



EL Annual 2021

GROWING AREA EL
Petit Manan, Steuben to Ripley Neck, Harrington

Annual Report
2021

Final
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Field Observations of Pollution Sources

On August 4th, 2021, a drive-through survey of growing area EL was completed by DMR 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 EL Approved, Restricted, and Prohibited areas, 2021. Geomeans and P90s not meeting current classifications are highlighted in red.

Station	Class	Count	GM	SDV	MAX	P90	Min Date
EL001.00	A	30	2.1	0.21	16	4	6/7/2017
EL004.00	A	30	1.9	0.07	4	2.4	6/7/2017
EL006.00	A	30	2.1	0.2	18	3.9	6/7/2017
EL007.00	A	30	2.5	0.31	44	6.4	6/7/2017
EL008.00	A	30	2	0.13	7.3	3.1	6/7/2017
EL009.80	A	30	2.8	0.34	62	7.9	6/7/2017
EL011.00	A	30	2.5	0.29	26	6.2	5/31/2017
EL014.00	A	30	4.5	0.45	56	17.4	6/13/2017
EL017.80	A	30	3.1	0.52	320	14.8	5/31/2017
EL020.00	A	30	3.1	0.28	14	7.3	5/31/2017
EL035.00	A	30	4.3	0.47	66	17.3	5/31/2017
EL039.00	A	30	3	0.35	22	8.5	5/31/2017
EL047.20	A	30	3	0.57	1700	16.6	7/18/2017
EL018.00	P	30	6.8	0.69	840	52.2	6/13/2017
EL021.00	P	30	6.4	0.43	42	23.2	2/12/2018
EL033.00	P	30	2.5	0.24	14	5.2	5/31/2017
EL043.10	P	30	4.2	0.5	64	19.2	6/22/2017
EL015.00	R	30	3.6	0.53	340	17.6	5/31/2017
EL046.00	R	30	5.7	0.47	66	23.3	5/31/2017
EL047.00	R	30	3.1	0.41	70	10.6	6/13/2017
EL046.80	X	23	2.7	0.33	42	7.2	8/3/2015

CAMP Reviews, Inspection Reports, and Performance Standards

Back Bay in the Milbridge portion of growing area EL(CA 2) is Conditionally Approved based on season. Water quality in this area meets approved standards during the November 1st through May 31st open status. This area is monitored by water quality stations EL 36 and EL 37. This area meets the management plan requirements.



Table 2: Conditionally Approved Stations Geomean and P90 scores for Back Bay end of the year 2021 (OPEN status).

Station	Class	Count	GM	SDV	MAX	P90	Min_Date
EL036.00	CA	30	3.8	0.45	72	14.4	11/8/2017
EL037.00	CA	30	2.9	0.28	13	6.8	11/8/2017

A portion of Flat Bay is a seasonal conditionally approved area (EL CA 1) and is open between November 1st and May 31st. This is based on water quality scores that exhibit increased variability during the summer and fall months. This area is monitored by water quality stations EL 40.5 and EL 41.7. This area meets the management plan requirements.

Table 3: Conditionally Approved Stations Geomean and P90 scores for Flat Bay end of the year 2021 (OPEN status).

Station	Class	Count	GM	SDV	MAX	P90	Min_Date
EL040.50	CA	30	3.4	0.57	1700	18.3	4/19/2017
EL041.70	CA	30	3.6	0.6	1700	21.6	4/19/2017

Permitted Discharges

There is one wastewater treatment plant licensed discharge in growing area EL. The current listings of National Pollution Discharge Elimination System (NPDES) and State Licensed Discharge sites for growing area EL are shown in Table 4. The pollution area for each of these sites is also shown. Minor wastewater outfalls from a small apartment complex and blueberry processing plants in Cherryfield are the other four licensed discharges in grow area EL. There are 25 licensed overboard discharges (OBDs) and one commercial OBD in growing area EL. There were no OBD's removed during 2021 in EL.

