GROWING AREA EB
Cape Rosier, Brooksville to Naskeag Point, Brooklin

Annual Report
2022

Final
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Field Observations of Pollution Sources

On November 18th, 2022, a drive through survey of growing area EB was completed by DMR staff and no new problems were discovered. No new pollution sources were observed during sample collection.

Review of Water Quality Results

Table 1: Geomean and P90 Scores, Growing Area EB Approved, Restricted, Prohibited Areas, 2022 Geomeans and P90s not meeting current classifications are highlighted in red.

Station	Class	Count	GM	SDV	MAX	P90	Min Date
EB001.00	A	30	4.2	0.51	56	19.1	5/22/2018
EB002.00	A	30	2.6	0.39	74	8.3	5/22/2018
EB003.00	A	30	3.2	0.47	152	13.1	5/22/2018
EB004.50	P	30	2.5	0.32	32	6.7	5/22/2018
EB008.60	P	30	2.8	0.37	38	8.5	5/22/2018
EB010.00	P	30	3.2	0.5	126	14.4	5/22/2018
EB013.00	A	30	3.5	0.5	160	15.8	5/22/2018
EB014.50	A	30	2.8	0.35	25	7.9	4/17/2018
EB020.00	A	30	3.5	0.54	520	17.7	4/17/2018
EB022.00	A	30	2.6	0.38	140	8.2	4/17/2018

CAMP Reviews, Inspection Reports, and Performance Standards

The lower portion Benjamin River Harbor is classified as Conditionally Approved based on the presence of 10 or more boats with potential heads. The management plan allows for the harvesting of this area between November 1st and April 30th contingent on water quality scores meeting approved standards during the open period. The management plan calls for sampling water quality stations EB015.00 and EB016.50, of this area at least monthly during the open period. The data support the Approved classification for the period between November 1st and April 30th and this area is compliant with the management plan.

Table 2. Benjamin River Marina Conditional Area; Geometric Mean, Count and P90 (OPEN status). Geomeans and P90s not meeting current classifications are highlighted in red.

Station	Class	Count	GM	SDV	MAX	P90	Min Date
EB015.00	CA	30	2.4	0.33	46	6.6	2/12/2018
EB016.50	CA	30	2.9	0.41	38	10	1/24/2018

Center Harbor Marina is classified as Conditionally Approved based on the presence of 10 or more boats with potential heads. The management plan allows for the harvesting of this area between November 1st and April 30th contingent on water quality scores meeting approved standards during the open period The

management plan requires sampling water quality stations EB018.50 and EB019.00 of this area at least monthly during the open period. The data support the Approved classification for the period between November 1st and April 30th and this area is compliant with the management plan.

Table 3. Center Harbor Marina Conditional Area; Geometric Mean, Count and P90 (OPEN status). Geomeans and P90s not meeting current classifications are highlighted in red.

Station	Class	Count	GM	SDV	MAX	P90	Min_Date
EB018.50	CA	30	2.6	0.39	108	8.5	1/8/2018
EB019.00	CA	30	2.1	0.14	6	3.3	1/8/2018

Orcutt Harbor is classified as Conditionally Approved based on the seasonal variation in water quality. The management plan allows for the harvesting of this area between November 1st and May 31st contingent on water quality scores meeting approved standards during the open period. The management plan calls for sampling water quality station EB004.00 of this area at least monthly during the open period. The data supports Approved classification for the period between November 1st and May 31st and this area is compliant with the management plan.

Table 4. Orcutt Harbor Seasonal Conditional Area; Geometric Mean, Count and P90 (OPEN status). Geomeans and P90s not meeting current classifications are highlighted in red.

Station	Class	Count	GM	SDV	MAX	P90	Min_Date
EB004.00	CA	30	3	0.44	58	11.1	3/28/2017

Upper Benjamin River is classified as Conditionally Approved based on the seasonal variation in water quality. The management plan allows for the harvesting of this area between September 1st and April 30th contingent on water quality scores meeting approved standards. The management plan calls for sampling water quality station EB015.80 of this area at least monthly during the open period. The data supports Approved classification for the period between September 1st and April 30th and this area is compliant with the management plan.

Table 5. Upper Benjamin River Seasonal Conditional Area; Geometric Mean, Count and P90 (OPEN status). Geomeans and P90s not meeting current classifications are highlighted in red.

Station	Class	Count	GM	SDV	MAX	P90	Min_Date
EB015.80	CA	30	3.7	0.44	52	13.9	3/28/2017

Permitted Discharges

The current listings of National Pollution Discharge Elimination System (NPDES) and State Licensed Discharge sites for growing area EB are shown in Table 6. The pollution area for each of these sites is also shown. There is one overboard discharges (OBDs) in growing area EB. There were no OBDs removed during 2022 in Growing Area EB.

Table 6: Federal and State Licensed Discharges

Closure Area	Permit ID	Type	Facility	Waterbody
P1	2748	OBD	Residential	Eggemoggin Reach

Brief Report of Findings

Emergency Closures: The reports summarizing emergency closures such as flood and biotoxin closures for the entire state are in the DMR central files.

Reclassifications: Reclassification addendums to the sanitary survey report are in the DMR central files.

Summary

All approved, conditionally approved, and conditionally restricted stations met there NSSP classification standard for 2022. There were no new activations, deactivations, investigative sites added.

Table 7: Count table for all Active Stations in Growing Area EB, 2022

Station	Class	Closed	Open	Total	Samples Required	Comments
EB001.00	A	6	7	13	6	Flood station
EB002.00	A		7	7	6	
EB003.00	A		7	7	6	
EB004.00	CA	5	7	12	7	
EB004.50	P	7		7	6	
EB008.60	P	7		7	6	
EB010.00	P	7		7	6	
EB013.00	A		7	7	6	
EB014.50	A		7	7	6	
EB015.00	CA		6	6	6	
EB015.80	CA	4	8	12	8	
EB016.50	CA		6	6	6	
EB018.50	CA		6	6	6	
EB019.00	CA		6	6	6	
EB020.00	A		7	7	6	
EB022.00	A	3	7	10	6	Flood station

Appendix A.

Key to Water Quality Table Headers

Station = water quality monitoring station

Class = classification assigned to the station; Prohibited (P), Restricted (R), Conditionally Restricted (CR), Conditionally Approved (CA) and Approved (A). An unclassified or investigative station is (X).

Count = the number of samples evaluated for classification, must be a minimum of 30.

GM = means the antilog (base 10) of the arithmetic mean of the sample result logarithm (base 10).

SDV = standard deviation

Max = maximum score of the 30 data points in the count column

P90 = 90th percentile, Approved standard is 31, Restricted standard is 163

Min_Date = oldest date sampled included in the calculations.

X= investigative station

Reference Material

An interactive map is available on the DMR website for reference. This map includes water quality station locations, end of year P90 scores, current classifications, and other information. https://www.maine.gov/dmr/shellfish-sanitation-management/maps/index.html