex	5
%GMI Ex	19%
n>STV	3
%n>STV	18%

Cumulative %GMI Exceedance
Current (2011-2022)
19%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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 Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Tinkham Pond (MA95148) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Turner Pond (MA95151)

Location:	New Bedford/Dartmouth.
AU Type:	FRESHWATER LAKE
AU Size:	86 ACRES
Classification/Qualifier:	B

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	(Fish Passage Barrier*)	--	Unchanged
5	5	(Swollen Bladderwort*)	--	Unchanged
5	5	Enterococcus	--	Unchanged
5	5	Mercury in Fish Tissue	33880	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (Y)	X	--	--	--	--
(Swollen Bladderwort*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Enterococcus	Source Unknown (N)	--	--	--	X	--
Mercury in Fish Tissue	Atmospheric Deposition (Y)	--	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 Turner Pond (MA95151) 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 Turner Pond in their January 2025 Freshwater Fish Consumption Advisory List. The public should refer to the most recent MDPH 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 Turner Pond (MA95151) 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 Turner Pond (MA95151) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on bacteria data not meeting the threshold at 1 station in 2019. UMass - Dartmouth (UMassD) staff/volunteers collected *Enterococcus* bacteria samples in Turner Pond at UMassD_5 [51 Old Fall River, N. Dartmouth. Pond side] from Jun-Sep 2019 (n=16). Analysis of the single year high frequency dataset from this station indicated 65% of intervals had GMs >35 CFU/100ml and 31% of samples exceeded the 130 CFU/100ml STV (maximum 5,012 CFU/100ml), which is indicative of an *Enterococcus* impairment.

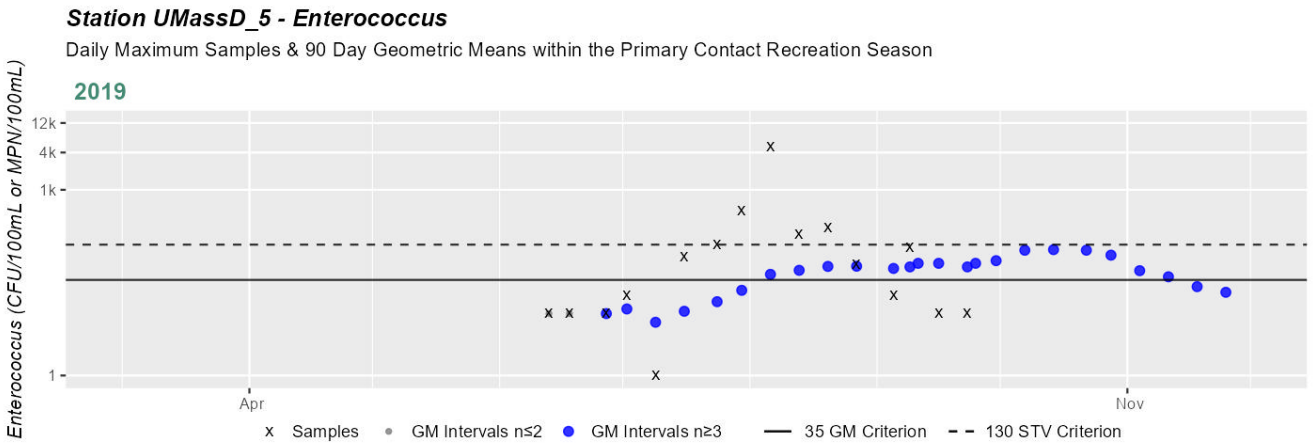
Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
UMassD_5	UMass - Dartmouth	Water Quality	Turner's Pond	51 Old Fall River, N. Dartmouth. Pond side.	41.679099	-70.976369

Bacteria Data

Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)
(UMass-Dartmouth 2019) (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
UMassD_5	Umass - Dartmouth	Enterococci	06/13/19	09/23/19	16	1	5012	45



Variable*	Result
Samples	16
SeasGM	45
#GMI	26
#GMI Ex	17
%GMI Ex	65%
n>STV	5
%n>STV	31%

Cumulative %GMI Exceedance
Current (2011-2022)
65%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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 Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for Turner Pond (MA95151) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

Union Pond (MA95152)

Location:	Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	17 ACRES
Classification/Qualifier:	B

No usable data were available for Union Pond (MA95152) 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

Unnamed Tributary (MA95-101)

Location:	Unnamed tributary to Mattapoisett River, outlet Tinkham Pond, Mattapoisett to mouth at confluence with Mattapoisett River, Mattapoisett.
AU Type:	RIVER
AU Size:	1.2 MILES
Classification/Qualifier:	B

No usable data were available for Unnamed Tributary (MA95-101) 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	(Fish Passage Barrier*)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (Y)	X	--	--	--	--

Unnamed Tributary (MA95-102)

Location:	Unnamed tributary to Cape Cod Canal, headwaters outlet Bourne Pond, Bourne to mouth at confluence with northern edge of Cape Cod Canal, Bourne.
AU Type:	RIVER
AU Size:	0.4 MILES
Classification/Qualifier:	B

No usable data were available for Unnamed Tributary (MA95-102) 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	(Fish Passage Barrier*)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Habitat Modification - other than Hydromodification (Y)	X	--	--	--	--

Unnamed Tributary (MA95-113)

Location:	Unnamed tributary to Muddy Cove from downstream at railroad tracks, Wareham to mouth at confluence with Muddy Cove, Wareham.
AU Type:	ESTUARY
AU Size:	0.01 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
--	5	Fecal Coliform	--	Added

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Unnamed Tributary (MA95-113) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Unnamed Tributary (MA95-113): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0044 sq mi (56%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications, a Fecal Coliform impairment is being added.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB42.3	Muddy Cove	Conditionally Approved	0.00438	55.8%

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 (MA95-113) is Not Assessed.

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 Unnamed Tributary (MA95-113) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0044 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of this Unnamed Tributary AU.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Unnamed Tributary (MA95-113): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0044 sq mi (56%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Unnamed Tributary (MA95-113) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0044 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of this Unnamed Tributary AU.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Unnamed Tributary (MA95-113): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0044 sq mi (56%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Unnamed Tributary (MA95-57)

Location:	Headwaters, outlet of Cornell Pond, Dartmouth to mouth at confluence with Shingle Island River, Dartmouth.
AU Type:	RIVER
AU Size:	1 MILES
Classification/Qualifier:	A: PWS, ORW (Tributary)

No usable data were available for Unnamed Tributary (MA95-57) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

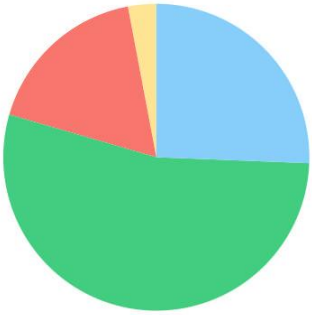
AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

Unnamed Tributary (MA95-75)

Location:	Unnamed tributary to Bread and Cheese Brook, headwaters north of Briggs Road, Westport to confluence with Bread and Cheese Brook, Westport.
AU Type:	RIVER
AU Size:	1.9 MILES
Classification/Qualifier:	B

Unnamed Tributary (MA95-75)

Watershed Area: 8.97 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	8.97	6.79	1.75	1.32
Agriculture	3%	3.3%	2.5%	3.2%
Developed	17.5%	20.8%	8.3%	10.6%
Natural	53.9%	47.4%	51.4%	43.6%
Wetland	25.6%	28.5%	37.8%	42.6%
Impervious	7.7%	9.1%	3.7%	4.7%

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

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
Escherichia Coli (E. Coli)	Source Unknown (N)	--	--	--	X	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 Unnamed Tributary (MA95-75) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Unnamed Tributary (MA95-75) is assessed as Fully Supporting based on the general lack of any objectionable conditions noted by MassDEP staff during the summer of 2013. MassDEP staff recorded aesthetics observations for this Unnamed Tributary AU to Bread and Cheese Brook (locally known as Hemlock Gutter), at a station three-quarters of the way down the AU, ~75 feet downstream/east of Gifford Road, Westport (W2394, n=8), as part of the MAP2 wadable streams monitoring project during the summer of 2013. There were generally no noted persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted minor trash on two occasions.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2394	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Bread and Cheese Brook approximately 75 feet downstream/east of Gifford Road, Westport]	41.641806	-71.076457

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2394	2013	8	8	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2394	Unnamed Tributary	2013	Aesthetics Impaired?	No	7	8
W2394	Unnamed Tributary	2013	Aesthetics Impaired?	NR	1	8
W2394	Unnamed Tributary	2013	Aquatic Plant Density, Overall	None	7	8
W2394	Unnamed Tributary	2013	Aquatic Plant Density, Overall	Sparse	1	8
W2394	Unnamed Tributary	2013	Color	Light Yellow/Tan	1	8
W2394	Unnamed Tributary	2013	Color	Reddish	7	8
W2394	Unnamed Tributary	2013	Objectionable Deposits	No	6	8
W2394	Unnamed Tributary	2013	Objectionable Deposits	Yes	2	8
W2394	Unnamed Tributary	2013	Odor	None	7	8
W2394	Unnamed Tributary	2013	Odor	NR	1	8
W2394	Unnamed Tributary	2013	Periphyton Density, Filamentous	None	8	8
W2394	Unnamed Tributary	2013	Periphyton Density, Film	None	8	8
W2394	Unnamed Tributary	2013	Scum	No	3	8
W2394	Unnamed Tributary	2013	Scum	Yes	5	8
W2394	Unnamed Tributary	2013	Turbidity	None	7	8
W2394	Unnamed Tributary	2013	Turbidity	Slightly Turbid	1	8

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for Unnamed Tributary (MA95-75) 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 1 station in 2013. MassDEP staff collected *E. coli* bacteria samples in this Unnamed Tributary at W2394 [unnamed tributary to Bread and Cheese Brook ~75 ft downstream/E of Gifford Rd, Westport] from May-Sep 2013 (n=5). Analysis of the single year limited frequency dataset from this station indicated 100% of intervals had GMs >126 CFU/100ml, 2 samples exceeded the 410 CFU/100ml STV (maximum 6,490 CFU) and the seasonal GM was 588 CFU/100ml, which is indicative of an *Escherichia coli (E. coli)* impairment.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2394	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Bread and Cheese Brook approximately 75 feet downstream/east of Gifford Road, Westport]	41.641806	-71.076457

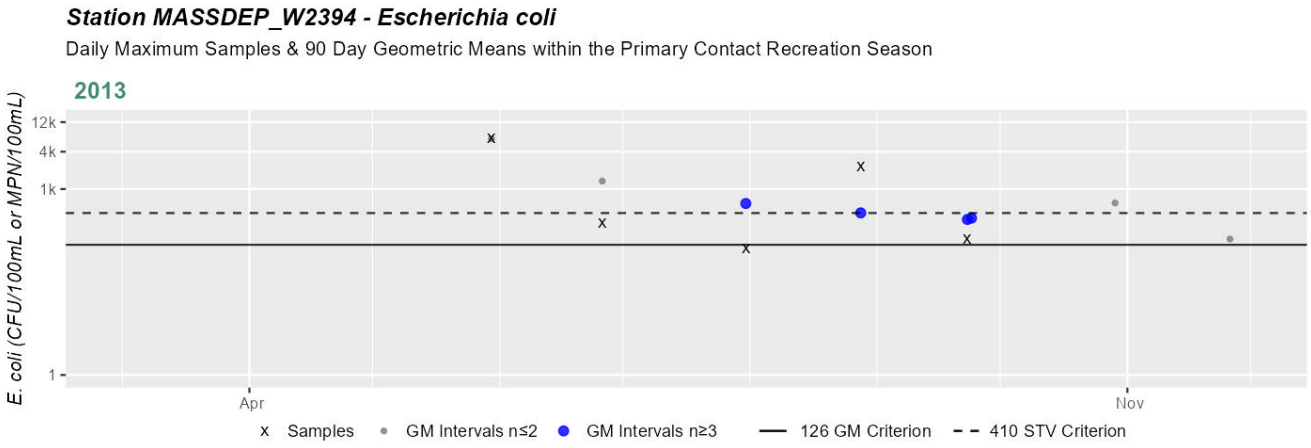
Bacteria Data

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

(MassDEP Undated 9) (MassDEP Undated 5)

[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
W2394	MassDEP	E. coli	05/30/13	09/23/13	5	110	6490	588



Variable*	Result
Samples	5
SeasGM	588
#GMI	4
#GMI Ex	4
%GMI Ex	100%
n>STV	2
%n>STV	40%

Cumulative %GMI Exceedance
Current (2011-2022)
100%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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 Unnamed Tributary (MA95-75) 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 1 station in 2013. The prior Alert identified for *Escherichia coli (E. coli)* is being removed in light of the new *E. coli* impairment. MassDEP staff collected *E. coli* bacteria samples in this Unnamed Tributary at W2394 [unnamed tributary to Bread and Cheese Brook ~75 ft downstream/E of Gifford Rd, Westport] from May-Sep 2013 (n=5). Analysis of the single year limited frequency dataset from this station indicated 100% of intervals had GMs >244 CFU/100ml, 2 samples exceeded the 794 CFU/100ml STV (maximum 6,490 CFU) and the overall GM was 588 CFU/100ml, which is indicative of an *Escherichia coli (E. coli)* impairment.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2394	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Bread and Cheese Brook approximately 75 feet downstream/east of Gifford Road, Westport]	41.641806	-71.076457

Bacteria Data

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

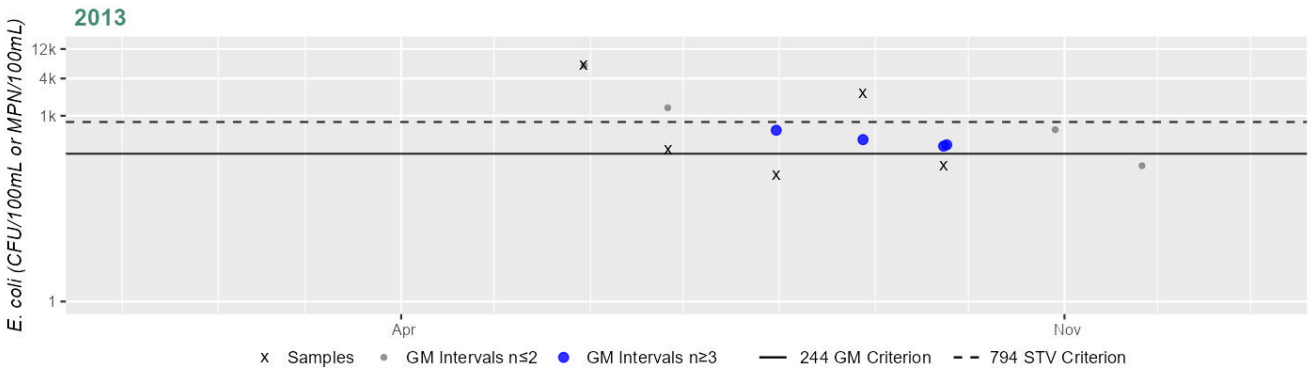
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W2394	MassDEP	E. coli	05/30/13	09/23/13	5	110	6490	588

Station MASSDEP_W2394 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	588
#GMI	4
#GMI Ex	4
%GMI Ex	100%
n>STV	2
%n>STV	40%

Cumulative %GMI Exceedance

Current (2011-2022)

100%

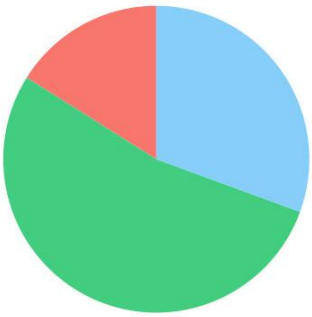
**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes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

Unnamed Tributary (MA95-80)

Location:	Unnamed tributary to Aucoot Creek, headwaters west of Mill Street (Route 6), Marion to the Marion WWTF (MA0100030) discharge, Marion.
AU Type:	RIVER
AU Size:	0.4 MILES
Classification/Qualifier:	B

Unnamed Tributary (MA95-80)

Watershed Area: 0.12 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	0.12	0.12	0.07	0.07
Agriculture	0%	0%	0%	0%
Developed	16.1%	16.1%	17.1%	17.1%
Natural	53.3%	53.3%	49.5%	49.5%
Wetland	30.6%	30.6%	33.4%	33.4%
Impervious	8%	8%	9%	9%

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 (MA95-80) 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 Unnamed Tributary (MA95-80) 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 Unnamed Tributary (MA95-80) 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 Unnamed Tributary (MA95-80) 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 just over halfway down this Unnamed Tributary AU at W1388 [unnamed tributary to Aucoot Creek, Abels Way (~450 ft upstream of Marion WWTP (MA0100030) discharge), Marion] in Jun 2005 (n=1). Historic *E. coli* data from W1388 are too limited according to the 2024 CALM to assess the Secondary Contact Recreation Use. 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
W1388	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Aucoot Creek, Abels Way (approximately 450 feet upstream of Marion WWTP (MA0100030) discharge), Marion]	41.693088	-70.771915

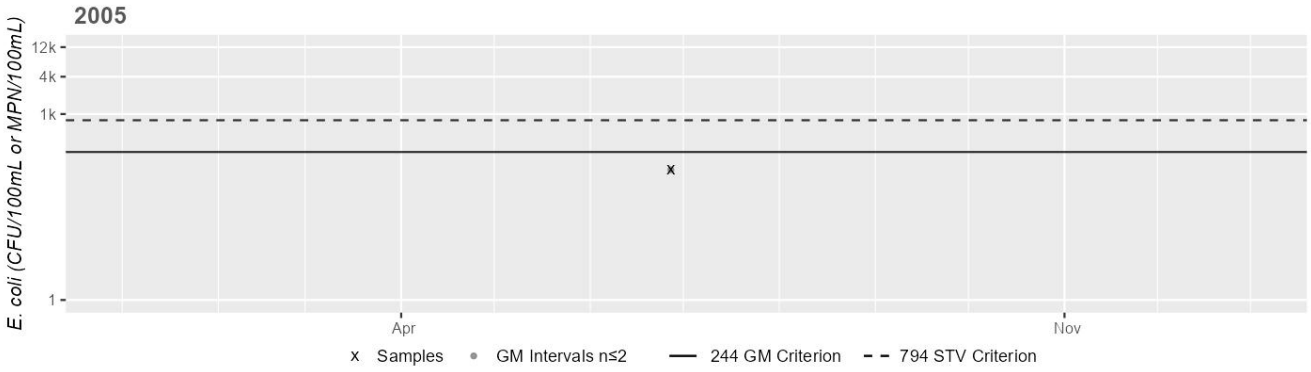
Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (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
W1388	MassDEP	E. coli	06/27/05	06/27/05	1	126	126	126

Station MASSDEP_W1388 - Escherichia coli

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



Variable*	Result
Samples	1
SeasGM	126
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

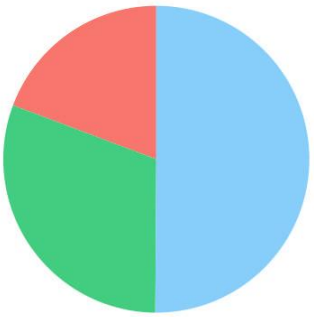
**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes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

Unnamed Tributary (MA95-81)

Location:	Unnamed tributary to Aucoot Creek from the Marion WWTF (MA0100030) discharge, Marion to the boundary of the saltwater wetland, Marion.
AU Type:	RIVER
AU Size:	0.7 MILES
Classification/Qualifier:	B

Unnamed Tributary (MA95-81)

Watershed Area: 0.10 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	0.10	0.10	0.08	0.08
Agriculture	0%	0%	0%	0%
Developed	19.3%	19.3%	13.8%	13.8%
Natural	30.6%	30.6%	24.1%	24.1%
Wetland	50.1%	50.1%	62.1%	62.1%
Impervious	10.7%	10.7%	7.9%	7.9%

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 Unnamed Tributary (MA95-81) 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 Unnamed Tributary (MA95-81) 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 Unnamed Tributary (MA95-81) 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 Unnamed Tributary (MA95-81) 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 this Unnamed Tributary AU (to Aucoot Creek) in 2005 at 3 stations. Samples were collected from the following stations/sample years from upstream to downstream: a quarter of the way down the AU at W1389 [Olde Meadow Rd (~1200 ft downstream of Marion WWTF (MA0100030) discharge), Marion] in Jun 2005 (n=1), halfway down the AU at W1407 [~800 ft downstream of Olde Meadow Rd, Marion] in Jun 2005 (n=1) and two-thirds of the way down the AU at W1408 [~1300 ft downstream of Olde Meadow Rd, Marion] in Jun 2005 (n=1). Historic *E. coli* data from W1389, W1407, and W1408 are too limited according to the 2024 CALM to assess the Secondary Contact Recreation Use. 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
W1389	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Aucoot Creek, Olde Meadow Road (approximately 1200 feet downstream of Marion WWTF (MA0100030) discharge), Marion]	41.688785	-70.771665
W1407	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Aucoot Creek approximately 800 feet downstream of Olde Meadow Road, Marion]	41.686848	-70.770685

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W1408	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Aucoot Creek approximately 1300 feet downstream of Olde Meadow Road, Marion]	41.685517	-70.769877

