



Clam Recruitment Monitoring Network Update

Sara Randall

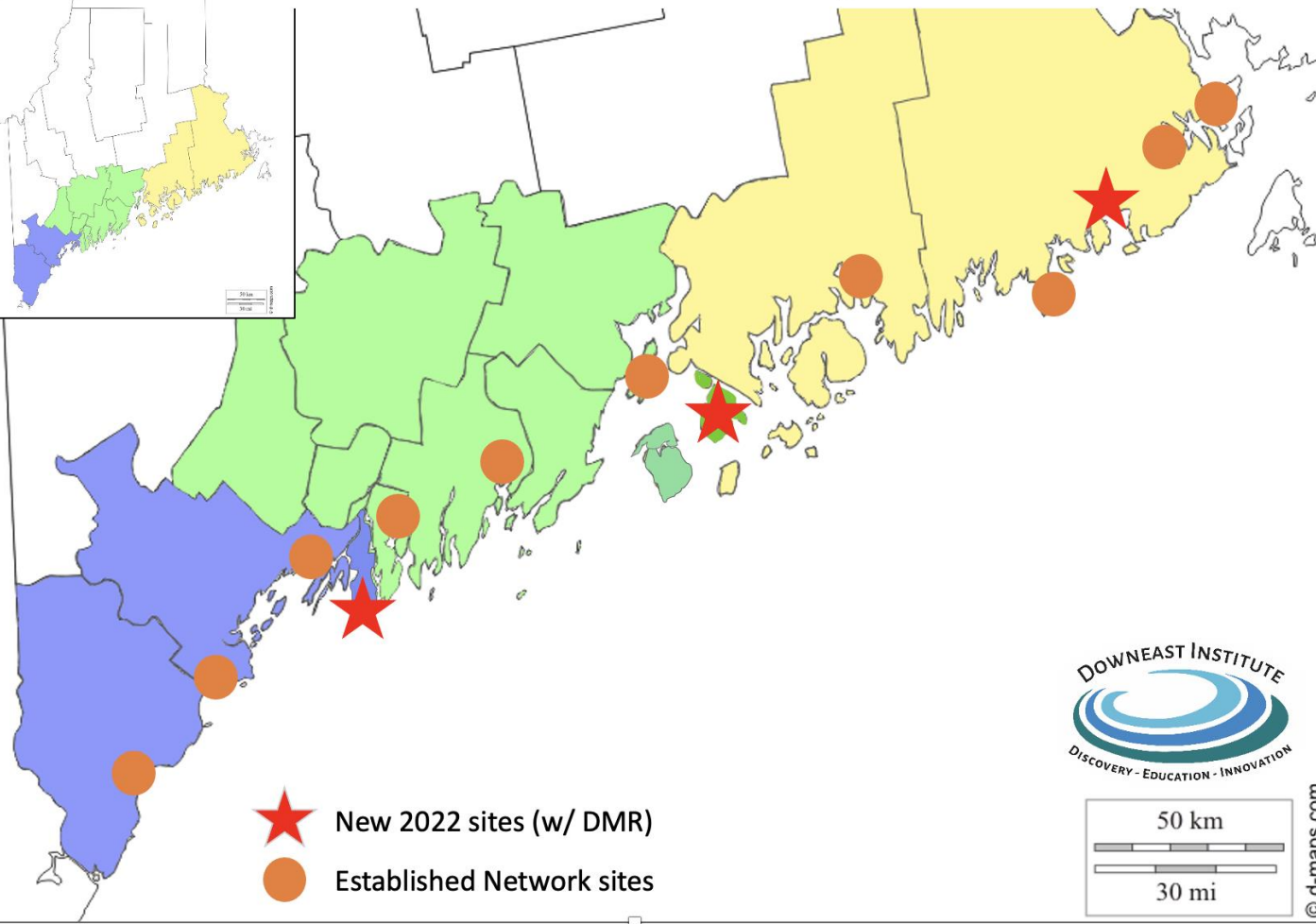
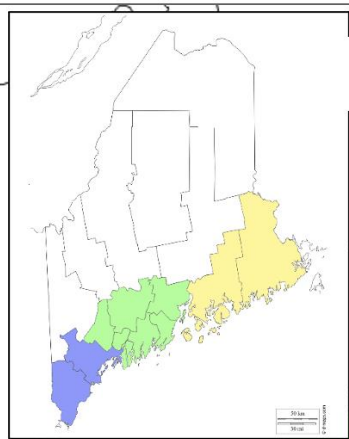
Associate Director

srandall@downeastinstitute.org

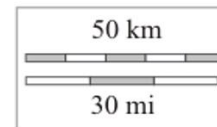
Dr. Brian Beal
University of Maine at Machias
Downeast Institute

