



# Aquaculture Updates 2021

Gayle B. Zydlewski

*gayle.zydlewski@maine.edu*



# Mission

*Maine Sea Grant's mission is to support the responsible use and conservation of coastal resources in order to sustain thriving coastal communities and ecosystems.*

## Focus Areas

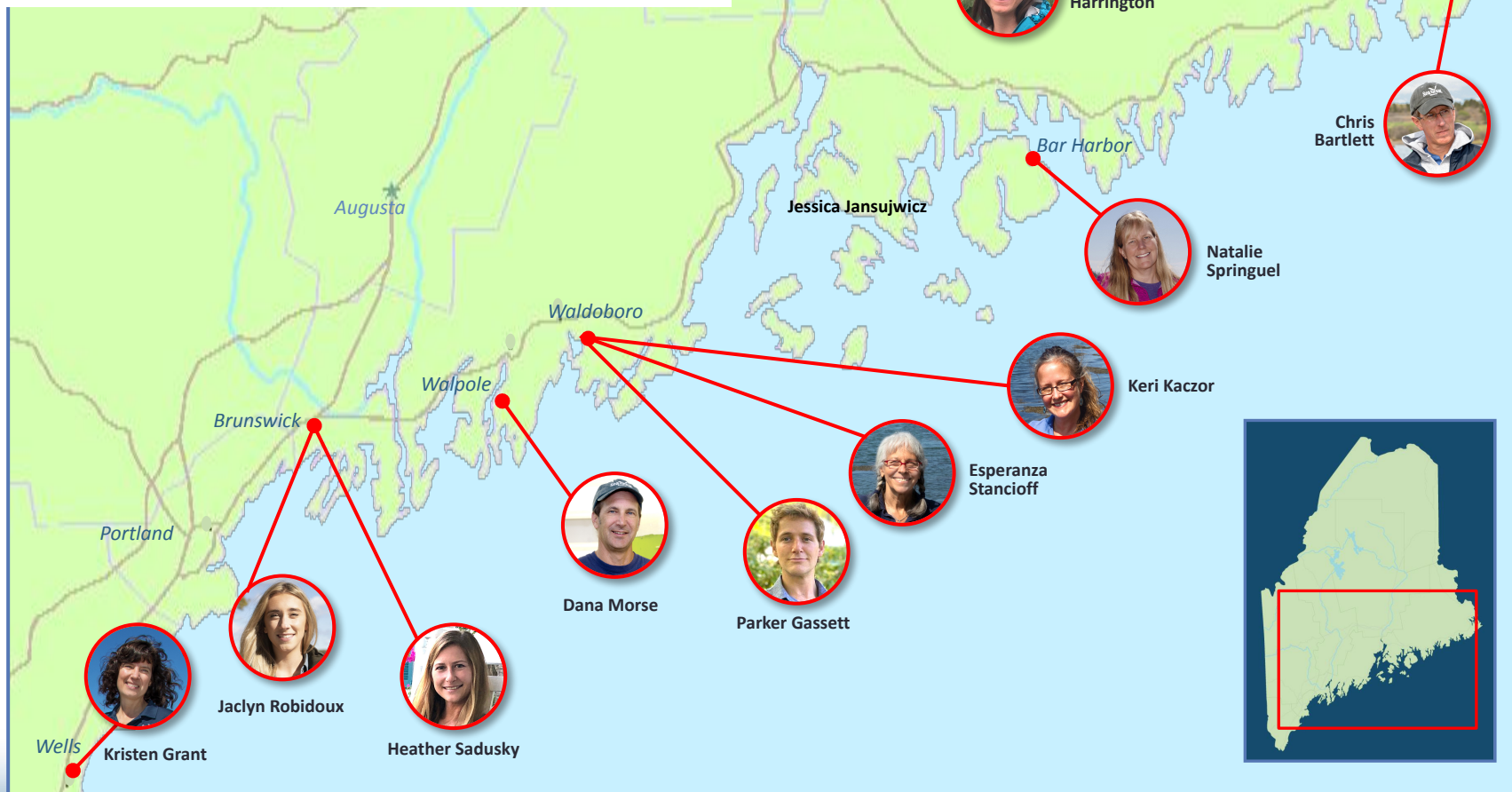
- Healthy Coastal Ecosystems
- Resilient Communities and Economies
- **Safe & Sustainable Seafood**
- Responding to a Changing Climate
- Environmental Literacy & Workforce Development