Bacteria Data

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

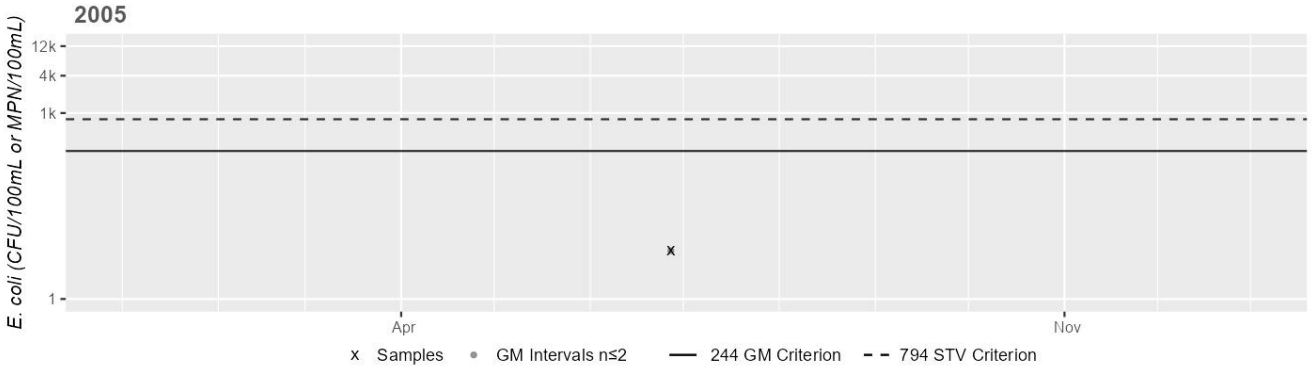
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1389	MassDEP	E. coli	06/27/05	06/27/05	1	6	6	6
W1407	MassDEP	E. coli	06/27/05	06/27/05	1	6	6	6
W1408	MassDEP	E. coli	06/27/05	06/27/05	1	4	4	4

Station MASSDEP_W1389 - Escherichia coli

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



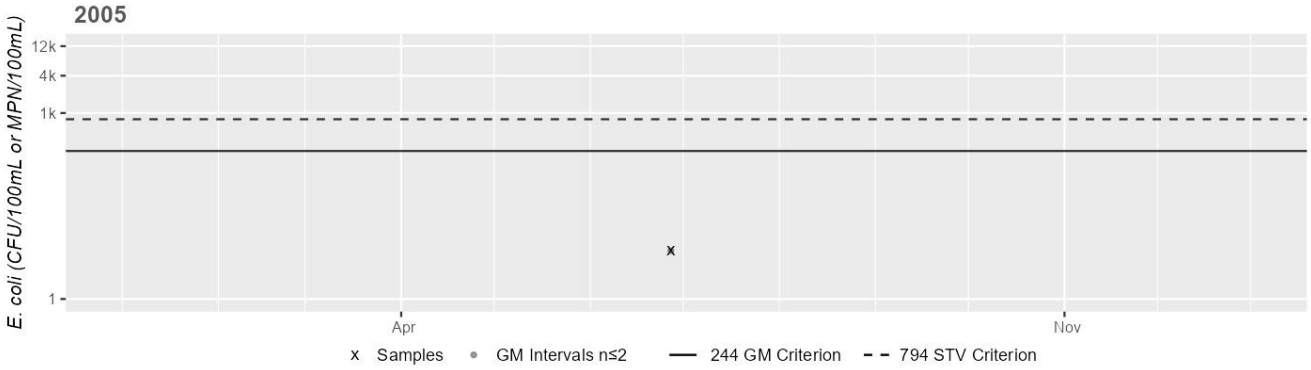
Variable*	Result
Samples	1
SeasGM	6
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1407 - Escherichia coli

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



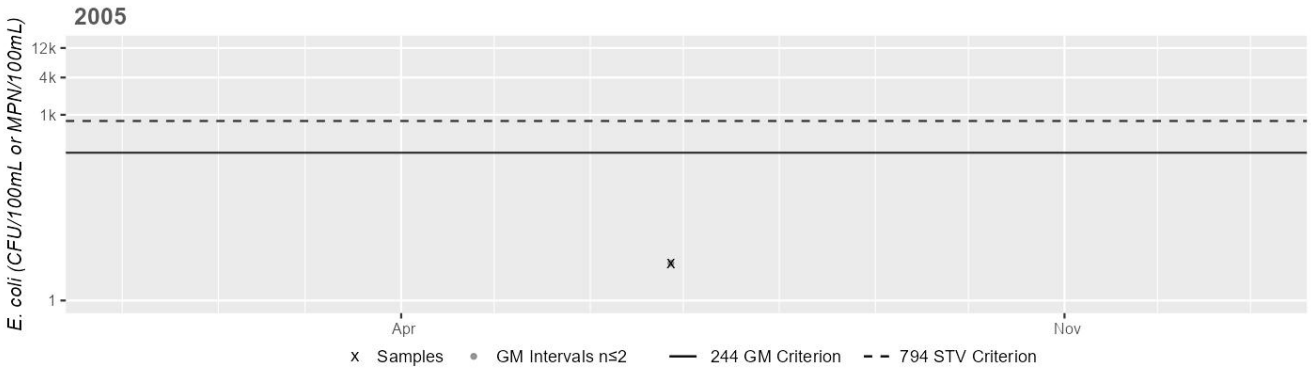
Variable*	Result
Samples	1
SeasGM	6
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1408 - Escherichia coli

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



Variable*	Result
Samples	1
SeasGM	4
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Historic (1997-2010)
0%

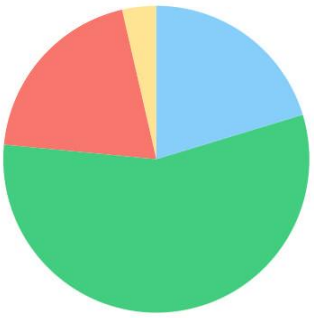
**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; n>STV = # of samples > Statistical Threshold Value (STV); %n > STV = % of samples > STV; "Recent 5 Years" may not be consecutive as the analysis excludes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

Unnamed Tributary (MA95-84)

Location:	Unnamed tributary to Snell Creek, perennial portion north of Brookwood Drive, Westport to mouth at Snell Creek, Westport.
AU Type:	RIVER
AU Size:	0.8 MILES
Classification/Qualifier:	B

Unnamed Tributary (MA95-84)

Watershed Area: 0.61 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	0.61	0.61	0.22	0.22
Agriculture	3.6%	3.6%	5.5%	5.5%
Developed	19.9%	19.9%	14.6%	14.6%
Natural	56.2%	56.2%	42.8%	42.8%
Wetland	20.3%	20.3%	37.1%	37.1%
Impervious	7.1%	7.1%	6.2%	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 Unnamed Tributary (MA95-84) 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 (MA95-84) 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 Unnamed Tributary (MA95-84) 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 Unnamed Tributary (MA95-84) 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 this Unnamed Tributary AU (to Snell Creek) from 2006 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: a quarter of the way down the AU at W1513 [unnamed Snell Creek tributary, Main Rd, Westport] from May-Sep 2006 (n=5), and about three-quarters of the way down the AU at W1514 [unnamed Snell Creek tributary, Drift Rd, Westport] from May-Sep 2006 (n=5). Analysis of the historic single year limited frequency *E. coli* datasets from W1513 & W1514 indicated 33% & 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV, and the overall GM's were 99 & 98 CFU/100ml respectively, which meets 2024 CALM guidance. However, 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
W1513	MassDEP	Water Quality	Unnamed Tributary	[unnamed Snell Creek tributary, Main Road, Westport]	41.585265	-71.088355
W1514	MassDEP	Water Quality	Unnamed Tributary	[unnamed Snell Creek tributary, Drift Road, Westport]	41.586161	-71.080475

Bacteria Data

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

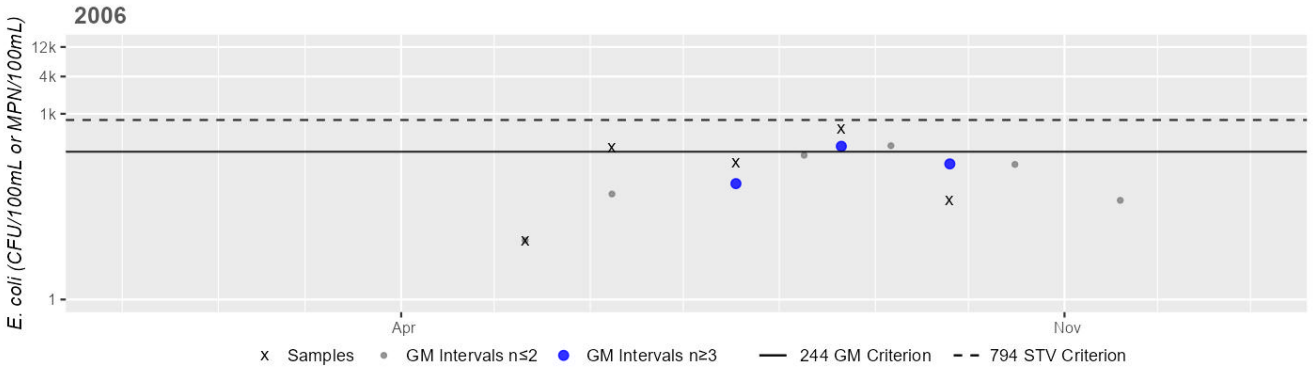
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1513	MassDEP	E. coli	05/11/06	09/25/06	5	9	579	99
W1514	MassDEP	E. coli	05/11/06	09/25/06	5	17	435	98

Station MASSDEP_W1513 - Escherichia coli

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



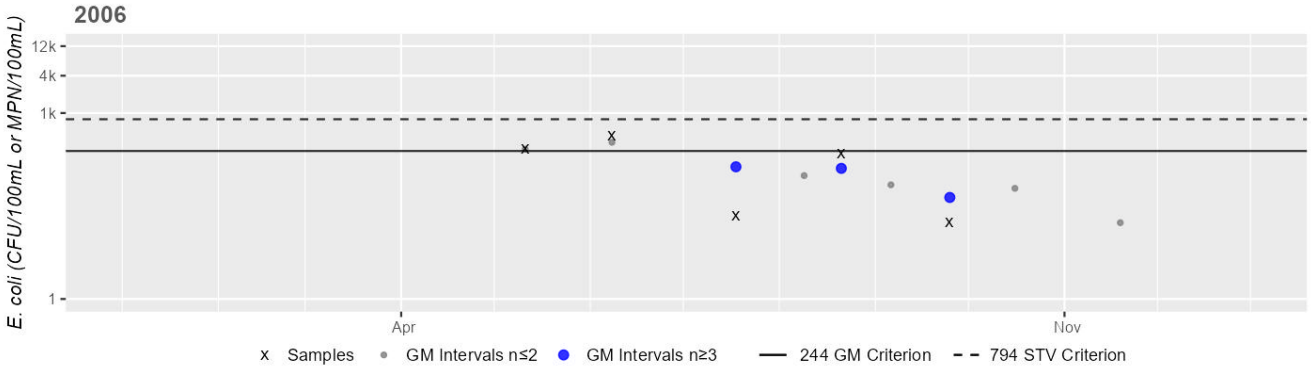
Variable*	Result
Samples	5
SeasGM	99
#GMI	3
#GMI Ex	1
%GMI Ex	33%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Historic (1997-2010)
33%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1514 - Escherichia coli

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



Variable*	Result
Samples	5
SeasGM	98
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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 (MA95-91)

Location:	Unnamed tributary to Slocums River, perennial portion east of Division Road, Dartmouth to confluence with saltwater portion east of Barneys Joy Road, Dartmouth (referred to as 'Barneys Joy North' in Massachusetts Estuaries Project technical report for Slocums and Little Rivers Embayment System).
AU Type:	RIVER
AU Size:	2.1 MILES
Classification/Qualifier:	B

No usable data were available for Unnamed Tributary (MA95-91) 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

Unnamed Tributary (MA95-92)

Location:	Unnamed tributary to Slocums River, headwaters outlet wetland north of Horseneck Road, Dartmouth to confluence with saltwater portion east of Barneys Joy Road, Dartmouth (referred to as 'Barneys Joy South' in Massachusetts Estuaries Project technical report for Slocums and Little Rivers Embayment System).
AU Type:	RIVER
AU Size:	1.2 MILES
Classification/Qualifier:	B

No usable data were available for Unnamed Tributary (MA95-92) for the 2024/26 Integrated Reporting cycle, therefore its category, use attainments, impairments, associated actions, and sources remain unchanged from the previous cycle.

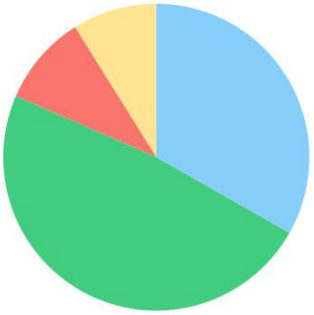
AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
3	3	None	--	Unchanged

Unnamed Tributary (MA95-98)

Location:	Unnamed tributary to unnamed tributary to Everett Cove of East Branch Westport River, perennial portion east of Pine Hill Road, Westport to confluence with unnamed tributary west of Pine Hill Road, Westport.
AU Type:	RIVER
AU Size:	1.1 MILES
Classification/Qualifier:	B

Unnamed Tributary (MA95-98)

Watershed Area: 0.57 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	0.57	0.57	0.19	0.19
Agriculture	8.9%	8.9%	11.9%	11.9%
Developed	9.6%	9.6%	4.5%	4.5%
Natural	48.3%	48.3%	32.5%	32.5%
Wetland	33.2%	33.2%	51%	51%
Impervious	3.2%	3.2%	2%	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 Unnamed Tributary (MA95-98) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Unnamed Tributary (MA95-98) is assessed as Fully Supporting since there were generally no objectionable conditions noted by MassDEP staff during the summers of 2012 and 2013. MassDEP staff recorded aesthetics observations three-quarters of the way down this Unnamed Tributary AU (locally known as 'Woodland Brook') just south of #244 Pine Hill Road (W2366) during the summers of 2012 (n=3) and 2013 (n=2), as part of the Bacteria Source Tracking Project (BST). There were generally no noted persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2366	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary (locally known as 'Woodland Brook') to East Branch Westport River, just south of #244 Pine Hill Road, Westport]	41.606213	-71.052229

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2366	2012	3	3	0
W2366	2013	2	2	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2366	Unnamed Tributary	2012	Aquatic Plant Density, Overall	None	3	3
W2366	Unnamed Tributary	2012	Color	Brownish	1	3

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2366	Unnamed Tributary	2012	Color	Light Yellow/Tan	1	3
W2366	Unnamed Tributary	2012	Color	None	1	3
W2366	Unnamed Tributary	2012	Odor	None	3	3
W2366	Unnamed Tributary	2012	Periphyton Density, Filamentous	None	3	3
W2366	Unnamed Tributary	2012	Periphyton Density, Film	None	1	3
W2366	Unnamed Tributary	2012	Periphyton Density, Film	Sparse	2	3
W2366	Unnamed Tributary	2012	Turbidity	Slightly Turbid	3	3
W2366	Unnamed Tributary	2013	Aquatic Plant Density, Overall	None	2	2
W2366	Unnamed Tributary	2013	Color	Brownish	2	2
W2366	Unnamed Tributary	2013	Odor	None	2	2
W2366	Unnamed Tributary	2013	Periphyton Density, Filamentous	None	2	2
W2366	Unnamed Tributary	2013	Periphyton Density, Film	Sparse	2	2
W2366	Unnamed Tributary	2013	Turbidity	Slightly Turbid	2	2

Primary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary

Too limited bacteria data are available to assess the Primary Contact Recreation Use for Unnamed Tributary (MA95-98) and available aesthetics observations for this AU did not result in any impairment, so it is assessed as having Insufficient Information. MassDEP staff collected *E. coli* bacteria samples three-quarters of the way down this Unnamed Tributary at W2366 [unnamed tributary (locally known as 'Woodland Brook') to E Branch Westport River, just S of #244 Pine Hill Rd, Westport] from 2012-2013 (n=2-3/yr). The available *E. coli* data at this station are too limited to assess the Primary Contact Recreation Use according to the 2024 CALM, although it should be noted that 1 sample exceeded the 410 CFU/100ml STV in 2012 (461 CFU).

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2366	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary (locally known as 'Woodland Brook') to East Branch Westport River, just south of #244 Pine Hill Road, Westport]	41.606213	-71.052229

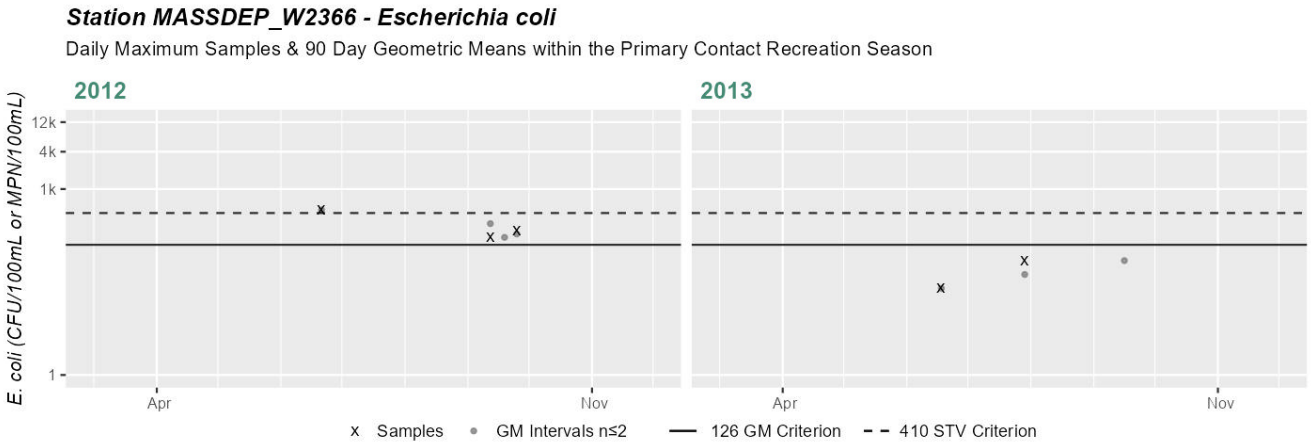
Bacteria Data

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

(MassDEP Undated 9) (MassDEP Undated 5)

[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
W2366	MassDEP	E. coli	06/20/12	09/24/12	3	166	461	253
W2366	MassDEP	E. coli	06/18/13	07/29/13	2	25	70	41



Variable*	Result
Samples	3
SeasGM	253
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	33%

Variable*	Result
Samples	2
SeasGM	41
#GMI	0
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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
Insufficient Information	NO

2024/26 Use Attainment Summary
Too limited bacteria data are available to assess the Secondary Contact Recreation Use for Unnamed Tributary (MA95-98) and available aesthetics observations for this AU did not result in any impairment, so it is assessed as having Insufficient Information. MassDEP staff collected *E. coli* bacteria samples three-quarters of the way down this Unnamed Tributary at W2366 [unnamed tributary (locally known as 'Woodland Brook') to E Branch Westport River, just S of #244 Pine Hill Rd, Westport] from 2012-2013 (n=2-3/yr). The *E. coli* data from W2366 are too limited according to the 2024 CALM to assess the Secondary Contact Recreation Use.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2366	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary (locally known as 'Woodland Brook') to East Branch Westport River, just south of #244 Pine Hill Road, Westport]	41.606213	-71.052229

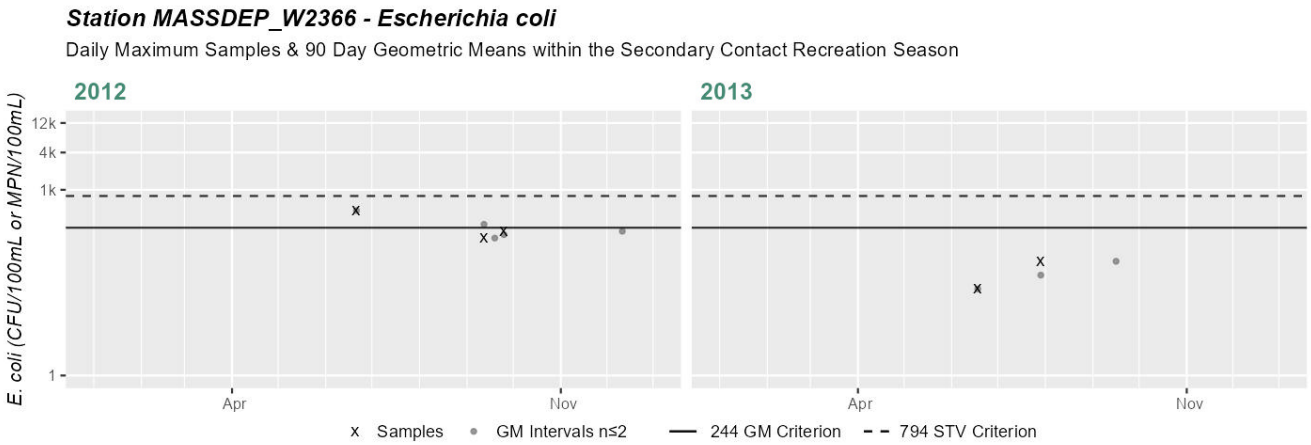
Bacteria Data

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

(MassDEP Undated 9) (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
W2366	MassDEP	E. coli	06/20/12	09/24/12	3	166	461	253
W2366	MassDEP	E. coli	06/18/13	07/29/13	2	25	70	41



Variable*	Result
Samples	3
SeasGM	253
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Variable*	Result
Samples	2
SeasGM	41
#GMI	0
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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 (MA95-99)

Location:	Unnamed tributary to Mattapoisett Harbor, headwaters south of Tower Road, Mattapoisett to mouth at confluence with Mattapoisett Harbor, Mattapoisett (approximately 180 feet near mouth is culverted, from Water Street to western edge of Mattapoisett Town Beach).
AU Type:	RIVER
AU Size:	0.8 MILES
Classification/Qualifier:	B

Unnamed Tributary (MA95-99)

Watershed Area: 0.25 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	0.25	0.25	0.11	0.11
Agriculture	0.7%	0.7%	1.5%	1.5%
Developed	44.3%	44.3%	36.3%	36.3%
Natural	40.9%	40.9%	32%	32%
Wetland	14%	14%	30.2%	30.2%
Impervious	22.2%	22.2%	18.6%	18.6%

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

Recommendations

2024/26 Recommendations
2022IR [Bacteria, Medium] High frequency monitoring should be conducted for *E. coli* and *Enterococcus* in this Unnamed Tributary to Mattapoisett Harbor (MA95-99). Samples should be collected in Mattapoisett at {W2332} Church St, {W2333} Captains Lane and {W2334} culvert outlet (to Mattapoisett Harbor) at western edge of Mattapoisett Town Beach, S off Water St. This tributary discharges directly to the Town beach. An Alert was identified due to the elevated bacteria concentrations documented throughout the AU by MassDEP staff in 2011-2013 during the BST project. *E. coli* samples exceeded the 410 CFU/100ml STV at least once a year at most stations (ranging 435-548 CFU/100ml), as did *Enterococci* on one occasion at W2333 (450 CFU/100ml). Data were too limited (not enough samples within a 90 day interval) to assess the Primary Contact Recreation Use according to the 2024 CALM.