Casco Bay Estuary Partnership
Monitoring Network
May 11, 2023

Clam Recruitment Monitoring Network Sites



- ★ New 2022 sites (w/ DMR)
- Established Network sites

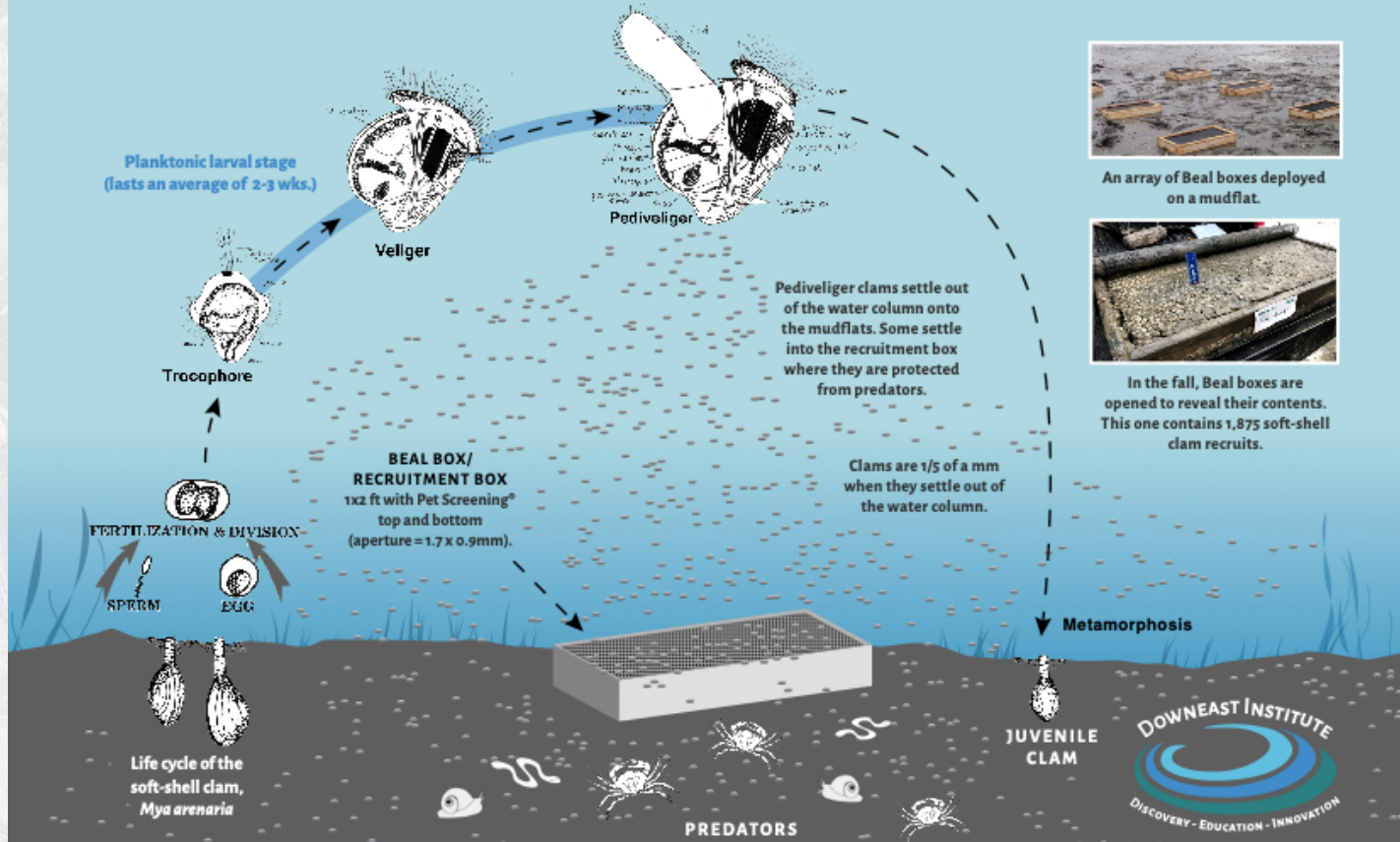


© d-maps.com

2 sites in each
town

Casco Bay

How Beal Boxes Measure the Amount of Shellfish Recruitment at a Flat



Gain information
on a crucial life
stage.

- intertidal temps
- spring & fall surveys
- recruitment
- clam growth
- Green crab demographics

Average Soft-shell clam density

Clams per sq. ft.

Town	Flat	2020	2021	2022
Scarborough	Jones Creek	1.3	0.8	8.8
	Winnock Neck	105.5	0.4	5.6
Brunswick	Harpswell Cove	5.1	1	0.65
	Thomas Point	1.5	1.5	14.95
Phippsburg	Atkins Bay	--	--	3.72
	The Branch	--	--	1.23

*more data to be shared in our 2022 Clam Recruitment Monitoring Network report....coming soon

Average green crab density

Crabs per sq. ft.

Town	Flat	2020	2021	2022
Scarborough	Jones Creek	0.2	8.8	1.1
	Winnock Neck	7.2	4.3	9.4
Brunswick	Harpswell Cove	1.7	3.4	2.2
	Thomas Point	0	1.2	0.1
Phippsburg	Atkins Bay	n/a	n/a	11.75
	The Branch	n/a	n/a	6

*more data to be shared in our 2022 Clam Recruitment Monitoring Network report....coming soon

Average Green Crab Size (mm)

Location	2020	2021	2022
Wells, Dolphin Lane	14.4	15.1	11.56
Wells, Upper Landing	14.5	12.5	13.9
Scarborough, Jones Cr.	8.35	10.3	11.57
Scarborough, Winnock Nk.	8.6	13.6	8.06
Brunswick, Harps. Cove	14	13.8	19.1
Brunswick, Thomas Point	0	8.3	26.98
Phippsburg, Branch	--	--	16.16
Phippsburg, Atkins	--	--	11.23

*more data to be shared in our 2022 Clam Recruitment Monitoring Network report....coming soon



Technical
Report #2

2020 CLAM RECRUITMENT MONITORING RESULTS

Dr. Brian Beal
Sara Randall
Hannah Greene



2021 | MAY

WWW.DOWNEASTINSTITUTE.ORG



Technical
Report #3

2021 SHELLFISH RECRUITMENT MONITORING RESULTS

Dr. Brian Beal
Sara Randall
Hannah Greene



2021 | MARCH

WWW.DOWNEASTINSTITUTE.ORG

Thanks to

Maine Economic
Improvement Fund



at the University of Maine



- Crabs never went away!
- CRMN provides info on green crabs in addition to clams.
- CRMN data helps us evaluate the effectiveness of new management practices if/when they go into effect.

