



GROWING AREA EC

Little Deer Isle, the Island of Deer Isle including Stonington, and various surrounding small uninhabited islands

**Annual Report
2022**

Final

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Field Observations of Pollution Sources

On November 18th, 2022, a drive through survey of growing area EC 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 EC 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
EC001.00	A	30	2.5	0.37	82	7.7	5/22/2018
EC004.00	A	30	3.9	0.54	180	20.1	5/22/2018
EC005.00	A	30	2.9	0.44	108	10.9	5/22/2018
EC006.10	A	30	2.2	0.27	54	5	5/22/2018
EC007.00	A	30	4	0.48	54	17	5/22/2018
EC009.00	A	30	3.6	0.72	1200	30.9	5/31/2018
EC010.00	A	30	5.1	0.67	1700	37	5/31/2018
EC012.00	A	30	3.9	0.48	92	16.2	5/22/2018
EC014.00	A	30	3.1	0.36	33	9.2	5/22/2018
EC017.50	A	30	3.6	0.51	158	16.5	4/2/2019
EC017.70	A	30	2.7	0.42	126	9.6	5/23/2018
EC017.80	A	30	4.4	0.58	160	24.8	6/4/2019
EC018.00	A	30	4.1	0.55	1360	21.3	6/4/2019
EC019.00	A	30	3.7	0.54	160	18.5	5/23/2018
EC020.00	P	30	3.5	0.66	760	25.6	5/23/2018
EC021.00	A	30	2.8	0.4	120	9.2	4/10/2018
EC022.00	A	30	3	0.32	18	7.8	5/23/2018
EC022.30	A	30	4.1	0.6	500	24.8	5/23/2018
EC023.50	A	30	2.4	0.27	16	5.4	5/23/2018
EC026.20	A	30	3.1	0.44	120	11.5	5/23/2018
EC026.70	A	30	3.3	0.56	680	18	5/23/2018
EC026.90	A	30	3.6	0.46	120	14.3	5/23/2018
EC027.00	A	30	4.2	0.57	400	23.1	5/23/2018
EC027.80	A	30	4.5	0.54	180	22.9	5/31/2018
EC031.00	A	30	2.9	0.38	42	9.2	5/23/2018
EC033.00	P	30	3.2	0.49	136	14.1	5/31/2018



CAMP Reviews, Inspection Reports, and Performance Standards

Whig Island (CA1) in Deer Isle is closed July 1st through September 30th and is monitored by station EC 17. This area complies with the management plan and water quality meets approved standards during the open status.

Table 2: Whig Island 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
EC017.00	CA	30	3.5	0.42	26	12.2	11/15/2017

Pickering Cove (CA2) in Deer Isle is closed from June 1st through September 30th and is monitored by station EC 16. This area complies with the management plan and water quality meets approved standards during the open status.

Table 3: Pickering Cove 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
EC016.00	CA	30	4.1	0.51	48	19.2	5/25/2016

Crockett Cove (CA3) in Deer Isle is closed June 1st through August 31st and is monitored by station EC 28. This area complies with the management plan and water quality meets approved standards during the open status.

Table 4: Crockett Cove 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
EC028.00	CA	30	5	0.56	78	26.2	11/16/2017

Permitted Discharges

There is one wastewater treatment plant in growing area EC. The current listings of National Pollution Discharge Elimination System (NPDES) and State Licensed Discharge sites for growing area EC are shown in Table 5. The pollution area for each of these sites is also shown. There are 17 overboard discharges (OBDs) in growing area EC. There were no OBDs removed during 2022 in growing area EC.

Table 5: Federal and State Licensed Discharges

Growing Area Section	Permit ID	Type	Facility	Water Body
P4	ME0101851	WWTF	Stonington Sanitary District	Stonington Harbor
P1	001312	OBD	Deer Isle	Eggemoggin Reach
P1	001366	OBD	Deer Isle	Eggemoggin Reach



Growing Area Section	Permit ID	Type	Facility	Water Body
P1	001545	OBD	Deer Isle	Eggemoggin Reach
P1	001861	OBD	Deer Isle	Eggemoggin Reach
P1	001862	OBD	Deer Isle	Eggemoggin Reach
P1	001869	OBD	Deer Isle	Eggemoggin Reach
P1	002762	OBD	Deer Isle	Eggemoggin Reach
P1	004319	OBD	Deer Isle	Eggemoggin Reach
P1	006030	OBD	Deer Isle	Eggemoggin Reach
P2	002344	OBD	Deer Isle	Northwest Harbor
P2	002544	OBD	Deer Isle	Northwest Harbor
P2	006770	OBD	Deer Isle	Mill Pond
P4	001300	OBD	Deer Isle	Stonington Harbor
P4	003563	OBD	Deer Isle	Stonington Harbor
P4	005262	OBD	Deer Isle	Stonington Harbor
P4	006143	OBD	Deer Isle	Stonington Harbor
P5	002328	OBD	Deer Isle	East Penobscot Bay

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 and Conditionally Approved stations met their NSSP classification standards except for station EC10. Pickering Cove Conditional Area (CA2) monitored by station EC 16 met approved standards year-round and will be reviewed for a potential classification upgrade. EC 15.50 was the only investigative station active in growing area EC during 2022.



Table 6: Count table for all Active Stations in Growing Area EC, 2022

Station	Class	Closed	Open	Investigative	Total	Samples Required	Comments
EC001.00	A		7		7	6	
EC004.00	A		7		7	6	
EC005.00	A		7		7	6	
EC006.10	A		7		7	6	
EC007.00	A		7		7	6	
EC009.00	A	7	7		14	6	Flood Station
EC010.00	A		7		7	6	
EC012.00	A	3	7		10	6	Flood Station
EC014.00	A		7		7	6	
EC015.50	X			12	12	0	Investigative
EC016.00	CA	4	8		12	8	
EC017.00	CA	3	9		12	9	
EC017.50	A		7		7	6	
EC017.70	A		7		7	6	
EC017.80	A		7		7	6	
EC018.00	A		7		7	6	
EC019.00	A		7		7	6	
EC020.00	P	7			7	6	Prohibited Area
EC021.00	A		7		7	6	
EC022.00	A		7		7	6	
EC022.30	A		7		7	6	
EC023.50	A		7		7	6	
EC026.20	A	3	7		10	6	Flood Station
EC026.70	A		7		7	6	
EC026.90	A		7		7	6	
EC027.00	A		7		7	6	
EC027.80	A		7		7	6	
EC028.00	CA	3	9		12	9	
EC031.00	A	6	6		12	6	Flood Station
EC033.00	P	7			7	6	Prohibited Area



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>