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 (MA95-99) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for Unnamed Tributary (MA95-99) is assessed as Fully Supporting based on the general lack of objectionable conditions noted by MassDEP staff during the summers of 2011 through 2013. MassDEP staff recorded aesthetics observations in the lower quarter of this Unnamed Tributary AU to Mattapoisett Harbor at three stations during the summers of 2011, 2012, and 2013 for the Bacteria Source Tracking project (BST). The station descriptions from upstream to downstream are as follows: Church Street (downstream of road & storm drain) (W2332, n=2 in 2011), Captains Lane (downstream of road & storm drain) (W2333, n=3 in 2011, n=2 in 2012) and at the culvert outlet (to Mattapoisett Harbor) at the western edge of Mattapoisett Town Beach, south off Water Street (W2334, n=1 in 2011, n=2 in 2013). There were generally no noted persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted dense/very dense aquatic vegetation on two occasions in 2011 at Church Street.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2332	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Mattapoisett Harbor, Church Street, Mattapoisett (downstream of road and storm drain)]	41.660692	-70.810393
W2333	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Mattapoisett Harbor, Captains Lane, Mattapoisett (downstream of road and storm drain)]	41.659781	-70.809958
W2334	MassDEP	Water Quality	Unnamed Tributary	[culvert outlet (to Mattapoisett Harbor) at western edge of Mattapoisett Town Beach, south off Water Street, Mattapoisett (outfall not visible on USGS 1977 Marion quadrangle)]	41.658077	-70.809296

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2332	2011	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2332 on Unnamed Tributary (MA95-99) during 2 site visits between Jun 2011 and Sep 2011. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted dense/very dense aquatic plants (n=2). However, aesthetic observations are limited (n<3).
W2333	2011	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2333 on Unnamed Tributary (MA95-99) during 2 site visits between Jun 2011 and Sep 2011. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2333	2012	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2333 on Unnamed Tributary (MA95-99) during 2 site visits between Aug 2012 and Sep 2012. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2334	2011	1	Aesthetic observations were made by MassDEP field sampling crews at Station W2334 on Unnamed Tributary (MA95-99) during 1 site visit on Sep 13, 2011. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2334	2013	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2334 on Unnamed Tributary (MA95-99) during 2 site visits between Aug 2013 and Oct 2013. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).

Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2332	2011	2	2	0
W2333	2011	2	2	0
W2333	2012	2	2	0
W2334	2011	1	1	0
W2334	2013	2	1	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2332	Unnamed Tributary	2011	Aquatic Plant Density, Overall	Dense	1	2
W2332	Unnamed Tributary	2011	Aquatic Plant Density, Overall	Very Dense	1	2
W2332	Unnamed Tributary	2011	Color	None	2	2
W2332	Unnamed Tributary	2011	Odor	None	2	2
W2332	Unnamed Tributary	2011	Periphyton Density, Filamentous	None	1	2
W2332	Unnamed Tributary	2011	Periphyton Density, Filamentous	Sparse	1	2
W2332	Unnamed Tributary	2011	Periphyton Density, Film	Moderate	1	2
W2332	Unnamed Tributary	2011	Periphyton Density, Film	Sparse	1	2
W2332	Unnamed Tributary	2011	Turbidity	Slightly Turbid	2	2
W2333	Unnamed Tributary	2011	Aquatic Plant Density, Overall	None	2	2
W2333	Unnamed Tributary	2011	Color	None	2	2
W2333	Unnamed Tributary	2011	Odor	None	2	2
W2333	Unnamed Tributary	2011	Periphyton Density, Filamentous	None	2	2
W2333	Unnamed Tributary	2011	Periphyton Density, Film	Moderate	1	2

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2333	Unnamed Tributary	2011	Periphyton Density, Film	None	1	2
W2333	Unnamed Tributary	2011	Turbidity	Slightly Turbid	2	2
W2333	Unnamed Tributary	2012	Aquatic Plant Density, Overall	Sparse	2	2
W2333	Unnamed Tributary	2012	Color	None	2	2
W2333	Unnamed Tributary	2012	Odor	None	2	2
W2333	Unnamed Tributary	2012	Periphyton Density, Filamentous	None	2	2
W2333	Unnamed Tributary	2012	Periphyton Density, Film	Moderate	1	2
W2333	Unnamed Tributary	2012	Periphyton Density, Film	Sparse	1	2
W2333	Unnamed Tributary	2012	Turbidity	Slightly Turbid	2	2
W2334	Unnamed Tributary	2011	Aquatic Plant Density, Overall	None	1	1
W2334	Unnamed Tributary	2011	Color	None	1	1
W2334	Unnamed Tributary	2011	Odor	None	1	1
W2334	Unnamed Tributary	2011	Periphyton Density, Filamentous	None	1	1
W2334	Unnamed Tributary	2011	Periphyton Density, Film	None	1	1
W2334	Unnamed Tributary	2011	Turbidity	None	1	1
W2334	Unnamed Tributary	2013	Aquatic Plant Density, Overall	None	1	2
W2334	Unnamed Tributary	2013	Aquatic Plant Density, Overall	NR	1	2
W2334	Unnamed Tributary	2013	Color	None	2	2
W2334	Unnamed Tributary	2013	Odor	None	2	2
W2334	Unnamed Tributary	2013	Periphyton Density, Filamentous	None	1	2
W2334	Unnamed Tributary	2013	Periphyton Density, Filamentous	NR	1	2

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2334	Unnamed Tributary	2013	Periphyton Density, Film	None	1	2
W2334	Unnamed Tributary	2013	Periphyton Density, Film	NR	1	2
W2334	Unnamed Tributary	2013	Turbidity	None	1	2
W2334	Unnamed Tributary	2013	Turbidity	Slightly Turbid	1	2

Primary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	YES

2024/26 Use Attainment Summary

Too limited bacteria data are available to assess the Primary Contact Recreation Use for Unnamed Tributary (MA95-99) and available aesthetics observations for this AU did not result in any impairment, so it is assessed as having Insufficient Information. An Alert is being identified for *Escherichia coli (E. coli).* MassDEP staff collected a limited number of *E. coli* (EC) and *Enterococcus* (Ent) bacteria samples from 2011-2013 at 3 stations in the lower quarter of this Unnamed Tributary AU to Mattapoisett Harbor for the Bacteria Source Tracking project (BST). Samples were collected from the following stations/sample years from upstream to downstream: W2332 [Church St, Mattapoisett (downstream of Rd and storm drain)] in 2011 (EC n=2), W2333 [Captains Lane, Mattapoisett (downstream of Rd and storm drain)] from 2011-2012 (EC n=2/yr & Ent n=1) and W2334 [culvert outlet (to Mattapoisett Harbor) at western edge of Mattapoisett Town Beach, S off Water St, Mattapoisett (outfall not visible on USGS 1977 Marion quadrangle)] from 2011-2013 (EC n=2/yr & Ent n=1). The available *E. coli* data at all three stations are too limited to assess the Primary Contact Recreation Use according to the 2024 CALM (not enough samples within a 90 day interval). However, it should be noted that *E. coli* samples exceeded the 410 CFU/100ml STV at least once a year at most stations (ranging 435-548 CFU/100ml), as did *Enterococci* on one occasion at W2333 (450 CFU/100ml). An Alert is being identified due to the elevated bacteria concentrations documented throughout the AU by MassDEP staff in 2011-2013. Additional monitoring is recommended to confirm if *E. coli* and/or *Enterococcus* is impairing this Unnamed Tributary AU.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2332	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Mattapoisett Harbor, Church Street, Mattapoisett (downstream of road and storm drain)]	41.660692	-70.810393
W2333	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Mattapoisett Harbor, Captains Lane, Mattapoisett (downstream of road and storm drain)]	41.659781	-70.809958
W2334	MassDEP	Water Quality	Unnamed Tributary	[culvert outlet (to Mattapoisett Harbor) at western edge of Mattapoisett Town Beach, south off Water Street, Mattapoisett (outfall not visible on USGS 1977 Marion quadrangle)]	41.658077	-70.809296

Bacteria Data

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

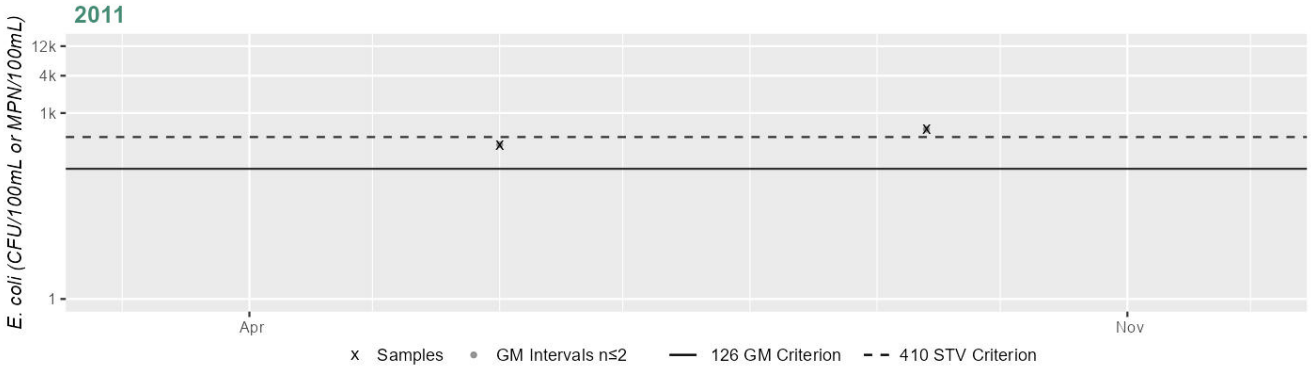
(MassDEP Undated 9) (MassDEP Undated 5)

[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
W2332	MassDEP	E. coli	06/01/11	09/13/11	2	308	548	410
W2333	MassDEP	E. coli	06/01/11	09/13/11	2	145	435	251
W2333	MassDEP	Enterococci	09/28/11	09/28/11	1	450	450	450
W2333	MassDEP	E. coli	08/21/12	09/11/12	2	185	512	307
W2334	MassDEP	E. coli	06/01/11	09/13/11	2	326	512	408
W2334	MassDEP	Enterococci	09/13/11	09/13/11	1	294	294	293
W2334	MassDEP	E. coli	08/21/12	09/27/12	2	96	521	223
W2334	MassDEP	E. coli	08/20/13	10/22/13	2	201	205	202

Station MASSDEP_W2332 - Escherichia coli

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



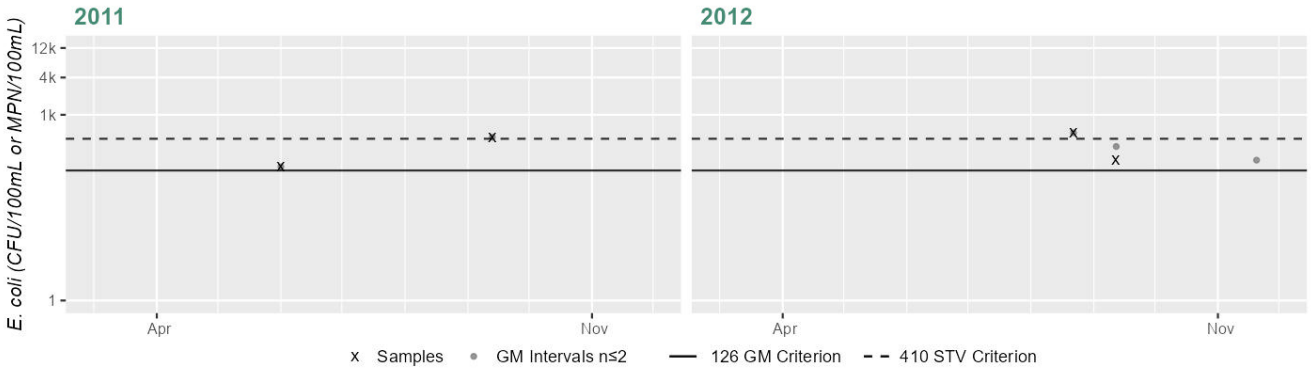
Variable*	Result
Samples	2
SeasGM	410
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	50%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2333 - Escherichia coli

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



Variable*	Result
Samples	2
SeasGM	251
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	50%

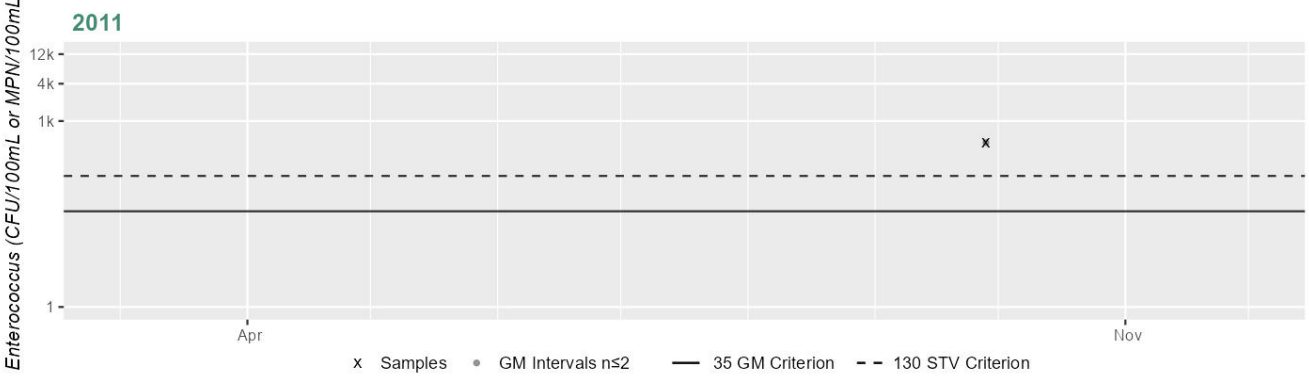
Variable*	Result
Samples	2
SeasGM	307
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	50%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2333 - Enterococcus

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



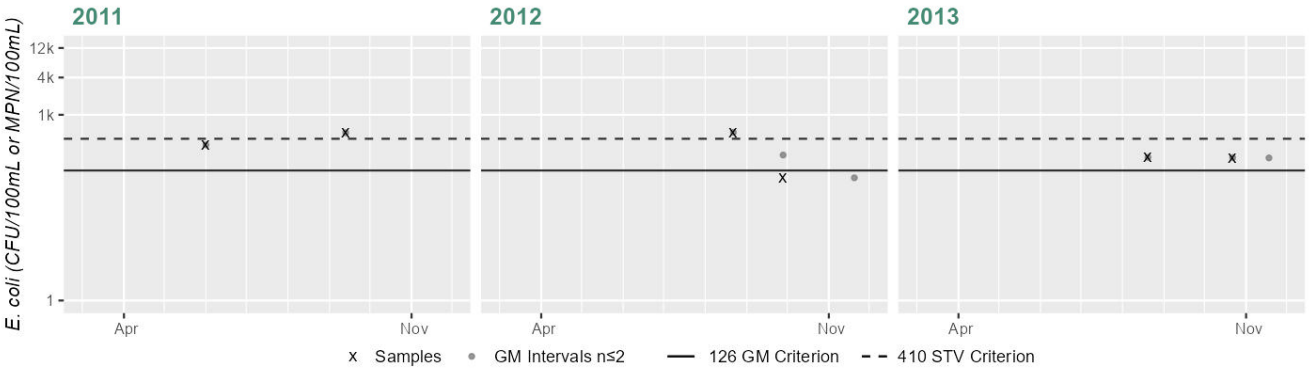
Variable*	Result
Samples	1
SeasGM	450
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	100%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2334 - Escherichia coli

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



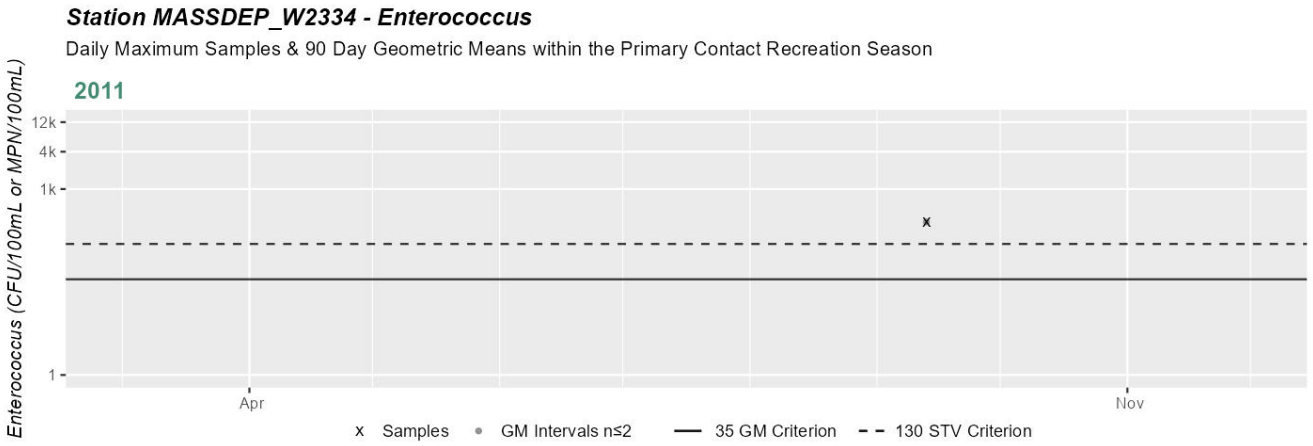
Variable*	Result
Samples	2
SeasGM	408
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	50%

Variable*	Result
Samples	2
SeasGM	223
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	50%

Variable*	Result
Samples	2
SeasGM	202
#GMI	0
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*



Variable*	Result
Samples	1
SeasGM	294
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	100%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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
Insufficient Information	NO

2024/26 Use Attainment Summary
Too limited bacteria data are available to assess the Secondary Contact Recreation Use for Unnamed Tributary (MA95-99) and available aesthetics observations for this AU did not result in any impairment, so it is assessed as having Insufficient Information. MassDEP staff collected a limited number of *E. coli* bacteria samples from 2011-2013 at 3 stations in the lower quarter of this Unnamed Tributary AU to Mattapoisett Harbor for the Bacteria Source Tracking project (BST). Samples were collected from the following stations/sample years from upstream to downstream: W2332 [Church St, Mattapoisett (downstream of Rd and storm drain)] from Jun-Sep 2011 (n=2), W2333 [Captains Lane, Mattapoisett (downstream of Rd and storm drain)] from 2011-2012 (n=2/yr) and W2334 [culvert outlet (to Mattapoisett Harbor) at western edge of Mattapoisett Town Beach, S off Water St, Mattapoisett (outfall not visible on USGS 1977 Marion quadrangle)] from 2011-2013 (n=2-3/yr). The available *E. coli* data at all three stations are too limited to assess the Secondary Contact Recreation Use according to the 2024 CALM (not enough samples within a 90 day interval).