# Marine Extension Team



Committee of



Marine Science for Maine People



# Outreach and Education Activities - 2021



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# Alliance for Maine's Marine Economy

<https://seagrant.umaine.edu/funding-opportunities/buoy-maine/>



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# Outreach and Education Activities - 2021

Committee on Marine Resources • 18 Jan 2022

## Aquaculture in Maine's Coastal Waters:

How the public can participate in the process



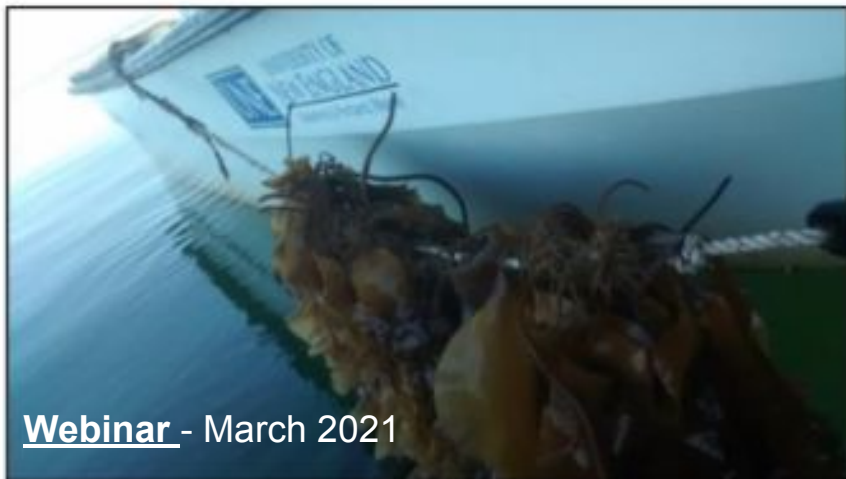
[https://seagrant.umaine.edu/wp-content/uploads/sites/467/2021/12/AQ-Leasing-Booklet\\_11121.pdf](https://seagrant.umaine.edu/wp-content/uploads/sites/467/2021/12/AQ-Leasing-Booklet_11121.pdf)



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# Research Support Activities - 2021



<https://sites.une.edu/byronlab/whats-now-whats-next/>



# Outreach to strengthen the seafood sector - 2021



## MAINE Oyster Trail

<https://maineoystertrail.com>



<https://www.nationalgeographic.com/travel/article/how-tourism-is-helping-save-oyster-populations>



#1 on list of New England activities

**DownEast**

STORIES ▾ GUIDES ▾ MAINE HOMES ▾ DOWN EAST SHOP ▾ PHOTOGRAPHY ▾

CAPTURE THE BEAUTY OF MAINE **DownEast | Adventures**

### The Maine Oyster Trail Is Back

The trip-planning platform for bivalve lovers feels fresher after a relaunch.

By Will Grunewald



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# Outreach to strengthen seafood sector - 2021



- Since 2013, Aquaculture in Shared Waters has provided training, technical support, and networking opportunities to over 300 individuals.
  - >30 new aquaculture businesses established
  - >100 jobs established, expanded, or retained as program participants began working in the aquaculture field, added new species to their existing businesses, or expanded their harvest seasons (not including newest class)
- 2020 students: 33 Brunswick, 19 Belfast
- 2021 students (so far): 36 (virtual)





# MAINE AQUACULTURE HUB

*Building capacity for industry-driven innovation, diversification, and  
workforce development*

# MAINE AQUACULTURE HUB

 Expand Aquaculture in Shared Waters training program

 Responsive call for proposals to fund industry-led projects

 Develop 10-year Roadmap for aquaculture in Maine







*Maine Aquaculture Hub 2022 Request  
for Proposals:*

**Supporting Innovation &  
Outreach in the Aquaculture  
Sector**

<https://seagrant.umaine.edu/maine-aquaculture-hub/aquaculture-hub-request-for-proposals/>  
[heather.sadusky@maine.edu](mailto:heather.sadusky@maine.edu)





# Maine Aquaculture

## ROADMAP

2022-2032

**Goal:** develop a shared vision for the future of aquaculture in the state; plan for the next 10 years; building off of *2010 Aquaculture Economic Development Plan*



Directing the Future of Maine's Aquaculture Industry: An Economic Development Plan