Table 4: Federal and State Licensed Discharges

Pollution Area	Permit ID	Type	Facility	Water Body
EL P2	ME0036871	Minor Wastewater Outfall	Narraguagus Estates	Narraguagus River
EL P2	ME0100404	WWTP	Milbridge	Narraguagus River
EL P2	ME0037222	Minor Wastewater Outfall	Cherryfield Foods, Inc	Narraguagus River
EL P2	ME0001953	Minor Wastewater Outfall	Jasper Wyman & Son	Narraguagus River
EL P2	ME0037265	Minor Wastewater Outfall	Jasper Wyman & Son	Narraguagus River
EL P2	1624	OBD	Cherryfield	Narraguagus River



Pollution Area	Permit ID	Type	Facility	Water Body
EL P1	2058	OBD	Harrington	Harrington River
EL P1	2810	OBD	Harrington	Harrington River
EL P2	4610	OBD	Cherryfield Historical Society	Narraguagus River
EL P2	4611	OBD	Cherryfield	Narraguagus River
EL P2	4613	OBD	Cherryfield	Narraguagus River
EL P2	4614	OBD	Cherryfield	Narraguagus River
EL P2	4713	OBD	Cherryfield	Narraguagus River
EL P2	4714	OBD	Cherryfield	Narraguagus River
EL P2	4715	OBD	Cherryfield	Narraguagus River
EL P2	5200	OBD	Cherryfield	Narraguagus River
EL P2	6095	OBD	Cherryfield	Narraguagus River
EL P2	6099	OBD	Cherryfield	Narraguagus River
EL P2	6160	OBD	Cherryfield	Narraguagus River
EL P1	6180	OBD	Harrington	Harrington River
EL P2	6237	OBD	Cherryfield	Narraguagus River
EL P2	6239	OBD	Baptist Church	Narraguagus River
EL P2	6432	OBD	Congregational Church	Narraguagus River
EL P1	7110	OBD	Harrington	Harrington River
EL P1	7159	OBD	Harrington	Harrington River
EL P2	7401	OBD	Cherryfield	Narraguagus River
EL P2	7507	OBD	Cherryfield	Narraguagus River
EL P2	7587	OBD	American Legion	Narraguagus River
EL P2	7637	OBD	Cherryfield	Narraguagus River
EL P2	7948	OBD	Cherryfield	Narraguagus River
EL P2	8084	Commercial OBD	Jasper Wyman & Sons	Narraguagus River

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 stations met their NSSP classification standards for the year 2021. EL 46.8, EL 43 and EL 45.9 are investigative stations in growing area EL.

Table 5: Count table for all Active Stations in Growing Area EL, 2021

Station	Class	Closed	Open	X	Samples Required	Total Samples	Comments
EL001.00	A	6	7		6	13	flood
EL004.00	A		7		6	7	
EL006.00	A		7		6	7	
EL007.00	A		7		6	7	
EL008.00	A		7		6	7	
EL009.80	A		7		6	7	
EL011.00	A		7		6	7	
EL014.00	A		7		6	7	
EL015.00	R		7		6	7	
EL017.80	A		7		6	7	
EL018.00	P	7			6	7	
EL020.00	A		7		6	7	
EL021.00	P	7			6	7	
EL033.00	P	7			6	7	
EL035.00	A		7		6	7	
EL036.00	CA	5	7		7	12	
EL037.00	CA	5	7		7	12	
EL039.00	A	5	7		6	7	flood
EL040.50	CA	5	7		7	12	
EL041.70	CA	5	7		7	12	
EL043.00	X			7		7	
EL043.10	P	7			6	7	
EL045.90	X			7		7	
EL046.00	R		7		6	7	
EL046.80	X		1	6	6	7	new station
EL047.00	R		7		6	7	
EL047.20	A	4	7		6	11	flood



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), Approved (A), and Investigative (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, the Approved standard is 31, Restricted standard is 163

Min_Date = oldest date sampled included in the calculations.

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>