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2332	MassDEP	Water Quality	Unnamed Tributary	[unnamed tributary to Mattapoisett Harbor, Church Street, Mattapoisett (downstream of road and storm drain)]	41.660692	-70.810393
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W2334	MassDEP	Water Quality	Unnamed Tributary	[culvert outlet (to Mattapoisett Harbor) at western edge of Mattapoisett Town Beach, south off Water Street, Mattapoisett (outfall not visible on USGS 1977 Marion quadrangle)]	41.658077	-70.809296

Bacteria Data

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

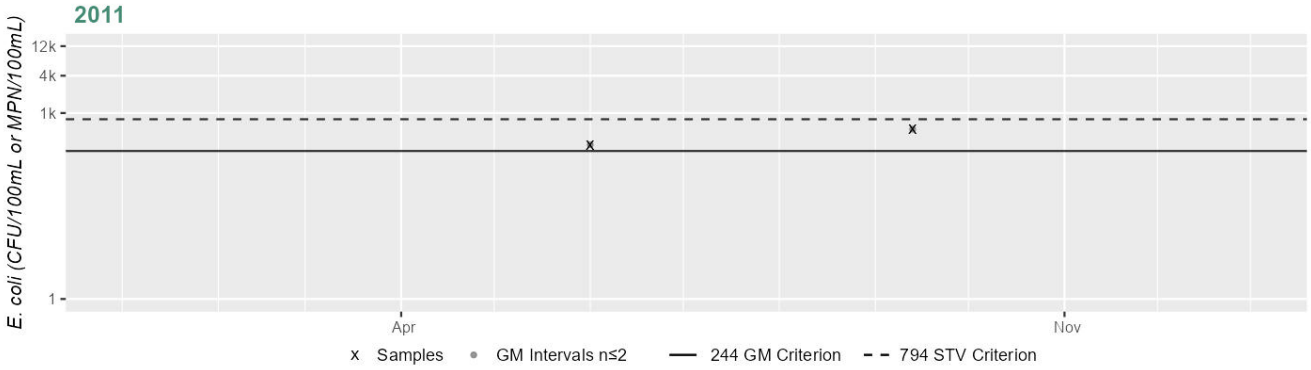
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W2332	MassDEP	E. coli	06/01/11	09/13/11	2	308	548	410
W2333	MassDEP	E. coli	06/01/11	09/13/11	2	145	435	251
W2333	MassDEP	E. coli	08/21/12	09/11/12	2	185	512	307
W2334	MassDEP	E. coli	06/01/11	09/13/11	2	326	512	408
W2334	MassDEP	E. coli	08/21/12	11/26/12	3	96	521	273
W2334	MassDEP	E. coli	08/20/13	10/22/13	2	201	205	202

Station MASSDEP_W2332 - Escherichia coli

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



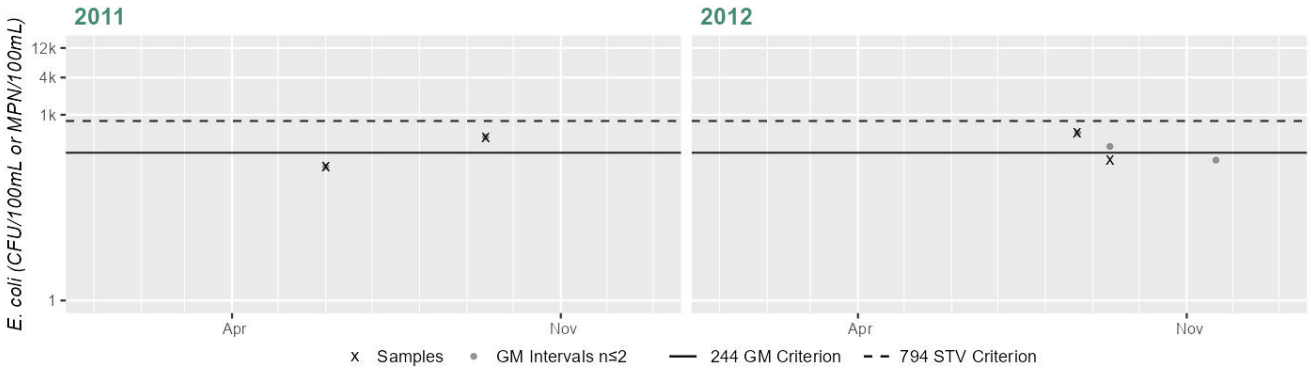
Variable*	Result
Samples	2
SeasGM	410
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2333 - Escherichia coli

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



Variable*	Result
Samples	2
SeasGM	251
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

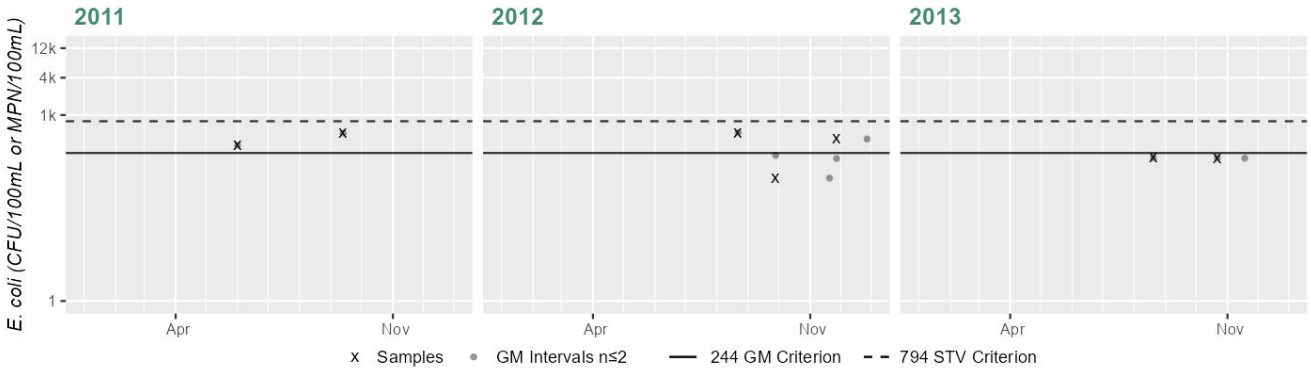
Variable*	Result
Samples	2
SeasGM	307
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2334 - Escherichia coli

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



Variable*	Result
Samples	2
SeasGM	408
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Variable*	Result
Samples	3
SeasGM	273
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Variable*	Result
Samples	2
SeasGM	202
#GMI	0
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Vaughn Pond (MA95153)

Location:	Carver.
AU Type:	FRESHWATER LAKE
AU Size:	20 ACRES
Classification/Qualifier:	B

No usable data were available for Vaughn Pond (MA95153) 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

Wankinco River (MA95-103)

Location:	From southwestern edge of pond at the outlet of Tihonet Pond #2 Dam (NATID: MA00030), Wareham to inlet of Parker Mills Pond, Wareham.
AU Type:	RIVER
AU Size:	0.3 MILES
Classification/Qualifier:	B

No usable data were available for Wankinco River (MA95-103) 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	(Fish Passage Barrier*)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (Y)	X	--	--	--	--

Wankinco River (MA95-50)

Location:	From outlet of Parker Mills Pond, south of Elm Street, Wareham to the confluence with the Agawam River (at a line between a point south of Mayflower Ridge Drive and a point north of the railroad tracks near Sandwich Road (forming headwaters of the Wareham River)) just north of Route 6 bridge, Wareham.
AU Type:	ESTUARY
AU Size:	0.05 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Wankinco River (MA95-50) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Wankinco River (MA95-50): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0469 sq mi (95%). The approved shellfish growing area represents 0 sq mi (0%)and the prohibited shellfish growing area represents 0.0469 sq mi (95%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB36.3	Wareham River	Prohibited	0.04686	95.4%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Wankinco River (MA95-50) is Not Assessed.

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 the Wankinco River (MA95-50) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0469 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Wankinco River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Wankinco River (MA95-50): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0469 sq mi (95%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 the Wankinco River (MA95-50) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0469 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Wankinco River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Wankinco River (MA95-50): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0469 sq mi (95%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Wankinco River (MA95-85)

Location:	From southeastern edge of pond at the outlet of Tihonet Pond #1 Dam (NATID: MA00029), Wareham to the inlet of Parker Mills Pond, Wareham (formerly part of 2014 segment: Wankinco River MA95-30).
AU Type:	RIVER
AU Size:	0.7 MILES
Classification/Qualifier:	B

No usable data were available for Wankinco River (MA95-85) 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

Wankinco River (MA95-86)

Location:	Headwaters, outlet East Head Pond, Carver/Plymouth (follows border through cranberry bogs to inlet Tihonet Pond, Carver/Plymouth (formerly part of 2014 segment: Wankinco River MA95-30).
AU Type:	RIVER
AU Size:	3.6 MILES
Classification/Qualifier:	B

No usable data were available for Wankinco River (MA95-86) 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	(Fish Passage Barrier*)	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (Y)	X	--	--	--	--

Wareham River (MA95-03)

Location:	From confluence of Wankinko and Agawam Rivers at Route 6 bridge, Wareham to Buzzards Bay (at an imaginary line from Cromeset Point to curved point east/southeast of Long Beach Point), Wareham. Including Marks Cove, Wareham.
AU Type:	ESTUARY
AU Size:	1.18 SQUARE MILES
Classification/Qualifier:	SA: SFO, HQW

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	4a	Chlorophyll-a	R1_MA_2024_02	Changed
5	4a	Estuarine Bioassessments	R1_MA_2024_02	Changed
5	4a	Fecal Coliform	36172	Unchanged
5	4a	Nitrogen, Total	R1_MA_2024_02	Changed

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Chlorophyll-a	Agriculture (Y)	X	--	--	--	--	--
Chlorophyll-a	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Chlorophyll-a	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Agriculture (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Municipal Point Source Discharges (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Agriculture (Y)	X	--	--	--	--	--
Nitrogen, Total	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Chlorophyll-a	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Wareham River Estuary System TMDL for Total Nitrogen (Report CN 549.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_02)
Estuarine Bioassessments	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Wareham River Estuary System TMDL for Total Nitrogen (Report CN 549.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_02)
Nitrogen, Total	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: Wareham River Estuary System TMDL for Total Nitrogen (Report CN 549.1, approved 6/4/2024, ATTAINS Action ID: R1_MA_2024_02)

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 Wareham River (MA95-03) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Wareham River (MA95-03): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.1527 sq mi (98%). The approved shellfish growing area represents 0.8767 sq mi (74%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB33.0	Stony Point Dike	Approved	0.14223	12.1%
BB36.0	Wareham River	Approved	0.73449	62.3%
BB36.1	Crooked River	Prohibited	0.00124	0.1%
BB36.12	Mirror Cove	Prohibited	0.00358	0.3%
BB36.13	Narrows Road	Prohibited	0.00032	0.0%
BB36.14	Tempest Knob	Conditionally Approved	0.25330	21.5%
BB36.15	Barnes Street	Prohibited	0.00017	0.0%
BB36.3	Wareham River	Prohibited	0.01250	1.1%
BB36.4	West Shoreline of Marks Cove	Prohibited	0.00472	0.4%
BB36.5	Swifts Beach	Prohibited	0.00016	0.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Wareham River (MA95-03) 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 Wareham River (MA95-03) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Wareham River has 4 beaches with MDPH Beach Closure data: Swift's [Beach ID: 3182], Swift's Neck [Beach ID: 3181], Hamilton Beach [Beach ID: 5463] and Parkwood [Beach ID: 3178] beaches in Wareham. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (1.1527 sq mi) in this AU are less than 100% approved (0.8767 sq mi, 74%) which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Wareham River.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
3178	Parkwood/ Wareham	41.74795, -70.70200	41.74376, -70.70460	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
3181	Swift's Neck/ Wareham	41.73793, -70.71730	41.74003, -70.71570	6%	6%	0%	0%	0%	7%	0%	0%	0%	0
3182	Swift's/ Wareham	41.73637, -70.72150	41.73702, -70.71920	1%	6%	0%	0%	0%	0%	0%	0%	0%	0
5463	Hamilton Beach/ Wareham	41.74182, -70.71170	41.74440, -70.70950	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Wareham River (MA95-03): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.1527 sq mi (98%). The approved shellfish growing area represents 0.8767 sq mi (74%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for the Wareham River (MA95-03) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Wareham River has 4 beaches with MDPH Beach Closure data: Swift's [Beach ID: 3182], Swift's Neck [Beach ID: 3181], Hamilton Beach [Beach ID: 5463] and Parkwood [Beach ID: 3178] beaches in Wareham. All these beaches were rarely, if at all, posted for swimming from 2018-2022. The shellfish growing areas (1.1527 sq mi) in this AU are less than 100% approved (0.8767 sq mi, 74%) which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Wareham River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Wareham River (MA95-03): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.1527 sq mi (98%). The approved shellfish growing area represents 0.8767 sq mi (74%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Wenham Pond (MA95158)

Location:	Carver.
AU Type:	FRESHWATER LAKE
AU Size:	46 ACRES
Classification/Qualifier:	B

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 Wenham Pond (MA95158) 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 Wenham Pond (MA95158) 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 Wenham Pond (MA95158) 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 Wenham Pond (MA95158) are available in the current IR window (2011-2022), so the Secondary Contact Recreation Use is Not Assessed.

West Branch Westport River (MA95-37)

Location:	West of Quail Trail, Westport to mouth at Westport Harbor/Westport River, Westport.
AU Type:	ESTUARY
AU Size:	1.29 SQUARE MILES
Classification/Qualifier:	SA: SFO, HQW

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Estuarine Bioassessments	67641	Unchanged
4a	4a	Fecal Coliform	36172	Unchanged
4a	4a	Nitrogen, Total	67641	Unchanged
4a	4a	Nutrient/Eutrophication Biological Indicators	67641	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Agriculture (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Agriculture (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Nitrogen, Total	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Agriculture (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (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 West Branch Westport River (MA95-37) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary

West Branch Westport River (MA95-37): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.2662 sq mi (99%). The approved shellfish growing area represents 0.2251 sq mi (18%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB3.12	Upper River	Conditionally Approved	0.23441	18.2%
BB3.15	River Road	Prohibited	0.07770	6.0%
BB3.19	Judy Island	Conditionally Approved	0.23862	18.6%
BB3.2	Grasshopper Point Brook	Prohibited	0.00072	0.1%
BB3.3	North End of River	Prohibited	0.19496	15.2%
BB3.31	Point Bial	Prohibited	0.29407	22.9%
BB3.34	Carey's Boat Yard	Prohibited	0.00064	0.0%
BB3.39	Canoe Rock	Approved	0.22507	17.5%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for West Branch Westport River (MA95-37) is Not Assessed.

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 the West Branch Westport River (MA95-37) so it is assessed as having Insufficient Information. The shellfish growing areas (1.2662 sq mi) in this AU are less than 100% approved (0.2251 sq mi, 18%) which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of West Branch Westport River. Bacteria Source Tracking (BST) was conducted in 2013 at 4 sites in the headwater tributaries (not an AU) to West Branch Westport River. The closest sample site to this AU was at the outlet of Grays Mill Pond, Adamsville, RI. Over all 4 sites *E. coli* concentrations ranged 21 to 410 MPN and no correctable sources were ever found. BST work was also conducted on the Dunhams Brook AU in 2018 and *E. coli* concentrations ranging 185 to 727 MPN were observed in the flowing waters at the downstream end of the brook. No human sources were found on Dunhams Brook. Also in 2018, two samples were analyzed from the Hicks Cove area of the West Branch Westport River documenting a maximum *E. coli* concentration of 86 MPN.

Bacteria Data

Summary Statement for 2011-2019 MassDEP Bacteria Source Tracking (BST) Data (MassDEP Undated 1)

Summary
BST work was conducted in 2013 at 4 sites in the headwater tributaries (not an AU) to West Branch Westport River AU (MA95-37). The closest sample site to the AU was at the outlet of Grays Mill Pond, Adamsville, RI. Over all 4 sites *E. coli* concentrations ranged 21 to 410MPN and no correctable sources were ever found. BST work was also conducted on the Dunhams Brook AU in 2018 and *E. coli* concentrations ranging 185 to 727MPN were observed in the still flowing waters, at the downstream end of the brook. No human sources were found on Dunhams Brook. Also in 2018, two samples were analyzed from the Hicks Cove area of the AU with a max *E. coli* concentration of 86MPN.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
West Branch Westport River (MA95-37): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.2662 sq mi (99%). The approved shellfish growing area represents 0.2251 sq mi (18%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 the West Branch Westport River (MA95-37) so it is assessed as having Insufficient Information. The shellfish growing areas (1.2662 sq mi) in this AU are less than 100% approved (0.2251 sq mi, 18%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of West Branch Westport River. Bacteria Source Tracking (BST) was conducted in 2013 at 4 sites in the headwater tributaries (not an AU) to West Branch Westport River. The closest sample site to this AU was at the outlet of Grays Mill Pond, Adamsville, RI. Overall 4 sites *E. coli* concentrations ranged 21 to 410 MPN and no correctable sources were ever found. BST work was also conducted on the Dunhams Brook AU in 2018 and *E. coli* concentrations ranging 185 to 727 MPN were observed in the flowing waters at the downstream end of the brook. No human sources were found on Dunhams Brook. Also in 2018, two samples were analyzed from the Hicks Cove area of the West Branch Westport River documenting a maximum *E. coli* concentration of 86 MPN.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
West Branch Westport River (MA95-37): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 1.2662 sq mi (99%). The approved shellfish growing area represents 0.2251 sq mi (18%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

West Falmouth Harbor (MA95-22)

Location:	From the confluence with Harbor Head at Chappaquoit Road, Falmouth to the mouth at Buzzards Bay at a line connecting the ends of the seawalls from Little Island and Chappaquoit Point, Falmouth (including Inner West Falmouth Harbor, Outer West Falmouth Harbor, Snug Harbor, and Mashapaquit Creek).
AU Type:	ESTUARY
AU Size:	0.29 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	4a	Estuarine Bioassessments	34332, 34328	Unchanged
5	4a	Fecal Coliform	36172	Unchanged
5	4a	Nitrogen, Total	34332, 34918, 34917, 34328	Unchanged
5	4a	Nutrient/Eutrophication Biological Indicators	34328	Changed

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Septage Disposal (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nitrogen, Total	Septage Disposal (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Municipal Point Source Discharges (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Septage Disposal (Y)	X	--	--	--	--	--

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Nutrient/Eutrophication Biological Indicators	TMDL approved or established by EPA (4a)	Impairment covered under TMDL: FINAL West Falmouth Harbor Embayment System Total Maximum Daily Loads for Total Nitrogen (Report CN 243.0, approved 5/5/2008, ATTAINS Action ID: 34328)

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 Falmouth Harbor (MA95-22) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
West Falmouth Harbor (MA95-22): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2727 sq mi (93%). The approved shellfish growing area represents 0.0001 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB51.0	North Falmouth Outer Harbor	Approved	0.00009	0.0%
BB54.0	West Falmouth Harbor	Conditionally Approved	0.23576	80.4%
BB54.1	Snug Harbor East	Prohibited	0.03688	12.6%
BB54.2	West Falmouth Harbor	Restricted	0.00000	0.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for West Falmouth Harbor (MA95-22) 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 West Falmouth Harbor (MA95-22) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Chapoquoit Associates - Little Beach [Beach ID: 2822] beach in Falmouth indicated that this beach was never posted for swimming from 2018-2022. In addition the shellfish growing areas (0.2727 sq mi) in this AU are less than 100% approved (0.0001 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of West Falmouth Harbor.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2822	Chapoquoit Associates - Little Beach/ Falmouth	41.60559, -70.64650	41.60475, -70.64460	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
West Falmouth Harbor (MA95-22): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2727 sq mi (93%). The approved shellfish growing area represents 0.0001 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for West Falmouth Harbor (MA95-22) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. MDPH Beach Closure data for Chapoquoit Associates - Little Beach [Beach ID: 2822] beach in Falmouth indicated that this beach was never posted for swimming from 2018-2022. The shellfish growing areas (0.2727 sq mi) in this AU are less than 100% approved (0.0001 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of West Falmouth Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
West Falmouth Harbor (MA95-22): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.2727 sq mi (93%). The approved shellfish growing area represents 0.0001 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Westport River (MA95-54)

Location:	From the confluences of the East Branch Westport River and the West Branch Westport River to Rhode Island Sound (at a line from the southwestern tip of Horseneck Point to the easternmost point near Westport Light), Westport (includes Westport Harbor and Hulda Cove).
AU Type:	ESTUARY
AU Size:	0.74 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	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 Westport River (MA95-54) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Westport River (MA95-54): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.731 sq mi (99%). The approved shellfish growing area represents 0.2007 sq mi (27%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB3.0	Corey's Island	Approved	0.10751	14.5%
BB3.1	Westport Harbor Mooring Area	Conditionally Approved	0.22755	30.8%
BB3.31	Point Bial	Prohibited	0.19736	26.7%
BB3.37	Main Road	Prohibited	0.00020	0.0%
BB3.39	Canoe Rock	Approved	0.09166	12.4%
BB3.40	West of Route 88 Bridge	Approved	0.00158	0.2%
BB3.41	Boat House Row	Prohibited	0.06911	9.4%
BB3.5	Tripps Marina & Westport Yacht Club	Prohibited	0.03607	4.9%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Westport River (MA95-54) 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 Westport River (MA95-54) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Westport River has 3 beaches with MDPH Beach Closure data: Cherry and Webb [Beach ID: 3211], Spindle Rock [Beach ID: 3200] and Town-Yacht [Beach ID: 3205] beaches in Westport. All these beaches were rarely, if at all, posted for swimming from 2018-2022. The shellfish growing areas (0.731 sq mi) in this AU are less than 100% approved (0.2007 sq mi, 27%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Westport River.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
3200	Spindle Rock/ Westport	41.51309, -71.09780	41.51030, -71.09740	0%	0%	0%	0%	0%	0%	0%	7%	0%	0
3205	Town-Yacht/ Westport	41.51334, -71.07570	41.51343, -71.07540	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
3211	Cherry and Webb/ Westport	41.51200, -71.08940	41.50896, -71.07510	0%	0%	0%	0%	0%	0%	0%	0%	0%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Westport River (MA95-54): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.731 sq mi (99%). The approved shellfish growing area represents 0.2007 sq mi (27%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Secondary Contact Recreation Use for the Westport River (MA95-54) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Westport River has 3 beaches with MDPH Beach Closure data: Cherry and Webb [Beach ID: 3211], Spindle Rock [Beach ID: 3200] and Town-Yacht [Beach ID: 3205] beaches in Westport. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.731 sq mi) in this AU are less than 100% approved (0.2007 sq mi, 27%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Westport River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

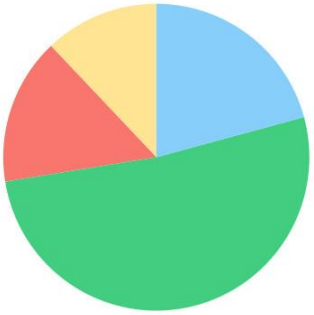
Summary
Westport River (MA95-54): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.731 sq mi (99%). The approved shellfish growing area represents 0.2007 sq mi (27%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Weweantic River (MA95-04)

Location:	Headwaters confluence of Rocky Meadow and South Meadow brooks, Carver to the inlet of Horseshoe Pond, Wareham (through former 2014 segment: Tremont Mill Pond MA95150).
AU Type:	RIVER
AU Size:	11.5 MILES
Classification/Qualifier:	B: WWF, HQW

Weweantic River (MA95-04)

Watershed Area: 56.82 square miles



Land Cover Type	Entire Basin	Proximal Subbasin (5 km radius)	Stream Buffer (100 m)	Proximal Stream Buffer
Land Cover Area (square miles)	56.82	4.51	27.09	2.54
Agriculture	12.1%	9.6%	22.5%	16.7%
Developed	15.5%	24.4%	11.6%	14.4%
Natural	51.7%	51.3%	45.9%	48.7%
Wetland	20.8%	14.8%	20%	20.2%
Impervious	5.8%	12.5%	3.6%	6%

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	4a	(Fish Passage Barrier*)	--	Unchanged
5	4a	(Non-Native Aquatic Plants*)	--	Unchanged
5	4a	Enterococcus	R1_MA_2024_04	Changed

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Fish Passage Barrier*)	Hydrostructure Impacts on Fish Passage (Y)	X	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	AES	PCR	SCR
(Non-Native Aquatic Plants*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
Enterococcus	Source Unknown (N)	--	--	--	X	--

Supporting Information for Removed Impairments

2022 Removed Impairment	Removal Reason	Removal Comment
Enterococcus	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 Weweantic River (MA95-04) 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 Weweantic River (MA95-04) is Not Assessed.