MAINE  
AQUACULTURE  
HUB





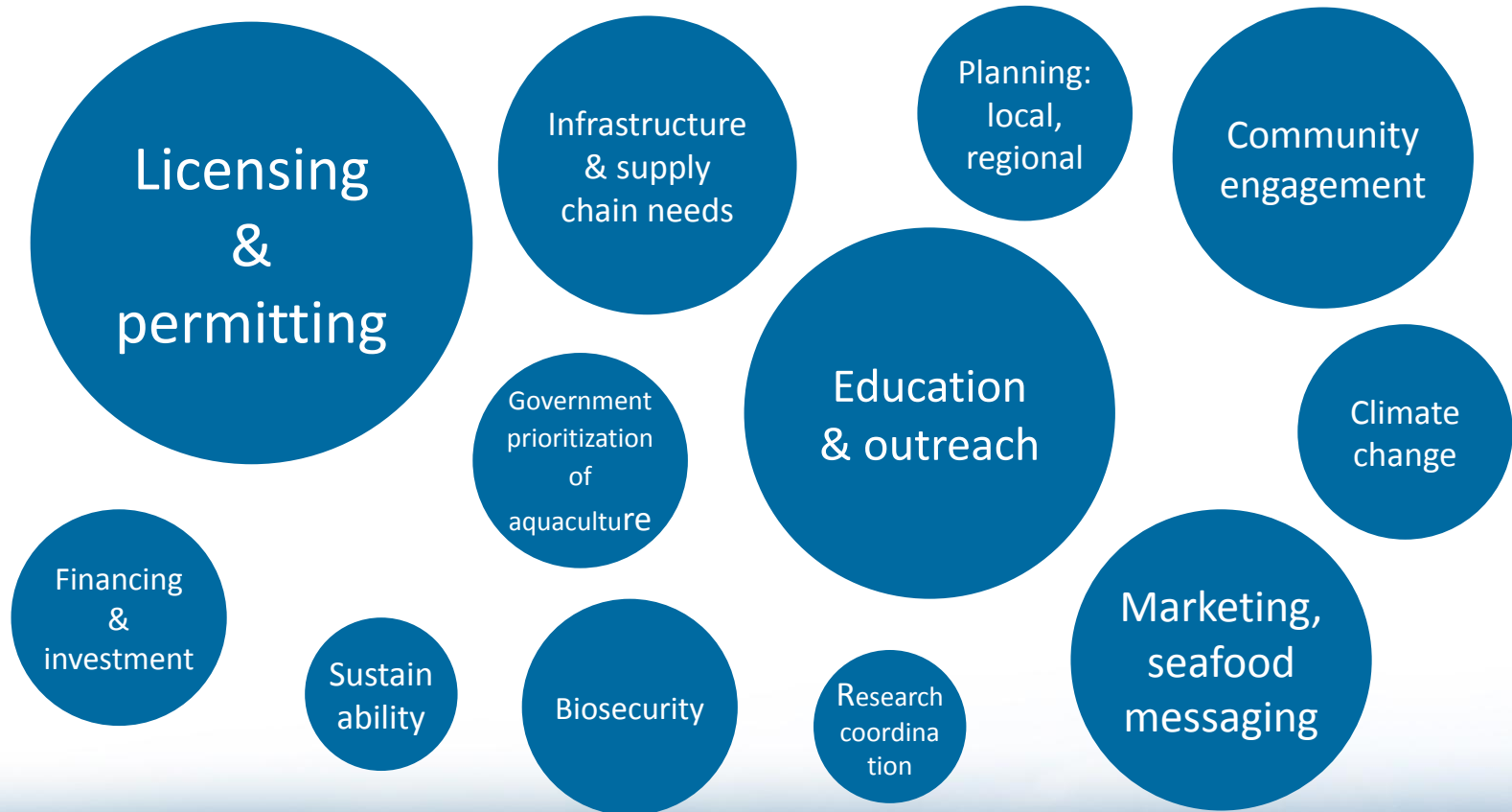
# Hub Roadmap Participants – *141 individuals from these types of organizations...*





# Focus Group topics of discussion

Circle size corresponds to the number of focus groups in which the topic arose



# The Four Goals

## GOAL 1

Develop a streamlined licensing and permitting process that balances the rights of an applicant and the public

## GOAL 2

Increase integration and understanding of aquaculture in Maine's coastal communities

## GOAL 3

Expand & promote the Maine seafood brand

## GOAL 4

Make Maine a leader in triple bottom line sustainable aquaculture: social, economic, environmental

# GOAL 1

**Develop a streamlined licensing and permitting process that balances the rights of an applicant and the public**

## ACTION ITEM

**Increase capacity, including funding and staffing, in the Maine Department of Marine Resources (DMR) Aquaculture Program**