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for the Weweantic River (MA95-04) are available, so the Primary Contact Recreation Use continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No bacteria or other indicator data for the Weweantic River (MA95-04) 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 this Weweantic River AU in 2005 at 2 stations. Samples were collected from the following stations/sample years from upstream to downstream: a third of the way down the AU at W1385 [Rochester Rd, Carver] from May-Sep 2005 (n=6) and at the downstream end of the AU at W1386 [Fearing Hill Rd, Wareham] from May-Sep 2005 (n=6). Analysis of the historic single year limited frequency *E. coli* datasets from W1385 & W1386 indicated 33% & 16% of intervals had GMs >244 CFU/100ml, 1 sample exceeded the 794 CFU/100ml STV (1,600 CFU in both cases) and the overall GM's were 85 & 47 CFU/100ml respectively. Historic *E. coli* data from both W1385 and W1386 are inconclusive according to the 2024 CALM to assess the Secondary Contact Recreation Use because the single year, limited frequency datasets included both GMs below the threshold and an exceedance of the STV threshold. 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
W1385	MassDEP	Water Quality	Weweantic River	[Rochester Road, Carver]	41.829440	-70.771452
W1386	MassDEP	Water Quality	Weweantic River	[Fearing Hill Road, Wareham]	41.770196	-70.754498

Bacteria Data

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

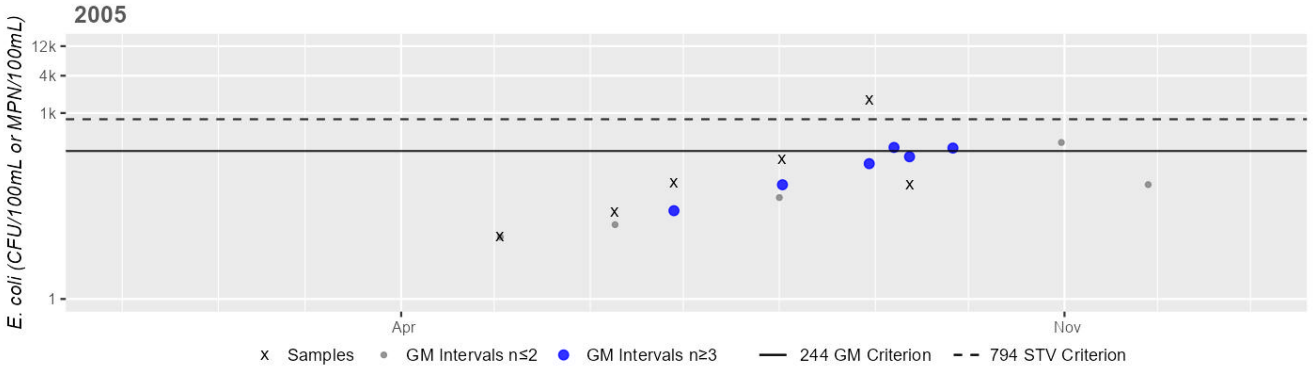
(MassDEP Undated 9) (MassDEP Undated 4)

[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
W1385	MassDEP	E. coli	05/03/05	09/12/05	6	10	1600	85
W1386	MassDEP	E. coli	05/03/05	09/12/05	6	5	1600	47

Station MASSDEP_W1385 - Escherichia coli

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



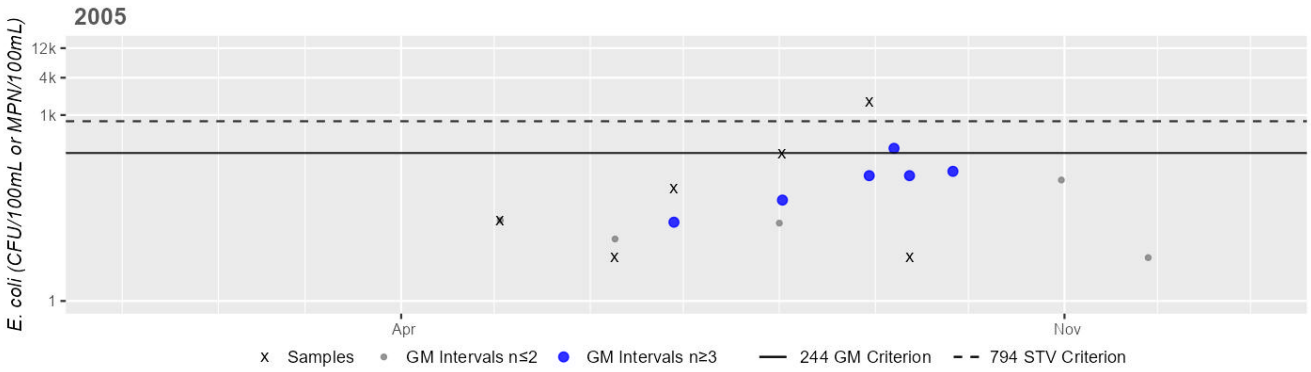
Variable*	Result
Samples	6
SeasGM	85
#GMI	6
#GMI Ex	2
%GMI Ex	33%
n>STV	1
%n>STV	16%

Cumulative %GMI Exceedance
Historic (1997-2010)
33%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W1386 - Escherichia coli

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



Variable*	Result
Samples	6
SeasGM	47
#GMI	6
#GMI Ex	1
%GMI Ex	16%
n>STV	1
%n>STV	16%

Cumulative %GMI Exceedance
Historic (1997-2010)
16%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Weweantic River (MA95-05)

Location:	Outlet Horseshoe Pond, Wareham to mouth at Buzzards Bay, Marion/Wareham.
AU Type:	ESTUARY
AU Size:	0.62 SQUARE MILES
Classification/Qualifier:	SA: SFO, HQW

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Dissolved Oxygen	--	Unchanged
5	5	Enterococcus	36172	Unchanged
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	36172	Unchanged
5	5	Nitrogen, Total	--	Unchanged
5	5	Nutrient/Eutrophication Biological Indicators	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Dissolved Oxygen	Source Unknown (N)	X	--	--	--	--	--
Enterococcus	Source Unknown (N)	--	--	--	--	X	--
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Source Unknown (N)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Source Unknown (N)	X	--	--	--	--	--

Recommendations

2024/26 Recommendations
2000IR [Transparency/Clarity, Low] Monitoring staff should document additional observations of water clarity in the Weweantic River AU (MA95-05) in particular in the stretch downstream of the Rt.6 bridge, Wareham, to confirm if the Primary Recreation Use for this AU is impaired for Transparency/Clarity. In 2001 the water clarity downstream from the Rt.6 bridge (no station ID's to report) was estimated as less than two feet. This is of low priority; 2000IR [Algae, Low] Monitoring staff should document presence/coverage of areas and range/extent of Sea Lettuce for the Weweantic River (MA95-05), in particular the mid-section of the AU between 13th Avenue and the Rt. 6 bridge (no station ID's to report), to confirm if this is impairing the Aesthetics Use. The prior Alert identified for Algae was identified due to observations in 2001 of sea lettuce (a macroalgae capable of creating nuisance conditions). This is of low priority;

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 Weweantic River (MA95-05) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Weweantic River (MA95-05): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.5923 sq mi (96%). The approved shellfish growing area represents 0 sq mi (0%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB35.0	Weweantic River	Conditionally Approved	0.17423	28.2%
BB35.2	North End of Weweantic River	Prohibited	0.18675	30.2%
BB35.5	Middle River	Conditionally Approved	0.23129	37.4%

Aesthetic

2024/26 Use Attainment	Alert
Insufficient Information	YES

2024/26 Use Attainment Summary

Too limited data are available to assess the Aesthetics Use for Weweantic River (MA95-05), so it is assessed as having Insufficient Information. The prior Alert identified for Transparency/Clarity is being removed and will be maintained under the Primary Contact Recreation Use. The prior Alert identified for Algae due to observations in 2001 of sea lettuce (a macroalgae capable of creating nuisance conditions), is being carried forward. A recommendation will be made for monitoring staff to document additional observations of sea lettuce to confirm if it is impairing the Aesthetics Use. MassDEP staff recorded aesthetics observations at four stations in Wareham in the mid-section of this Weweantic River AU, during the summer of 2014 for the Bacteria Source Tracking project (BST), from up to downstream as follows: the eastern bank just upstream of Rt.6 (W2503, n=2), Briarwood Beach at Wilson St. (W2504, n=2), Briarwood Beach at McKinley St. (W2501, n=2) and Briarwood Beach at Munroe Parkway (W2502, n=2). There were generally no noted objectionable conditions (odors, deposits, growths, or turbidity) at any of the sites. Since all observations were on the same two dates in summer 2014 and all of the sites were on the east bank in the vicinity of Briarwood Beach (poor representativeness), too limited data are available to assess the Aesthetics Use for this Weweantic River AU, so it is assessed as having Insufficient Information.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2501	MassDEP	Water Quality	Weweantic River	[Briarwood beach at McKinley Street, Wareham]	41.736708	-70.741795
W2502	MassDEP	Water Quality	Weweantic River	[Briarwood beach at Munroe Parkway and Washington Drive, Wareham]	41.735591	-70.741194
W2503	MassDEP	Water Quality	Weweantic River	[the eastern bank, just upstream at Route 6, Wareham]	41.738823	-70.746085
W2504	MassDEP	Water Quality	Weweantic River	[Briarwood beach at Wilson Street, Wareham]	41.738109	-70.743413

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W2501	2014	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2501 on Weweantic River (MA95-05) during 2 site visits between Jul 2014 and Aug 2014. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2502	2014	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2502 on Weweantic River (MA95-05) during 2 site visits between Jul 2014 and Aug 2014. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2503	2014	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2503 on Weweantic River (MA95-05) during 2 site visits between Jul 2014 and Aug 2014. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).
W2504	2014	2	Aesthetic observations were made by MassDEP field sampling crews at Station W2504 on Weweantic River (MA95-05) during 2 site visits between Jul 2014 and Aug 2014. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded. However, aesthetic observations are limited (n<3).

Observations of Filamentous/Film Algae at MassDEP Stations (2011-2020) (MassDEP Undated 9) (MassDEP Undated 5)

Station Code	Data Year	Field Sheet Count	Field Sheet Count w/ Film & Filamentous Algae Observations	Dense/ Very Dense Film/ Filamentous Algae
W2501	2014	2	2	0
W2502	2014	2	2	0
W2503	2014	2	1	0
W2504	2014	2	2	0

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2501	Weweantic River	2014	Aquatic Plant Density, Overall	None	2	2
W2501	Weweantic River	2014	Color	None	2	2
W2501	Weweantic River	2014	Odor	None	2	2
W2501	Weweantic River	2014	Periphyton Density, Filamentous	None	2	2
W2501	Weweantic River	2014	Periphyton Density, Film	None	2	2

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W2501	Weweantic River	2014	Turbidity	Slightly Turbid	2	2
W2502	Weweantic River	2014	Aquatic Plant Density, Overall	None	2	2
W2502	Weweantic River	2014	Color	None	2	2
W2502	Weweantic River	2014	Odor	None	2	2
W2502	Weweantic River	2014	Periphyton Density, Filamentous	None	2	2
W2502	Weweantic River	2014	Periphyton Density, Film	None	2	2
W2502	Weweantic River	2014	Turbidity	Slightly Turbid	2	2
W2503	Weweantic River	2014	Aquatic Plant Density, Overall	None	1	2
W2503	Weweantic River	2014	Aquatic Plant Density, Overall	Unobservable	1	2
W2503	Weweantic River	2014	Color	None	2	2
W2503	Weweantic River	2014	Odor	None	2	2
W2503	Weweantic River	2014	Periphyton Density, Filamentous	None	1	2
W2503	Weweantic River	2014	Periphyton Density, Filamentous	Unobservable	1	2
W2503	Weweantic River	2014	Periphyton Density, Film	None	1	2
W2503	Weweantic River	2014	Periphyton Density, Film	Unobservable	1	2
W2503	Weweantic River	2014	Turbidity	Slightly Turbid	2	2
W2504	Weweantic River	2014	Aquatic Plant Density, Overall	None	2	2
W2504	Weweantic River	2014	Color	None	2	2
W2504	Weweantic River	2014	Odor	None	2	2
W2504	Weweantic River	2014	Periphyton Density, Filamentous	None	2	2
W2504	Weweantic River	2014	Periphyton Density, Film	None	2	2
W2504	Weweantic River	2014	Turbidity	Slightly Turbid	2	2

Primary Contact Recreation

2024/26 Use Attainment	Alert
Not Supporting	YES

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for the Weweantic River (MA95-05) continues to be assessed as Not Supporting. The prior *Enterococcus* impairment is being carried forward based on MDPH Beach Closures data not meeting the threshold at 1 beach in 2019 & 2021 and bacteria data not meeting the threshold at 3 stations in 2014. An Alert is being identified for Transparency/Clarity (a transfer from a historical Alert on the Aesthetics Use), due observations in 2001 that "water clarity downstream from the Rt. 6 bridge was estimated as less than two feet" (MassDEP 2003). Weweantic River has 2 beaches with MDPH Beach Closure data: Dexter Lane [Beach ID: 2943] beach in Marion and Briarwood [Beach ID: 5247] beach in Wareham. Beaches were posted for >10% of the swimming season at Briarwood in 2019 (30%) and 2021 (29%) indicating an *Enterococcus* impairment. The shellfish growing areas (0.5923 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of this Weweantic River AU. MassDEP staff collected *Enterococcus* bacteria samples at four stations in Wareham in the mid-section of this Weweantic River AU, during the summer of 2014 for the Bacteria Source Tracking project (BST). Samples were collected from the following stations/sample years: W2503 [the eastern bank, just upstream at Rt. 6] from Jul-Aug 2014 (n=2); W2504 [Briarwood beach at Wilson St] from Jul-Sep 2014 (n=3); W2501 [Briarwood beach at McKinley St] from Jul-Sep 2014 (n=2) and W2502 [Briarwood beach at Munroe Parkway and Washington Drive] from Jul-Aug 2014 (n=2). Analysis of the single year limited frequency *Enterococcus* datasets from stations W2503, W2504 & W2502 indicated 100% of intervals had GMs >35 CFU/100ml, with seasonal GM's of 102, 37 & 72 CFU/100ml respectively. While no samples exceeded the 130 CFU/100ml STV at W2503, 1 sample did exceed the STV at both W2504 & W2502 (maximum's of 275 & 171 CFU). *Enterococcus* data from W2502, W2503, and W2504 are indicative of an *Enterococcus* impairment. The available *Enterococcus* data at W2501 are too limited to assess according to the 2024 CALM. Human marker analysis was also run at two of the beach stations in 2014 to rule out the presence of human sources; results were "Inconclusive" at McKinley St. and "Weak" at Wilson St. At both locations, the *Enterococcus* concentration was so low that there was not enough DNA present to be able to test for the esp. gene. There were some bacteroidetes markers present at both stations, however the lab (State Lab Wall Experiment Station) suggested that it is possible to get false-positive results for bacteroidetes markers from seagull populations. It was concluded that the results were not compelling enough to support the probability of "human related bacteria sources" in the Briarwood Beach area. A population of pigeons was also noted to be roosting under the Rt.6 bridge and was suspected to be a potential source of bacteria to the beach area.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2501	MassDEP	Water Quality	Weweantic River	[Briarwood beach at McKinley Street, Wareham]	41.736708	-70.741795
W2502	MassDEP	Water Quality	Weweantic River	[Briarwood beach at Munroe Parkway and Washington Drive, Wareham]	41.735591	-70.741194
W2503	MassDEP	Water Quality	Weweantic River	[the eastern bank, just upstream at Route 6, Wareham]	41.738823	-70.746085

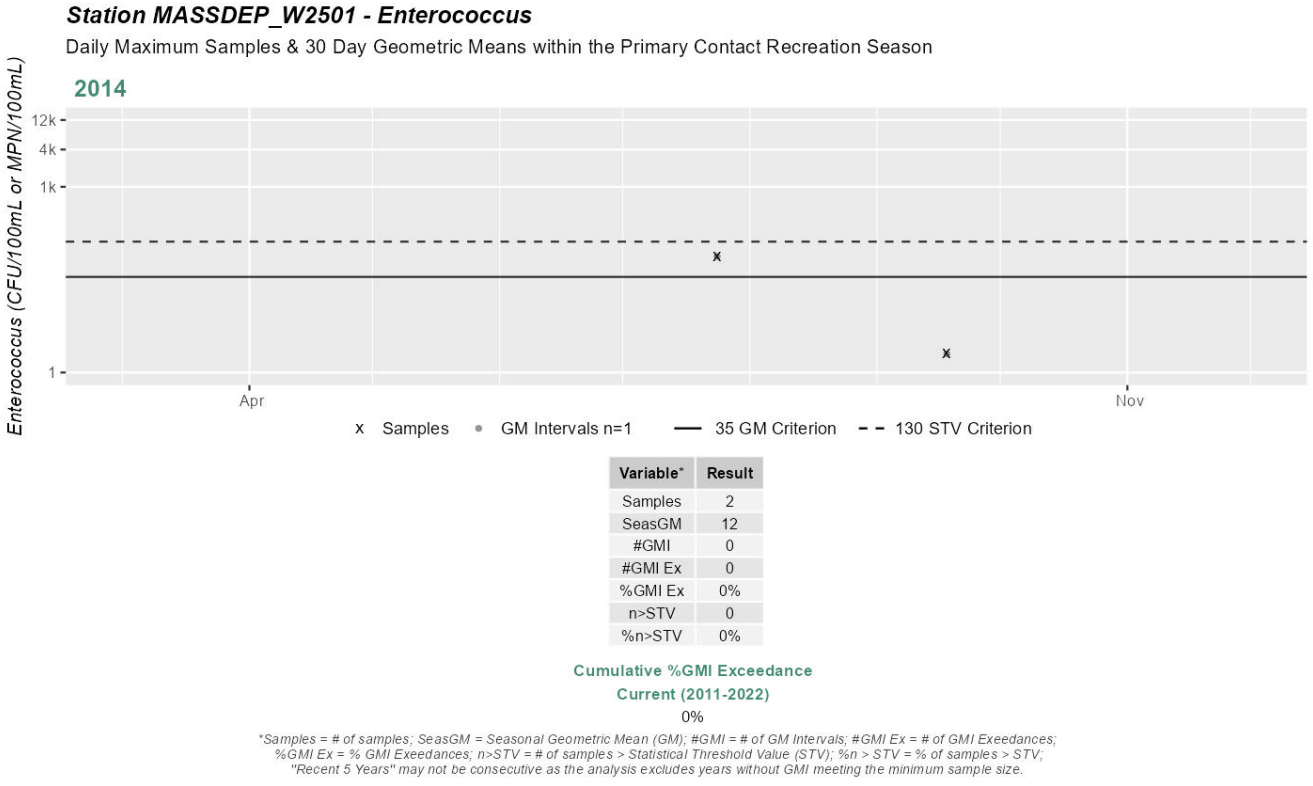
Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2504	MassDEP	Water Quality	Weweantic River	[Briarwood beach at Wilson Street, Wareham]	41.738109	-70.743413

Bacteria Data

Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (30-day Interval Analysis) (MassDEP Undated 9) (MassDEP Undated 5)

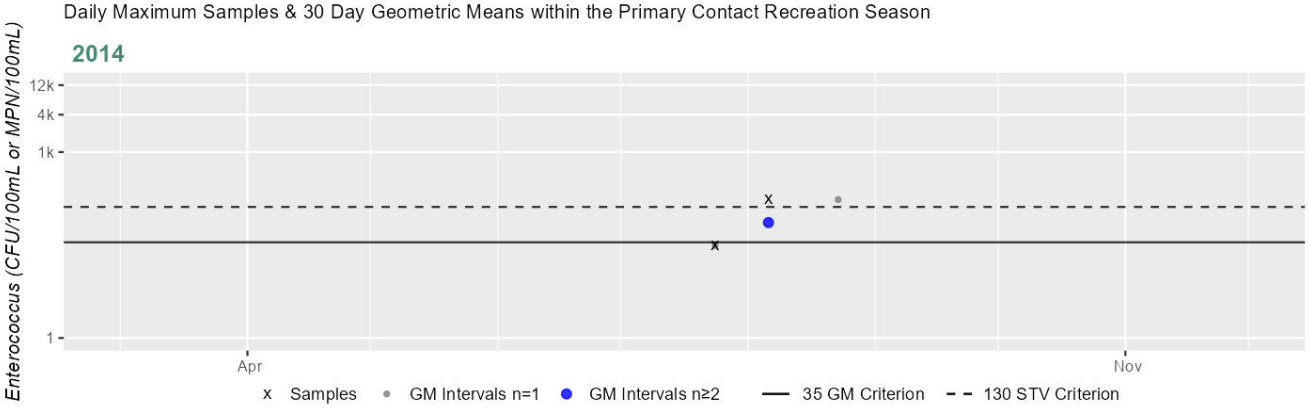
[Result units are CFU/100mL or MPN/100mL]

Station Code	Organization	Indicator	Start Date	End Date	Sample Count	Minimum Sample Result	Maximum Sample Result	Seasonal Geometric Mean
W2501	MassDEP	Enterococcus	07/24/14	09/18/14	2	2	75	12
W2502	MassDEP	Enterococcus	07/24/14	08/06/14	2	31	171	72
W2503	MassDEP	Enterococcus	07/24/14	08/06/14	2	86	122	102
W2504	MassDEP	Enterococcus	07/24/14	09/18/14	3	2	275	37



Station MASSDEP_W2502 - Enterococcus

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



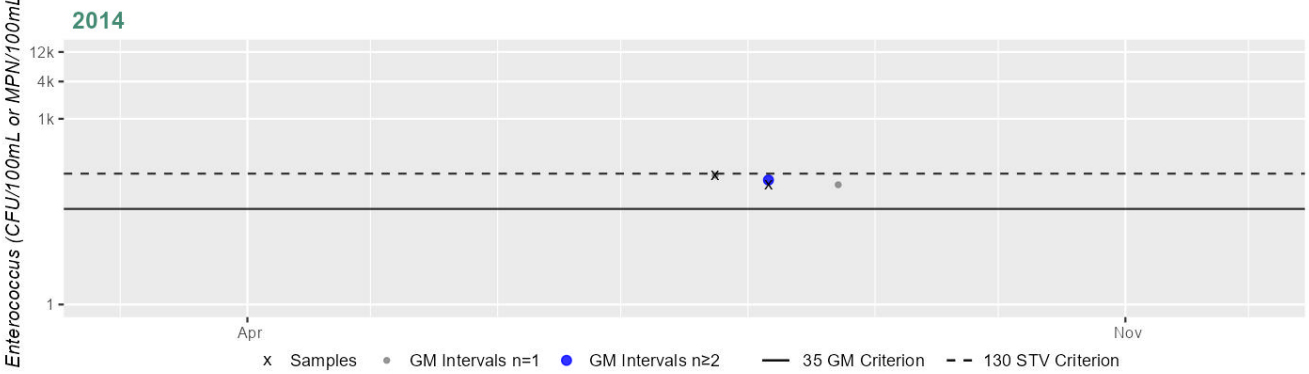
Variable*	Result
Samples	2
SeasGM	72
#GMI	1
#GMI Ex	1
%GMI Ex	100%
n>STV	1
%n>STV	50%

Cumulative %GMI Exceedance
Current (2011-2022)
100%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2503 - Enterococcus

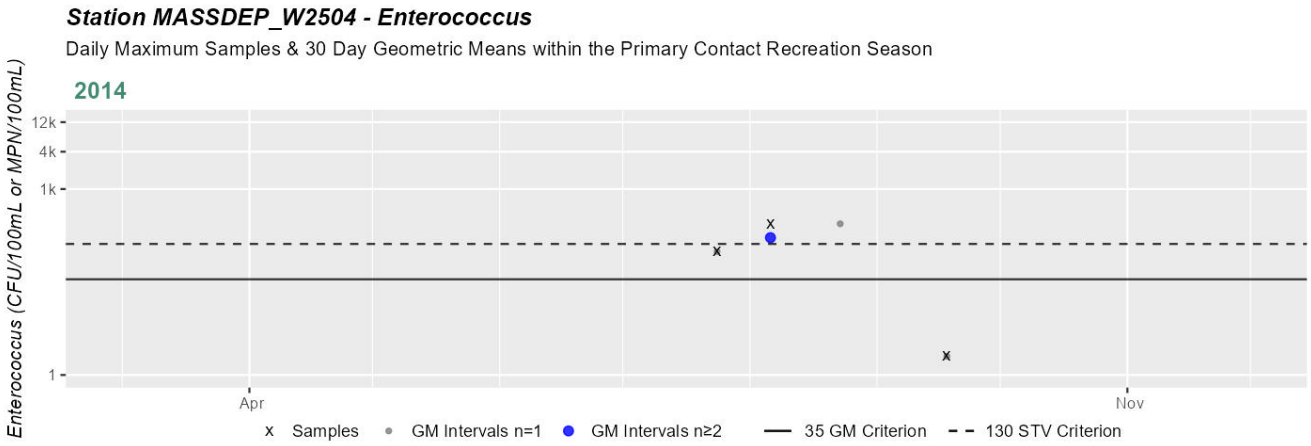
Daily Maximum Samples & 30 Day Geometric Means within the Primary Contact Recreation Season



Variable*	Result
Samples	2
SeasGM	102
#GMI	1
#GMI Ex	1
%GMI Ex	100%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
100%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*



Variable*	Result
Samples	3
SeasGM	37
#GMI	1
#GMI Ex	1
%GMI Ex	100%
n>STV	1
%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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Summary Statement for 2011-2019 MassDEP Bacteria Source Tracking (BST) Data (MassDEP Undated 1)

Summary
BST work was conducted in 2014 and 2015 in the Briarwood Beach area (around the Rt.6 bridge) of the Weweantic River AU (MA95-05). This area became a focus for BST as a result of complaints from the Briarwood Beach Homeowners Association and the Town of Wareham, regarding regular beach closures due to elevated bacteria. Most of the BST samples sites were located along the Briarwood Beach shoreline, though a number were also sampled on the western shore of the river, in the marsh area (via canoe). *E. coli* concentrations ranged 74 to 399MPN and *Enterococcus* concentrations ranged 20 to 836MPN. Human marker analysis was run at 2 beach sites to rule out the presence of human sources; results were “Inconclusive” at McKinley Street and “Weak” at Wilson Street. At both locations, the *Enterococci* concentration was so low that there was not enough DNA present to be able to test for the esp. gene. Also for both there were some bacteroidetes markers present; however the WES lab suggested that it is possible to get false positive results for bacteroidetes markers from seagull populations. It was concluded that the results were not compelling enough to support the probability of “human related bacteria sources” in the Briarwood Beach area. A population of pigeons was also noted to be roosting under the Rt.6 bridge and was suspected to be a potential source of bacteria to the beach area.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2943	Dexter Lane/ Marion	41.72489, -70.73210	41.72487, -70.73200	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
5247	Briarwood/ Wareham	41.73390, -70.74210	41.73868, -70.74490	13%	26%	0%	0%	0%	30%	0%	29%	1%	4

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Weweantic River (MA95-05): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.5923 sq mi (96%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Insufficient Information	NO

2024/26 Use Attainment Summary

Too limited bacteria data are available to assess the Secondary Contact Recreation Use for the Weweantic River (MA95-05) and available aesthetics observations for this AU did not result in any impairment, so it is assessed as having Insufficient Information. Weweantic River has 2 beaches with MDPH Beach Closure data: Dexter Lane [Beach ID: 2943] beach in Marion and Briarwood [Beach ID: 5247] beach in Wareham. Available MDPH Beach Closure data cannot be used to positively assess the Secondary Contact Recreation Use since beaches were posted for >10% of the swimming season: at Briarwood in 2019 and 2021. The shellfish growing areas (0.5923 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Weweantic River. MassDEP staff collected *Enterococcus* bacteria samples at four stations in Wareham in the mid-section of this Weweantic River AU, during the summer of 2014 for the Bacteria Source Tracking project (BST). Samples were collected from the following stations/sample years: W2503 [the eastern bank, just upstream at Rt. 6] from Jul-Aug 2014 (n=2); W2504 [Briarwood beach at Wilson St] from Jul-Sep 2014 (n=3); W2501 [Briarwood beach at McKinley St] from Jul-Sep 2014 (n=2) and W2502 [Briarwood beach at Munroe Parkway and Washington Drive] from Jul-Aug 2014 (n=2). While the available *Enterococcus* data at stations W2503, W2501 & W2502 are too limited to assess according to the 2024 CALM; analysis of the single year limited frequency *Enterococcus* dataset from W2504 indicated 0% of intervals had GMs >68 CFU/100ml, 1 sample exceeded the 252 CFU/100ml STV (275 CFU) and the overall GM was 37 CFU/100ml. *Enterococcus* data from W2504 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. Overall, too limited bacteria data from the current IR window (2011-2022) are available to assess the Secondary Contact Recreation Use.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2501	MassDEP	Water Quality	Weweantic River	[Briarwood beach at McKinley Street, Wareham]	41.736708	-70.741795
W2502	MassDEP	Water Quality	Weweantic River	[Briarwood beach at Munroe Parkway and Washington Drive, Wareham]	41.735591	-70.741194
W2503	MassDEP	Water Quality	Weweantic River	[the eastern bank, just upstream at Route 6, Wareham]	41.738823	-70.746085
W2504	MassDEP	Water Quality	Weweantic River	[Briarwood beach at Wilson Street, Wareham]	41.738109	-70.743413

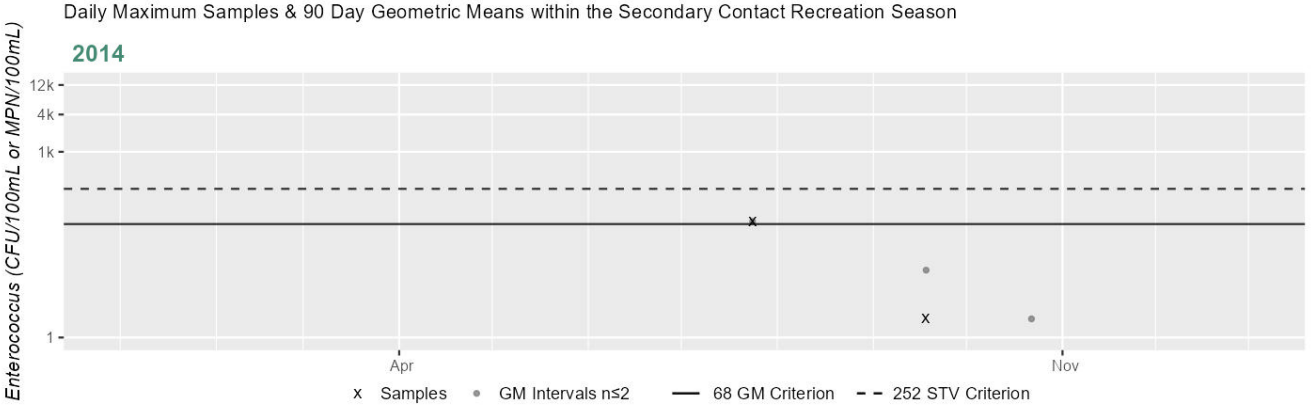
Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (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
W2501	MassDEP	Enterococci	07/24/14	09/18/14	2	2	75	12
W2502	MassDEP	Enterococci	07/24/14	08/06/14	2	31	171	72
W2503	MassDEP	Enterococci	07/24/14	08/06/14	2	86	122	102
W2504	MassDEP	Enterococci	07/24/14	09/18/14	3	2	275	37

Station MASSDEP_W2501 - Enterococcus

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



Variable*	Result
Samples	2
SeasGM	12
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance

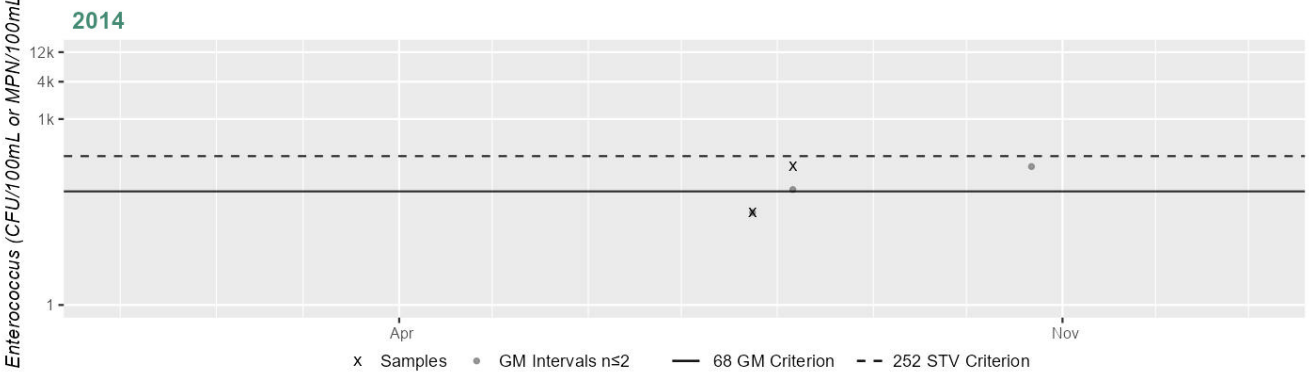
Current (2011-2022)

0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2502 - Enterococcus

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



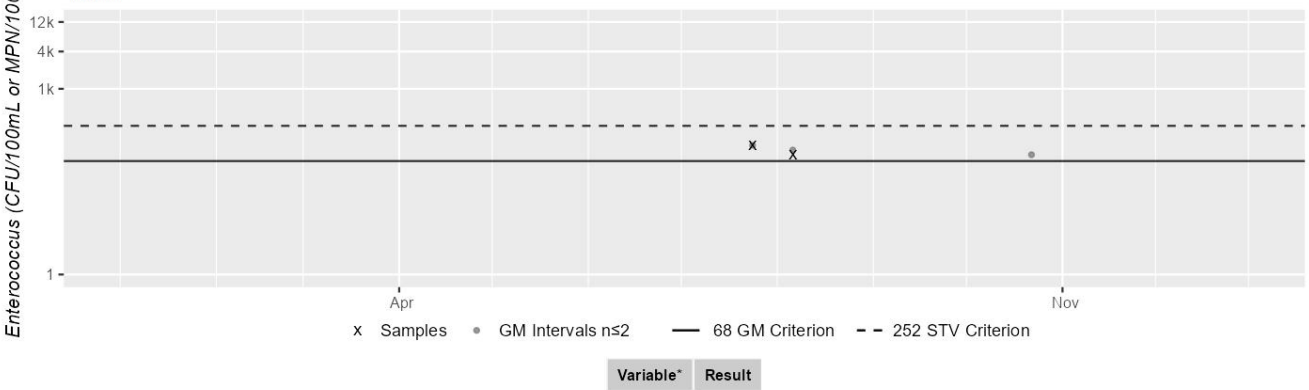
Variable*	Result
Samples	2
SeasGM	72
#GMI	0
#GMI Ex	0
%GMI Ex	0%
n>STV	0
%n>STV	0%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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_W2503 - Enterococcus

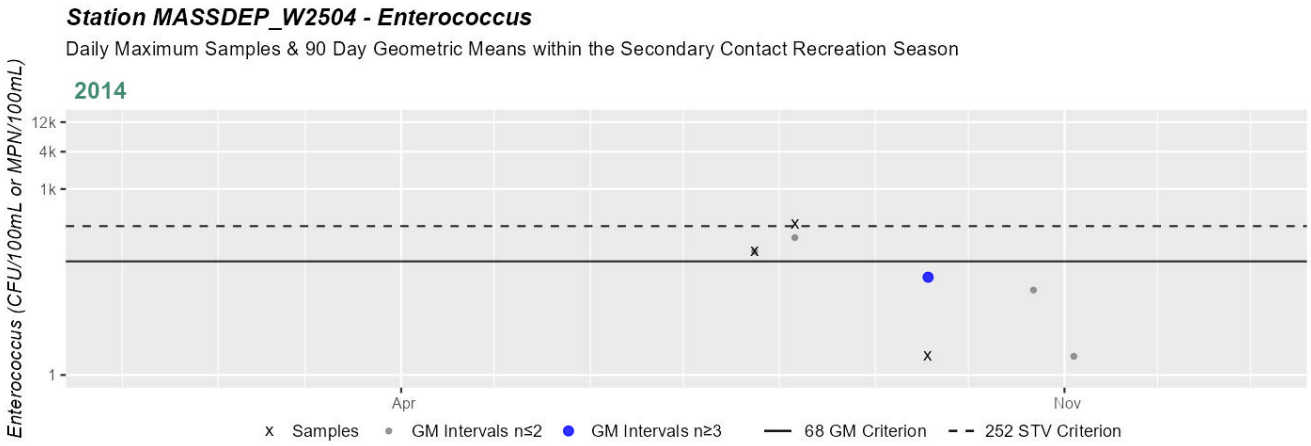
Daily Maximum Samples & 90 Day Geometric Means within the Secondary Contact Recreation Season



Variable*	Result
Samples	2
SeasGM	102
#GMI	0
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*



Variable*	Result
Samples	3
SeasGM	37
#GMI	1
#GMI Ex	0
%GMI Ex	0%
n>STV	1
%n>STV	33%

Cumulative %GMI Exceedance
Current (2011-2022)
0%

**Samples = # of samples; SeasGM = Seasonal Geometric Mean (GM); #GMI = # of GM Intervals; #GMI Ex = # of GMI Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Weweantic River (MA95-05): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.5923 sq mi (96%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

White Island Pond, East Basin (MA95166)

Location:	(East Basin) Plymouth/Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	165 ACRES
Classification/Qualifier:	B

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, Myriophyllum Spicatum*)	--	Unchanged
4c	4c	(Fanwort*)	--	Unchanged
4c	4c	(Swollen Bladderwort*)	--	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, Myriophyllum Spicatum*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Fanwort*)	Introduction of Non-native Organisms (Accidental or Intentional) (Y)	X	--	--	--	--
(Swollen Bladderwort*)	Introduction of Non-native Organisms (Accidental or Intentional) (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 White Island Pond, East Basin (MA95166) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics Use for White Island Pond, East Basin (MA95166) is assessed as Fully Supporting based on MassDEP staff observations of the pond, in the summers of 2011-2014. MassDEP staff recorded aesthetics observations as part of the Lakes Baseline project in the summers of 2011-2014 and the Bacteria Source Tracking project (BST) in the summer of 2014, at three stations for White Island Pond, East Basin: at the southern end, off dock for #31 Lakeview Boulevard, Plymouth (W2473, in 2014 n=4); at the north center of north bay of East Basin, Plymouth (W1602, in 2013 n=3) and the deep hole in the southern lobe of East Basin, Plymouth (W0762, in 2011-2014, n=3-6/yr) . There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted moderate-high turbidity and green water color during the majority of site visits at both W1602 and W0762, as well as dense algae (50-75% coverage) at W0762 on one occasion in August 2011, on four occasions (during every site visit) in 2012 and one occasion in August 2013. It is notable that MassDEP staff did not raise an Aesthetics impairment flag at any time for White Island Pond, East Basin. While the Color and Algae observations are indicative of an Alert status, an Alert will not be made for either Color or Algae because the observations occurred prior to an Alum treatment in 2013 and improvements have been documented since the Alum treatment (see Primary Contact Recreation Use for more details).