**WHO** DMR, MAA (acronyms for Goal 1 are below; a full list of acronyms can be found on page 45)

**MEASURE** Total number of state budget dollars dedicated to aquaculture on an annual basis.

**RESOURCE** \$150,000 annually

**MEASURE** Number of state agency staff or FTEs dedicated to aquaculture (use 2019 as baseline considering pandemic)

**RESOURCE** 2 FTEs

**MEASURE** Reduced amount of time taken to process permits and applications

**RESOURCE** \$40,000 plus .25 FTE for the business process review with DMR

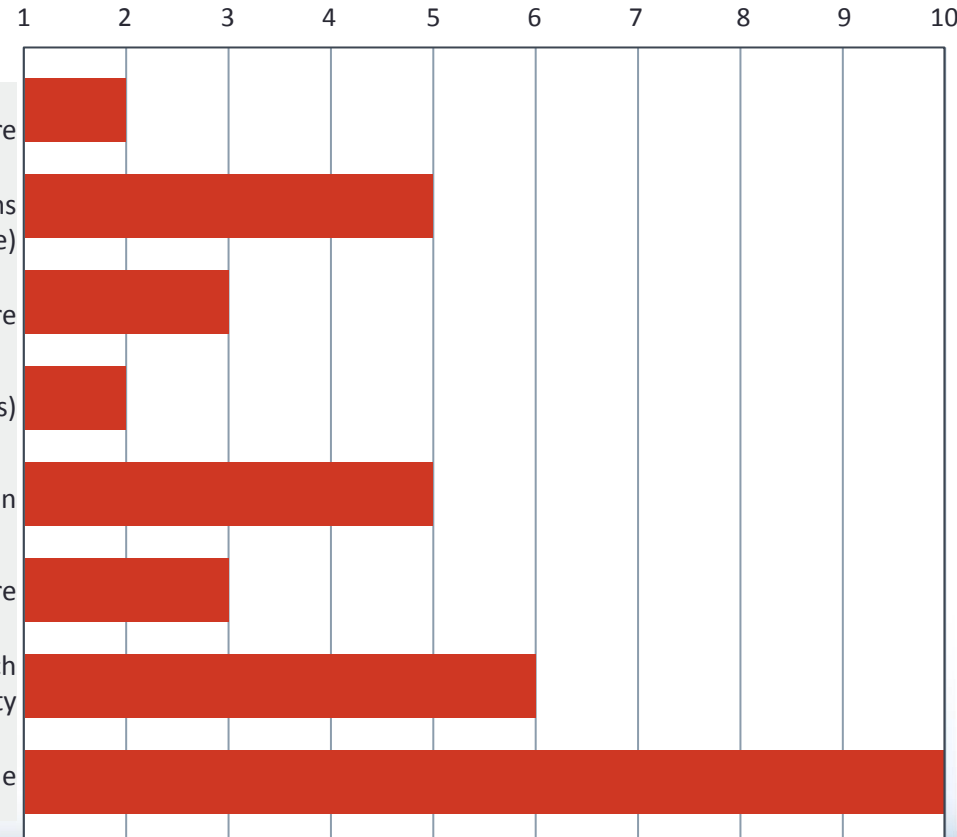




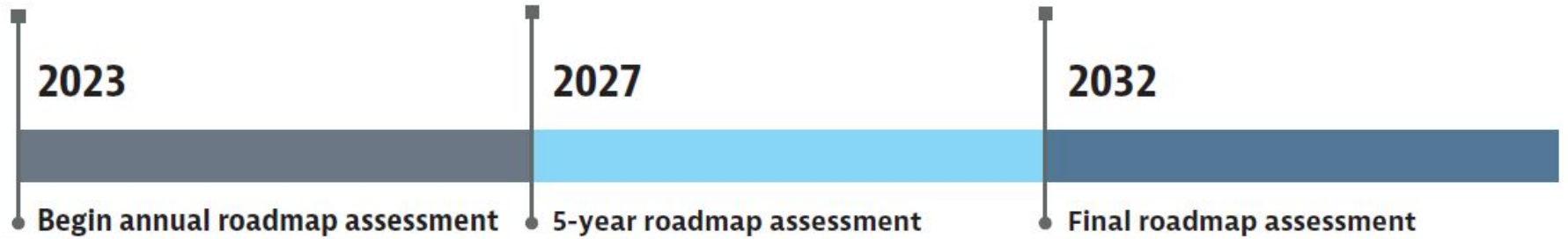
# GOAL 4

## Make Maine a leader in triple bottom line sustainable aquaculture: social, economic, environmental

Timeline in years: short- (1–2), medium- (2–6) or long-term (6–10)