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W0762	MassDEP	Water Quality	White Island Pond	[deep hole in southern lobe of East Basin, Plymouth]	41.809183	-70.617531
W1602	MassDEP	Water Quality	White Island Pond	[north center of north bay of East Basin, Plymouth]	41.817800	-70.616971

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2473	MassDEP	Water Quality	White Island Pond	[East Basin, at the southern end, off dock for #31 Lakeview Boulevard, Plymouth]	41.806580	-70.614704

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W0762	2011	3	Aesthetic observations were made by MassDEP field sampling crews at Station W0762 on White Island Pond, East Basin (MA95166) during 3 site visits between Jun 2011 and Aug 2011. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted green water color (n=2).
W0762	2012	4	Aesthetic observations were made by MassDEP field sampling crews at Station W0762 on White Island Pond, East Basin (MA95166) during 4 site visits between Jun 2012 and Sep 2012. There were some objectionable conditions recorded, including green water color (n=4). Field staff also noted moderate turbidity (n=3) and high turbidity (n=1). These conditions are indicative of an Alert status.
W0762	2013	6	Aesthetic observations were made by MassDEP field sampling crews at Station W0762 on White Island Pond, East Basin (MA95166) during 6 site visits between Mar 2013 and Aug 2013. There were some objectionable conditions recorded, including green water color (n=6). Field staff also noted moderate turbidity (n=3). These conditions are indicative of an Alert status.
W0762	2014	4	Aesthetic observations were made by MassDEP field sampling crews at Station W0762 on White Island Pond, East Basin (MA95166) during 4 site visits between Jun 2014 and Sep 2014. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted green water color (n=2).
W1602	2013	3	Aesthetic observations were made by MassDEP field sampling crews at Station W1602 on White Island Pond, East Basin (MA95166) during 3 site visits between Mar 2013 and Apr 2013. There were some objectionable conditions recorded, including green water color (n=3). Field staff also noted high turbidity (n=1). These conditions are indicative of an Alert status.
W2473	2014	4	Aesthetic observations were made by MassDEP field sampling crews at Station W2473 on White Island Pond, East Basin (MA95166) during 4 site visits between May 2014 and Aug 2014. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0762	White Island Pond, East Basin	2011	Aquatic Plant Density, Overall	None	3	3
W0762	White Island Pond, East Basin	2011	Aquatic Plant Density, Whole Lake	Sparse	3	3
W0762	White Island Pond, East Basin	2011	Color	Greenish	2	3
W0762	White Island Pond, East Basin	2011	Color	Light Yellow/Tan	1	3
W0762	White Island Pond, East Basin	2011	Duckweed Density, Whole Lake	None	1	3
W0762	White Island Pond, East Basin	2011	Duckweed Density, Whole Lake	Sparse	2	3
W0762	White Island Pond, East Basin	2011	Objectionable Deposits	No	2	3
W0762	White Island Pond, East Basin	2011	Objectionable Deposits	NR	1	3
W0762	White Island Pond, East Basin	2011	Odor	None	3	3
W0762	White Island Pond, East Basin	2011	Scum	No	2	3
W0762	White Island Pond, East Basin	2011	Scum	NR	1	3
W0762	White Island Pond, East Basin	2011	Turbidity	Moderately Turbid	1	3
W0762	White Island Pond, East Basin	2011	Turbidity	Slightly Turbid	2	3
W0762	White Island Pond, East Basin	2012	Aquatic Plant Density, Overall	None	3	4
W0762	White Island Pond, East Basin	2012	Aquatic Plant Density, Overall	NR	1	4
W0762	White Island Pond, East Basin	2012	Aquatic Plant Density, Whole Lake	None	1	4
W0762	White Island Pond, East Basin	2012	Aquatic Plant Density, Whole Lake	Sparse	3	4
W0762	White Island Pond, East Basin	2012	Color	Greenish	4	4
W0762	White Island Pond, East Basin	2012	Duckweed Density, Whole Lake	None	4	4
W0762	White Island Pond, East Basin	2012	Objectionable Deposits	No	4	4

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0762	White Island Pond, East Basin	2012	Odor	None	4	4
W0762	White Island Pond, East Basin	2012	Scum	No	4	4
W0762	White Island Pond, East Basin	2012	Turbidity	Highly Turbid	1	4
W0762	White Island Pond, East Basin	2012	Turbidity	Moderately Turbid	3	4
W0762	White Island Pond, East Basin	2013	Aesthetics Impaired?	No	3	6
W0762	White Island Pond, East Basin	2013	Aesthetics Impaired?	NR	3	6
W0762	White Island Pond, East Basin	2013	Aquatic Plant Density, Overall	None	6	6
W0762	White Island Pond, East Basin	2013	Aquatic Plant Density, Whole Lake	None	2	6
W0762	White Island Pond, East Basin	2013	Aquatic Plant Density, Whole Lake	Sparse	4	6
W0762	White Island Pond, East Basin	2013	Color	Greenish	6	6
W0762	White Island Pond, East Basin	2013	Duckweed Density, Whole Lake	None	6	6
W0762	White Island Pond, East Basin	2013	Objectionable Deposits	No	6	6
W0762	White Island Pond, East Basin	2013	Odor	None	6	6
W0762	White Island Pond, East Basin	2013	Scum	No	6	6
W0762	White Island Pond, East Basin	2013	Turbidity	Moderately Turbid	3	6
W0762	White Island Pond, East Basin	2013	Turbidity	Slightly Turbid	3	6
W0762	White Island Pond, East Basin	2014	Aesthetics Impaired?	No	4	4
W0762	White Island Pond, East Basin	2014	Aquatic Plant Density, Overall	None	4	4
W0762	White Island Pond, East Basin	2014	Aquatic Plant Density, Whole Lake	Sparse	4	4
W0762	White Island Pond, East Basin	2014	Color	Greenish	2	4

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0762	White Island Pond, East Basin	2014	Color	Light Yellow/Tan	1	4
W0762	White Island Pond, East Basin	2014	Color	None	1	4
W0762	White Island Pond, East Basin	2014	Duckweed Density, Whole Lake	None	3	4
W0762	White Island Pond, East Basin	2014	Duckweed Density, Whole Lake	NR	1	4
W0762	White Island Pond, East Basin	2014	Objectionable Deposits	No	4	4
W0762	White Island Pond, East Basin	2014	Odor	None	4	4
W0762	White Island Pond, East Basin	2014	Scum	No	4	4
W0762	White Island Pond, East Basin	2014	Turbidity	None	1	4
W0762	White Island Pond, East Basin	2014	Turbidity	Slightly Turbid	3	4
W1602	White Island Pond, East Basin	2013	Aesthetics Impaired?	NR	3	3
W1602	White Island Pond, East Basin	2013	Aquatic Plant Density, Overall	None	3	3
W1602	White Island Pond, East Basin	2013	Aquatic Plant Density, Whole Lake	None	1	3
W1602	White Island Pond, East Basin	2013	Aquatic Plant Density, Whole Lake	Sparse	2	3
W1602	White Island Pond, East Basin	2013	Color	Greenish	3	3
W1602	White Island Pond, East Basin	2013	Duckweed Density, Whole Lake	None	2	3
W1602	White Island Pond, East Basin	2013	Duckweed Density, Whole Lake	NR	1	3
W1602	White Island Pond, East Basin	2013	Objectionable Deposits	No	2	3
W1602	White Island Pond, East Basin	2013	Objectionable Deposits	NR	1	3
W1602	White Island Pond, East Basin	2013	Odor	None	3	3
W1602	White Island Pond, East Basin	2013	Scum	No	2	3

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W1602	White Island Pond, East Basin	2013	Scum	NR	1	3
W1602	White Island Pond, East Basin	2013	Turbidity	Highly Turbid	1	3
W1602	White Island Pond, East Basin	2013	Turbidity	Moderately Turbid	1	3
W1602	White Island Pond, East Basin	2013	Turbidity	Slightly Turbid	1	3
W2473	White Island Pond, East Basin	2014	Aesthetics Impaired?	No	4	4
W2473	White Island Pond, East Basin	2014	Aquatic Plant Density, Overall	None	4	4
W2473	White Island Pond, East Basin	2014	Color	None	3	4
W2473	White Island Pond, East Basin	2014	Color	NR	1	4
W2473	White Island Pond, East Basin	2014	Objectionable Deposits	No	4	4
W2473	White Island Pond, East Basin	2014	Odor	None	4	4
W2473	White Island Pond, East Basin	2014	Scum	No	2	4
W2473	White Island Pond, East Basin	2014	Scum	Yes	2	4
W2473	White Island Pond, East Basin	2014	Turbidity	Moderately Turbid	1	4
W2473	White Island Pond, East Basin	2014	Turbidity	None	1	4
W2473	White Island Pond, East Basin	2014	Turbidity	Slightly Turbid	2	4

Primary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary

The Primary Contact Recreation Use for White Island Pond, East Basin (MA95166) is assessed as Fully Supporting based on bacteria data collected at 1 station in 2014. In White Island Pond, East Basin, MassDEP collected Secchi depth data at W0762 [deep hole in southern lobe of East Basin, Plymouth] in 2011-2014 and W1602 [north center of north bay of East Basin, Plymouth] in 2013 and the Town of Plymouth (PLY) collected Secchi depth data at PLY_W.IslandE_DeepHole [Deep spot] in 2014. Secchi depth data are generally indicative of water clarity meeting the 1.2m (4ft) threshold at W0762 in 2011 (station depth=4.4 m), though measurements ranged from 1-1.8 m (n=3) with 1 measurement taken in Aug that was less than the 1.2 m (4 ft) threshold. However, in 2012 at station W0762 (station depth=4.5 m) the Secchi depth measurements ranged from 0.5-1.1 m (n=4) with all 4 measurements in Jun, Jul, Aug, and Sep being less than the 1.2 m (4 ft) threshold, which is indicative of a Transparency / Clarity impairment. In 2013, the Town of Plymouth received a 319 grant to apply alum to the White Island Pond during the spring of 2013 and 2014 to reduce excess phosphorus in the waterbody. The Massachusetts Non Point Source program reported that these applications led to improved water quality conditions as evidenced by increased water transparency and decreased incidence of toxic algae blooms (EPA 2019). Secchi depth data are indicative of water clarity meeting the 1.2m (4ft) threshold at W0762 in 2013 (n=5, 1.4-2.4m), and 2014 (n=4, 2.2-4.3m) and in 2013 at W1602 (station depth=3.7 m) (n=2, 2.3-2.7m). In addition, in 2014 at station PLY_W.IslandE_DeepHole (station depth=4.7 m) the Secchi depth (n=1) was measured to be 2.1 m on Aug 25, 2014 indicating water clarity meeting the threshold, though these data were too limited (n <3) to evaluate water clarity. Prior to the Alum treatments, Secchi depth data collected by MassDEP in 2011 and 2012 was clearly indicative of worse conditions than those in 2013 and 2014 i.e. a steady improvement was documented. Consequently, an impairment for Transparency/Clarity will not be added to White Island Pond at this time. MassDEP staff collected *E. coli* bacteria samples in White Island Pond, East Basin at W2473 [E Basin, at the southern end, off dock for #31 Lakeview Boulevard, Plymouth] from May-Aug 2014 (n=4). Analysis of the single year limited frequency dataset from this station indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV and the seasonal GM was 2 CFU/100ml, which meets 2024 CALM guidance.

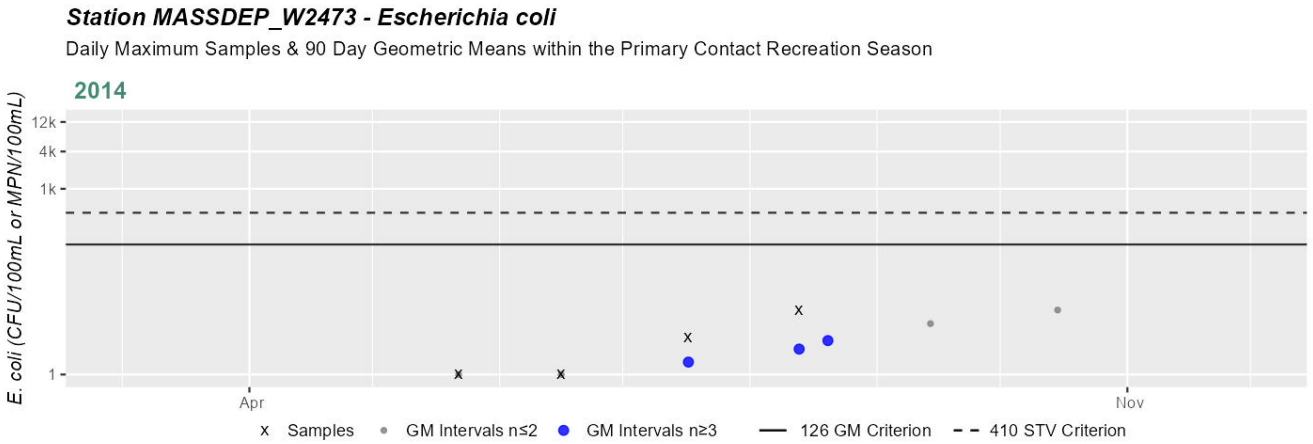
Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2473	MassDEP	Water Quality	White Island Pond	[East Basin, at the southern end, off dock for #31 Lakeview Boulevard, Plymouth]	41.806580	-70.614704

Bacteria Data

Bacteria Data Collected by MassDEP (2011-2020) and External Data Providers (2011-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (MassDEP Undated 5)
[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
W2473	MassDEP	E. coli	05/22/14	08/13/14	4	1	11	2



Variable*	Result
Samples	4
SeasGM	2
#GMI	3
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data
(MassDEP Undated 9) (MassDEP Undated 5) (MassDEP Undated 3)

Data Year(s)	Summary
2011-2014	In White Island Pond, East Basin (MA95166), MassDEP collected Secchi data at W0762 [41.809183, -70.617531, deep hole in southern lobe of East Basin, Plymouth] from 2011-2014 and at W1602 [41.8178, -70.616971, north center of north bay of East Basin, Plymouth] in 2013. The Town of Plymouth (PLY) collected Secchi data at PLY_W.IslandE_DeepHole [41.807611, -70.61575, Deep spot] in 2014. In 2014 at station PLY_W.IslandE_DeepHole (station depth=4.7 m) the Secchi depth (n=1) was measured to be 2.1 m on Aug 25, 2014 indicating water clarity meeting the 1.2 m (4 ft) threshold. In 2011 at station W0762 (station depth=4.4 m) the Secchi depth measurements ranged from 1-1.8 m (n=3) with 1 measurement taken on Aug 16, 2011 that was less than the 1.2 m (4 ft) threshold. In 2012 at station W0762 (station depth=4.5 m) the Secchi depth measurements ranged from 0.5-1.1 m (n=4) with 4 measurements in Jun, Jul, Aug, and Sep that were less than the 1.2 m (4 ft) threshold. In 2013 at station W0762 (station depth=4.8 m) the Secchi depth measurements ranged from 1.4-2.4 m (n=5) indicating water clarity meeting the 1.2 m (4 ft) threshold. In 2014 at station W0762 (station depth=4.5 m) the Secchi depth measurements ranged from 2.2-4.3 m (n=4) indicating water clarity meeting the 1.2 m (4 ft) threshold. In 2013 at station W1602 (station depth=3.7 m) the Secchi depth measurements ranged from 2.3-2.7 m (n=2) indicating water clarity meeting the 1.2 m (4 ft) threshold. The Secchi depth measurements are indicative of a Transparency / Clarity impairment due to conditions at W0762 in 2012; however, these data were collected prior to an Alum treatment in 2013. A Transparency / Clarity impairment will not be added at this time.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for White Island Pond, East Basin (MA95166) is assessed as Fully Supporting based on bacteria data collected at 1 station in 2014. MassDEP staff collected *E. coli* bacteria samples in White Island Pond, East Basin at W2473 [E Basin, at the southern end, off dock for #31 Lakeview Boulevard, Plymouth] from May-Aug 2014 (n=4). Analysis of the single year limited frequency dataset from this station indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM was 2 CFU/100ml. *E. coli* data meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2473	MassDEP	Water Quality	White Island Pond	[East Basin, at the southern end, off dock for #31 Lakeview Boulevard, Plymouth]	41.806580	-70.614704

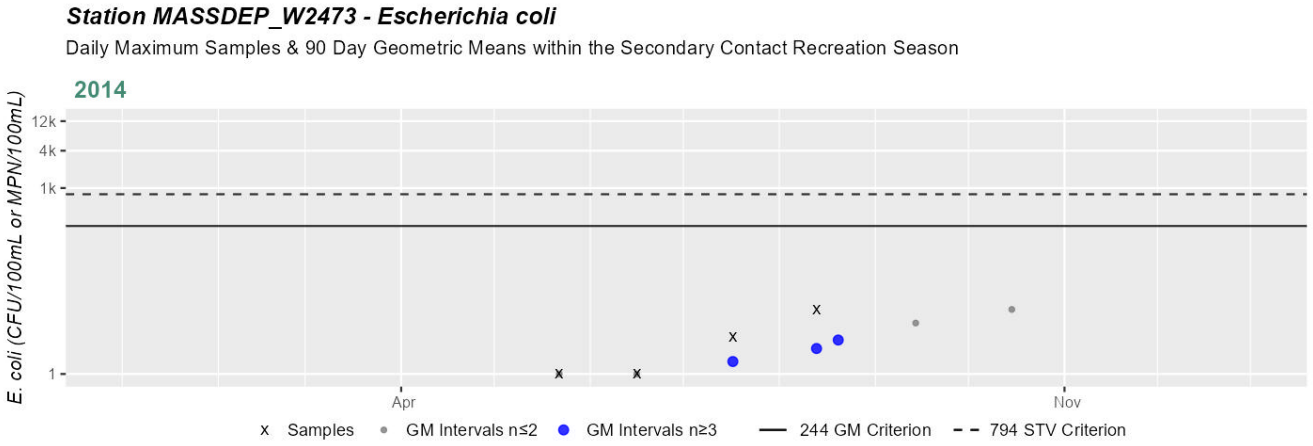
Bacteria Data

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

(MassDEP Undated 9) (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
W2473	MassDEP	E. coli	05/22/14	08/13/14	4	1	11	2



Variable*	Result
Samples	4
SeasGM	2
#GMI	3
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

White Island Pond, West Basin (MA95173)

Location:	(West Basin) Plymouth/Wareham.
AU Type:	FRESHWATER LAKE
AU Size:	123 ACRES
Classification/Qualifier:	B

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	(Fanwort*)	--	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	--	--	--	--
(Fanwort*)	Introduction of Non-native Organisms (Accidental or Intentional) (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 White Island Pond, West Basin (MA95173) is Not Assessed.

Aesthetic

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Aesthetics use for White Island Pond, West Basin (MA95173) is assessed as Fully Supporting based on MassDEP staff observations of the pond in the summers of 2011-2014. MassDEP staff recorded aesthetics observations at two stations for White Island Pond, West Basin at the deep hole in northern lobe of West Basin, Plymouth (W0754) during the summers of 2011-2014 for the Lakes Baseline project (n=3-4/yr) and in the West Basin, at the southern end, at the town beach, Wareham (W2474) during the summer of 2014 for the Bacteria Source Tracking (BST) Project (n=4). There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded at the deep hole station (and none at all at W2474), though field staff noted green water color during nearly every site visit to the deep hole station (n=2-4/yr), high turbidity on one occasion in 2012 as well as dense algae (50-75% coverage) on one occasion in 2011, twice in 2012 and once in 2013. It is notable that MassDEP staff did not raise an Aesthetics impairment flag at any time for White Island Pond, West Basin. While the Color and Algae observations are indicative of an Alert status, an Alert will not be made for either Color or Algae because the observations occurred prior to an Alum treatment in 2013 and improvements have been documented since the Alum treatment (see Primary Contact Recreation Use for more details).

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W0754	MassDEP	Water Quality	White Island Pond	[deep hole in northern lobe of West Basin, Plymouth]	41.809994	-70.627556
W2474	MassDEP	Water Quality	White Island Pond	[West Basin, at the southern end, at the town beach, Wareham]	41.802936	-70.633432

Aesthetic Observations

Aesthetics Summary Statements for MassDEP Stations (2011-2020) (MassDEP Undated 5)

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

Station Code	Data Year	Field Sheet Count	Aesthetics Summary Statement
W0754	2011	3	Aesthetic observations were made by MassDEP field sampling crews at Station W0754 on White Island Pond, West Basin (MA95173) during 3 site visits between Jun 2011 and Aug 2011. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded, though field staff noted green water color (n=2).
W0754	2012	4	Aesthetic observations were made by MassDEP field sampling crews at Station W0754 on White Island Pond, West Basin (MA95173) during 4 site visits between Jun 2012 and Sep 2012. There were some objectionable conditions recorded, including green water color (n=4). Field staff also noted high turbidity (n=1). These conditions are indicative of an Alert status.
W0754	2013	3	Aesthetic observations were made by MassDEP field sampling crews at Station W0754 on White Island Pond, West Basin (MA95173) during 3 site visits between Jun 2013 and Aug 2013. There were some objectionable conditions recorded, including green water color (n=3). These conditions are indicative of an Alert status.
W0754	2014	4	Aesthetic observations were made by MassDEP field sampling crews at Station W0754 on White Island Pond, West Basin (MA95173) during 4 site visits between Jun 2014 and Sep 2014. There were some objectionable conditions recorded, including green water color (n=3). These conditions are indicative of an Alert status.
W2474	2014	4	Aesthetic observations were made by MassDEP field sampling crews at Station W2474 on White Island Pond, West Basin (MA95173) during 4 site visits between May 2014 and Aug 2014. There were generally no persistent objectionable conditions (odors, deposits, growths, or turbidity) recorded.

MassDEP Aesthetics Observations (2011-2020) (MassDEP Undated 9)

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0754	White Island Pond, West Basin	2011	Aquatic Plant Density, Overall	None	3	3
W0754	White Island Pond, West Basin	2011	Aquatic Plant Density, Whole Lake	Sparse	3	3
W0754	White Island Pond, West Basin	2011	Color	Greenish	2	3
W0754	White Island Pond, West Basin	2011	Color	Light Yellow/Tan	1	3

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0754	White Island Pond, West Basin	2011	Duckweed Density, Whole Lake	None	3	3
W0754	White Island Pond, West Basin	2011	Objectionable Deposits	No	3	3
W0754	White Island Pond, West Basin	2011	Odor	None	3	3
W0754	White Island Pond, West Basin	2011	Scum	No	3	3
W0754	White Island Pond, West Basin	2011	Turbidity	Moderately Turbid	1	3
W0754	White Island Pond, West Basin	2011	Turbidity	Slightly Turbid	2	3
W0754	White Island Pond, West Basin	2012	Aquatic Plant Density, Overall	None	3	4
W0754	White Island Pond, West Basin	2012	Aquatic Plant Density, Overall	NR	1	4
W0754	White Island Pond, West Basin	2012	Aquatic Plant Density, Whole Lake	None	1	4
W0754	White Island Pond, West Basin	2012	Aquatic Plant Density, Whole Lake	Sparse	3	4
W0754	White Island Pond, West Basin	2012	Color	Greenish	4	4
W0754	White Island Pond, West Basin	2012	Duckweed Density, Whole Lake	None	4	4
W0754	White Island Pond, West Basin	2012	Objectionable Deposits	No	4	4

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0754	White Island Pond, West Basin	2012	Odor	None	4	4
W0754	White Island Pond, West Basin	2012	Scum	No	4	4
W0754	White Island Pond, West Basin	2012	Turbidity	Highly Turbid	1	4
W0754	White Island Pond, West Basin	2012	Turbidity	Moderately Turbid	2	4
W0754	White Island Pond, West Basin	2012	Turbidity	Slightly Turbid	1	4
W0754	White Island Pond, West Basin	2013	Aesthetics Impaired?	No	3	3
W0754	White Island Pond, West Basin	2013	Aquatic Plant Density, Overall	None	3	3
W0754	White Island Pond, West Basin	2013	Aquatic Plant Density, Whole Lake	Sparse	3	3
W0754	White Island Pond, West Basin	2013	Color	Greenish	3	3
W0754	White Island Pond, West Basin	2013	Duckweed Density, Whole Lake	None	3	3
W0754	White Island Pond, West Basin	2013	Objectionable Deposits	No	3	3
W0754	White Island Pond, West Basin	2013	Odor	None	3	3
W0754	White Island Pond, West Basin	2013	Scum	No	3	3

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0754	White Island Pond, West Basin	2013	Turbidity	Moderately Turbid	2	3
W0754	White Island Pond, West Basin	2013	Turbidity	Slightly Turbid	1	3
W0754	White Island Pond, West Basin	2014	Aesthetics Impaired?	No	3	4
W0754	White Island Pond, West Basin	2014	Aesthetics Impaired?	NR	1	4
W0754	White Island Pond, West Basin	2014	Aquatic Plant Density, Overall	None	4	4
W0754	White Island Pond, West Basin	2014	Aquatic Plant Density, Whole Lake	Sparse	3	3
W0754	White Island Pond, West Basin	2014	Color	Greenish	3	4
W0754	White Island Pond, West Basin	2014	Color	None	1	4
W0754	White Island Pond, West Basin	2014	Duckweed Density, Whole Lake	None	2	3
W0754	White Island Pond, West Basin	2014	Duckweed Density, Whole Lake	NR	1	3
W0754	White Island Pond, West Basin	2014	Objectionable Deposits	No	4	4
W0754	White Island Pond, West Basin	2014	Odor	None	4	4
W0754	White Island Pond, West Basin	2014	Scum	No	4	4

Station Code	Waterbody	Data Year	Parameter	Result	Result Count	Total Field Sheet Count
W0754	White Island Pond, West Basin	2014	Turbidity	None	2	4
W0754	White Island Pond, West Basin	2014	Turbidity	Slightly Turbid	2	4
W2474	White Island Pond, West Basin	2014	Aesthetics Impaired?	No	4	4
W2474	White Island Pond, West Basin	2014	Aquatic Plant Density, Overall	None	3	4
W2474	White Island Pond, West Basin	2014	Aquatic Plant Density, Overall	Sparse	1	4
W2474	White Island Pond, West Basin	2014	Color	None	4	4
W2474	White Island Pond, West Basin	2014	Objectionable Deposits	No	4	4
W2474	White Island Pond, West Basin	2014	Odor	None	4	4
W2474	White Island Pond, West Basin	2014	Scum	No	3	4
W2474	White Island Pond, West Basin	2014	Scum	Yes	1	4
W2474	White Island Pond, West Basin	2014	Turbidity	Moderately Turbid	1	4
W2474	White Island Pond, West Basin	2014	Turbidity	None	1	4
W2474	White Island Pond, West Basin	2014	Turbidity	Slightly Turbid	2	4

Primary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Primary Contact Recreation Use for White Island Pond, West Basin (MA95173) is assessed as Fully Supporting based on Bacteria data collected at 1 station in 2014. In White Island Pond, West Basin, MassDEP collected Secchi depth data at W0754 [deep hole in northern lobe of West Basin, Plymouth] in 2011-2014 and the Town of Plymouth (PLY) collected Secchi depth data at PLY_W.IslandW_DeepHole [Deep spot] in 2014. Secchi depth data indicated water clarity meeting the 1.2m (4ft) threshold at W0754 (station depth=4.2 m) in 2011 (n=3, 1.2-2.2m), however in 2012 at station W0754 (station depth=4.2 m) the Secchi depth measurements ranged from 0.9-2 m (n=4) with 2 measurements in Aug and Sep that were less than the 1.2 m (4 ft) threshold. In 2013, the Town of Plymouth received a 319 grant to apply alum to the White Island Pond during the spring of 2013 and 2014 to reduce excess phosphorus in the waterbody. The Massachusetts Non Point Source program reported that these applications led to improved water quality conditions as evidenced by increased water transparency and decreased incidence of toxic algae blooms (EPA 2019). Then MassDEP staff found that Secchi depth data indicated water clarity meeting the 1.2m (4ft) threshold at W0754 (station depth=4.6 m) in 2013 (n=3, 1.2-2m) and W0754 (station depth=4.1 m) in 2014 (n=4, 1.8-3.7m). Since Alum treatments were utilized to actively improve the water quality of White Island Pond and Secchi depth measurements collected (in the years following the treatment by MassDEP in 2013 and 2014) all met the 1.2m (4ft) threshold; an impairment for Transparency/Clarity will not be added to White Island Pond, West Basin at this time. In addition, MassDEP staff collected *E. coli* bacteria samples in White Island Pond, West Basin at W2474 [W Basin, at the southern end, at the town beach, Wareham] from May-Aug 2014 (n=4). Analysis of the single year limited frequency dataset from this station indicated 0% of intervals had GMs >126 CFU/100ml, no samples exceeded the 410 CFU/100ml STV and the seasonal GM was 3 CFU/100ml. *E. coli* data meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2474	MassDEP	Water Quality	White Island Pond	[West Basin, at the southern end, at the town beach, Wareham]	41.802936	-70.633432

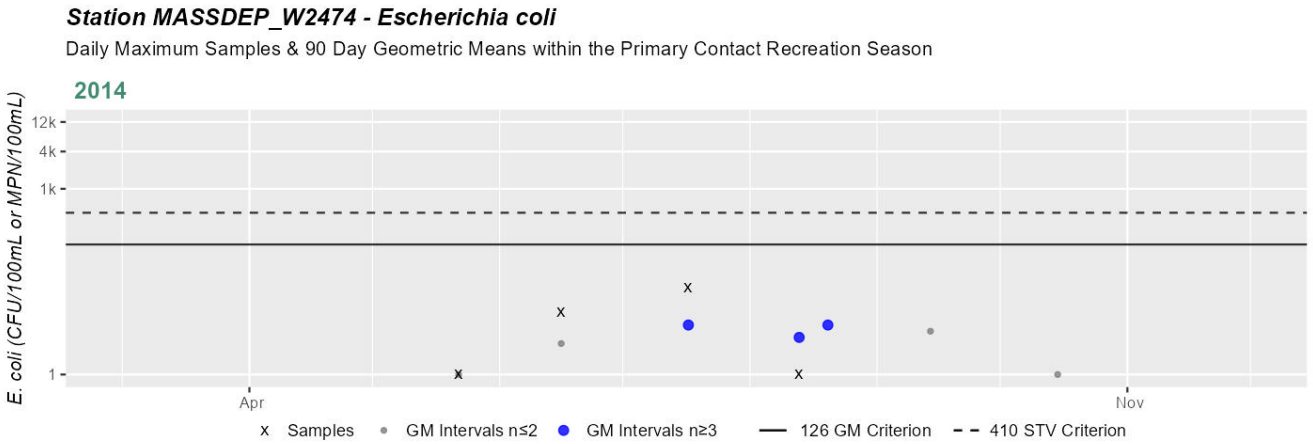
Bacteria Data

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

(MassDEP Undated 9) (MassDEP Undated 5)

[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
W2474	MassDEP	E. coli	05/22/14	08/13/14	4	1	25	3



Variable*	Result
Samples	4
SeasGM	3
#GMI	3
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Other Indicators

Summary Statement for 2011-2022 Cyanobacteria Cell Count and Cyanotoxin Data, and Secchi Depth Data
(MassDEP Undated 9) (MassDEP Undated 5) (MassDEP Undated 3)

Data Year(s)	Summary
2011-2014	In White Island Pond, West Basin (MA95173), MassDEP collected Secchi data at W0754 [41.809994, -70.627556, deep hole in northern lobe of West Basin, Plymouth] from 2011-2014 and the Town of Plymouth (PLY) collected Secchi data at PLY_W.IslandW_DeepHole [41.804217, -70.624067, Deep spot] in 2014. In 2014 at station PLY_W.IslandW_DeepHole (station depth=4.5 m) the Secchi depth (n=1) was measured to be 1.7 m on Aug 25, 2014 indicating water clarity meeting the 1.2 m (4 ft) threshold. In 2011 at station W0754 (station depth=4.2 m) the Secchi depth measurements ranged from 1.2-2.2 m (n=3) indicating water clarity meeting the 1.2 m (4 ft) threshold. In 2012 at station W0754 (station depth=4.2 m) the Secchi depth measurements ranged from 0.9-2 m (n=4) with 2 measurements in Aug and Sep that were less than the 1.2 m (4 ft) threshold. In 2013 at station W0754 (station depth=4.6 m) the Secchi depth measurements ranged from 1.2-2 m (n=3) indicating water clarity meeting the 1.2 m (4 ft) threshold. In 2014 at station W0754 (station depth=4.1 m) the Secchi depth measurements ranged from 1.8-3.7 m (n=4) indicating water clarity meeting the 1.2 m (4 ft) threshold. The Secchi depth measurements are indicative of a Transparency / Clarity impairment due to conditions at W0754 in 2012; however, these data were collected prior to an Alum treatment in 2013. A Transparency / Clarity impairment will not be added at this time.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for White Island Pond, West Basin (MA95173) is assessed as Fully Supporting based on bacteria data collected at 1 station in 2014. MassDEP staff collected *E. coli* bacteria samples in White Island Pond, West Basin at W2474 [W Basin, at the southern end, at the town beach, Wareham] from May-Aug 2014 (n=4). Analysis of the single year limited frequency dataset from this station indicated 0% of intervals had GMs >244 CFU/100ml, no samples exceeded the 794 CFU/100ml STV and the overall GM was 3 CFU/100ml, which meets 2024 CALM guidance.

Monitoring Stations

Station Code	Organization	Type	Water Body	Station Description	Latitude	Longitude
W2474	MassDEP	Water Quality	White Island Pond	[West Basin, at the southern end, at the town beach, Wareham]	41.802936	-70.633432

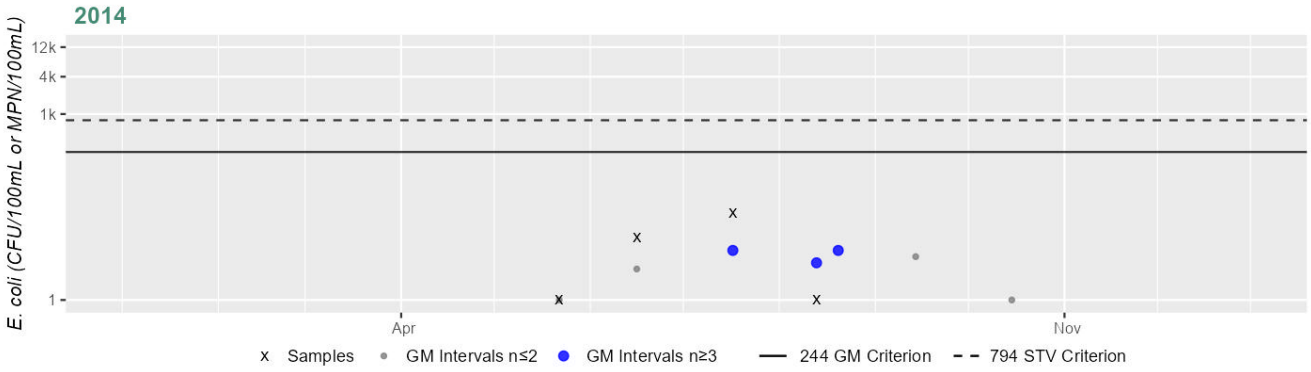
Bacteria Data

Bacteria Data Collected by MassDEP (1997-2020) and External Data Providers (1997-2022) (90-day Interval Analysis)
(MassDEP Undated 9) (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
W2474	MassDEP	E. coli	05/22/14	08/13/14	4	1	25	3

Station MASSDEP_W2474 - Escherichia coli

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



Variable*	Result
Samples	4
SeasGM	3
#GMI	3
#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 Exeedances; %GMI Ex = % GMI Exeedances; 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.*

Whites Pond (MA95168)

Location:	Plymouth.
AU Type:	FRESHWATER LAKE
AU Size:	34 ACRES
Classification/Qualifier:	B

No usable data were available for Whites Pond (MA95168) 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

Wild Harbor (MA95-20)

Location:	Waters landward of an imaginary line from Crow Point to Nyes Neck (excluding Wild Harbor River), Falmouth.
AU Type:	ESTUARY
AU Size:	0.13 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Estuarine Bioassessments	R1_EPA_MA_04	Unchanged
4a	4a	Fecal Coliform	36172	Unchanged
4a	4a	Nitrogen, Total	R1_EPA_MA_04	Unchanged
4a	4a	Nutrient/Eutrophication Biological Indicators	R1_EPA_MA_04	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Golf Courses (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Estuarine Bioassessments	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Estuarine Bioassessments	Residential Districts (Y)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	Golf Courses (Y)	X	--	--	--	--	--

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Nitrogen, Total	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nitrogen, Total	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nitrogen, Total	Residential Districts (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Golf Courses (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Impervious Surface/Parking Lot Runoff (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems) (Y)	X	--	--	--	--	--
Nutrient/Eutrophication Biological Indicators	Residential Districts (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 Wild Harbor (MA95-20) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Wild Harbor (MA95-20) The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1304 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.1304 sq mi (97%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB52.0	Wild Harbor / Wild Harbor River	Prohibited	0.13037	97.1%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Wild Harbor (MA95-20) 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 Wild Harbor (MA95-20) continues to be assessed as Fully Supporting based on MDPH Beach Closure data. Wild Harbor has 3 beaches with MDPH Beach Closure data: New Silver (Silver Improvement Association) [Beach ID: 2855], Wild Harbour Estates [Beach ID: 2843] and Bayshore Homeowners Association [Beach ID: 2825] beaches in Falmouth. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.1304 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Wild Harbor.

Beach Postings

MDPH Beach Posting Data Summary (% Bathing Season Posted 2014-2022) (Bailey, Logan Feb. 2, 2021) (Bailey Sept. 10, 2023) (MassDEP Undated 3)

Beach ID	Beach Name/ Town	Left Border (Lat., Long.)	Right Border (Lat., Long.)	2014	2015	2016	2017	2018	2019	2020	2021	2022	# years >10%
2825	Bayshore Homeowners Association/ Falmouth	41.63133, -70.64350	41.63514, -70.64310	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
2843	Wild Harbour Estates/ Falmouth	41.63768, -70.64320	41.63602, -70.64220	0%	0%	0%	0%	0%	0%	0%	0%	0%	0
2855	New Silver (Silver Beach Improvement Association)/ Falmouth	41.64025, -70.64510	41.63769, -70.64320	0%	0%	0%	0%	0%	0%	0%	0%	2%	0

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Wild Harbor (MA95-20): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1304 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Secondary Contact Recreation

2024/26 Use Attainment	Alert
Fully Supporting	NO

2024/26 Use Attainment Summary
The Secondary Contact Recreation Use for Wild Harbor (MA95-20) continues to be assessed as Fully Supporting. Wild Harbor has 3 beaches with MDPH Beach Closure data: New Silver (Silver Improvement Association) [Beach ID: 2855], Wild Harbour Estates [Beach ID: 2843] and Bayshore Homeowners Association [Beach ID: 2825] beaches in Falmouth. All these beaches were rarely, if at all, posted for swimming from 2018-2022. In addition, the shellfish growing areas (0.1304 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Wild Harbor.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Wild Harbor (MA95-20): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.1304 sq mi (97%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Wild Harbor River (MA95-68)

Location:	Headwaters, Falmouth to mouth at Wild Harbor, Falmouth.
AU Type:	ESTUARY
AU Size:	0.03 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
4a	4a	Fecal Coliform	36172, R1_MA_2024_04	Unchanged
4a	4a	Nutrient/Eutrophication Biological Indicators	R1_EPA_MA_04	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nutrient/Eutrophication Biological Indicators	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 Wild Harbor River (MA95-68) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Wild Harbor River (MA95-68): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0263 sq mi (90%). The approved shellfish growing area represents 0 sq mi (0%) and the prohibited shellfish growing area represents 0.0263 sq mi (90%). There is insufficient information available to assess the Shellfish Harvesting Use because the growing areas within this AU are classified as entirely prohibited. There is insufficient information available to delist the existing Fecal Coliform impairment so the Shellfish Harvesting Use is evaluated as Not Supporting.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB52.0	Wild Harbor / Wild Harbor River	Prohibited	0.02631	90.0%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Wild Harbor River (MA95-68) is Not Assessed.

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 the Wild Harbor River (MA95-68) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0263 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Wild Harbor River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Wild Harbor River (MA95-68): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0263 sq mi (90%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 the Wild Harbor River (MA95-68) so it is assessed as having Insufficient Information. The shellfish growing areas (0.0263 sq mi) in this AU are less than 100% approved (0 sq mi, 0%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Wild Harbor River.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Wild Harbor River (MA95-68): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.0263 sq mi (90%). The approved shellfish growing area represents 0 sq mi (0%). Because the total of all shellfish growing area classifications is anything less than "approved", the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Wings Cove (MA95-105)

Location:	waters landward of a line from Great Hill Point to Piney Point, Marion.
AU Type:	ESTUARY
AU Size:	0.32 SQUARE MILES
Classification/Qualifier:	SA: SFO

AU Category 2022	AU Category 2024/26	Impairment	ATTAINS Action ID	Impairment Change Summary
5	5	Estuarine Bioassessments	--	Unchanged
5	5	Fecal Coliform	--	Unchanged
5	5	Nitrogen, Total	--	Unchanged

Impairment	Source (Confirmed Y/N)	ALU	FC	SH	AES	PCR	SCR
Estuarine Bioassessments	Source Unknown (N)	X	--	--	--	--	--
Fecal Coliform	Source Unknown (N)	--	--	X	--	--	--
Nitrogen, Total	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 Wings Cove (MA95-105) is Not Assessed.

Shellfish Harvesting

2024/26 Use Attainment	Alert
Not Supporting	NO

2024/26 Use Attainment Summary
Wings Cove (MA95-105): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.3191 sq mi (99%). The approved shellfish growing area represents 0.2637 sq mi (82%). The Shellfish Harvesting Use is assessed as Not Supporting because the growing area (normalized to the AU area) is < 100% approved. Based on the new growing area classifications and the prior classifications, the existing Fecal Coliform impairment is being retained.

Shellfish Growing Area Classifications

MassDFG-Division of Marine Fisheries Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Area Name	Waterbody/Area Description	Classification	Area (Sq. Mi.)	Area (% of AU)
BB33.0	Stony Point Dike	Approved	0.00003	0.0%
BB34.0	Wings Cove	Approved	0.26363	82.2%
BB34.1	West Wings Cove	Conditionally Approved	0.05545	17.3%

Aesthetic

2024/26 Use Attainment	Alert
Not Assessed	NO

2024/26 Use Attainment Summary
No data are available, so the Aesthetics Use for Wings Cove (MA95-105) is Not Assessed.

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 Wings Cove (MA95-105) so it is assessed as having Insufficient Information. The shellfish growing areas (0.3191 sq mi) in this AU are less than 100% approved (0.2637 sq mi, 82%), which means that shellfish classification data were too limited to assess the Primary Contact Recreation Use of Wings Cove.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Wings Cove (MA95-105): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.3191 sq mi (99%). The approved shellfish growing area represents 0.2637 sq mi (82%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Primary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

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 Wings Cove (MA95-105) so it is assessed as having Insufficient Information. The shellfish growing areas (0.3191 sq mi) in this AU are less than 100% approved (0.2637 sq mi, 82%), which means that shellfish classification data were too limited to assess the Secondary Contact Recreation Use of Wings Cove.

Shellfish Growing Area Classifications

Summary Statement for MassDFG Shellfish Growing Area Classification Data (MassGIS 2024) (MassDEP Undated 6)

Summary
Wings Cove (MA95-105): The total of all shellfish growing area classifications (MassGIS, 2024) within this AU is 0.3191 sq mi (99%). The approved shellfish growing area represents 0.2637 sq mi (82%). Because the total of all shellfish growing area classifications is anything less than “approved”, the Secondary Contact Recreational Use cannot be assessed for 2024 using the shellfish classification data.

Data Sources

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MassDEP. "Open file analysis of external water quality data (potential date range 2011-2022) using 2024 CALM guidance." Watershed Planning Program, Massachusetts Department of Environmental Protection, Worcester, MA, Undated 3.

MassDEP. "Open file analysis of MassDEP WPP water quality data collected between 1997 and 2020 using 2024 CALM guidance." Watershed Planning Program, Massachusetts Department of Environmental Protection, Worcester, MA, Undated 4.

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 5.

MassDEP. "Open file analysis of shellfish growing area classifications using 2024 CALM guidance." Data published June 2024 and available on MassGIS website, Watershed Planning Program, Massachusetts Department of Environmental Protection, Worcester, MA, Undated 6.

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 7.

MassDEP. "Open files of repository documents for the 2016 Integrated Report cycle." Division of Watershed Management, Massachusetts Department of Environmental Protection, Worcester, MA, Undated 8.

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