# Implementation & Assessment



# Thank you. Any Questions?



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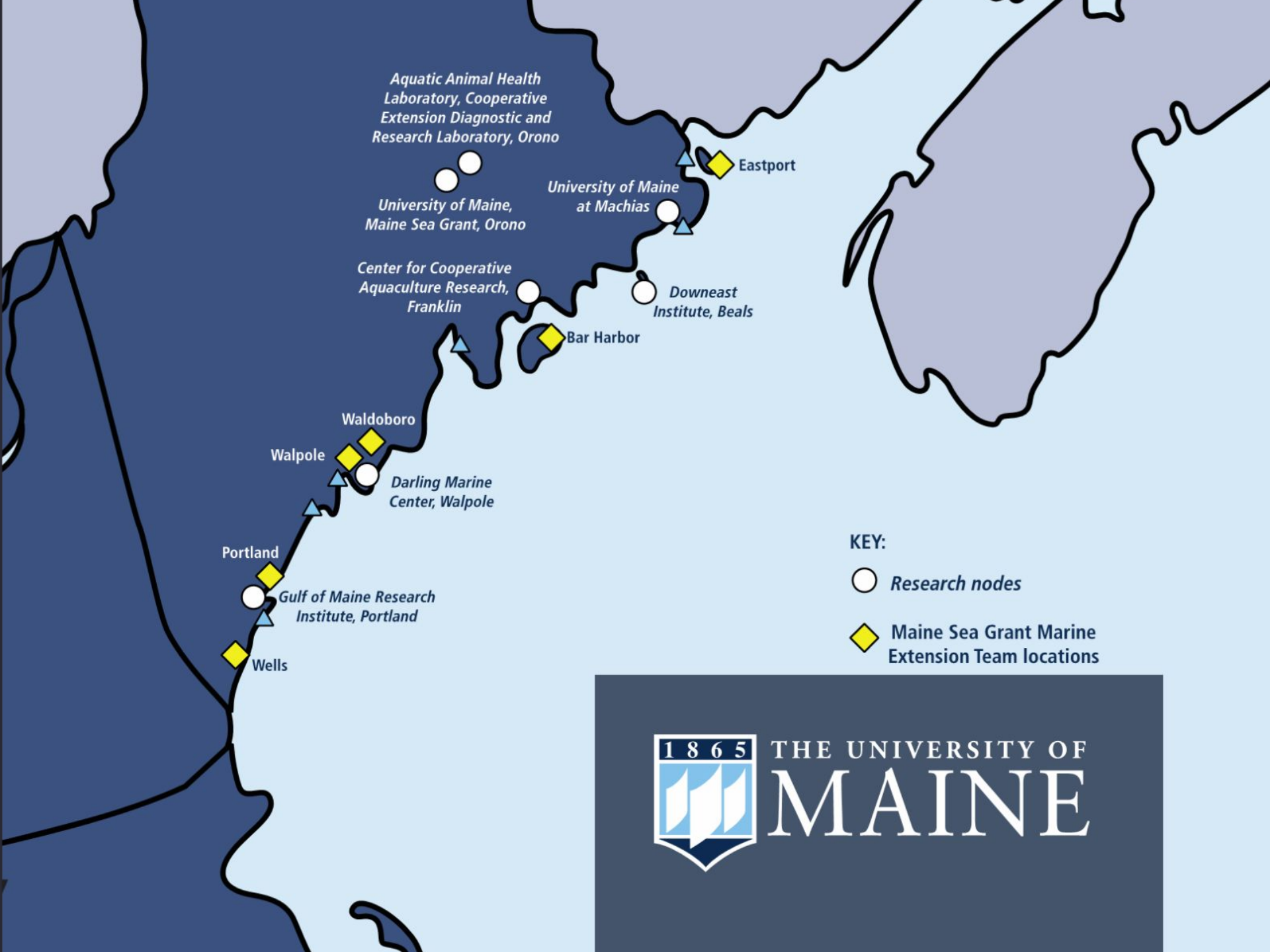
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KEY:

○ Research nodes

◆ Maine Sea Grant Marine Extension Team locations



# Resources

- Buoy Maine - <https://seagrant.umaine.edu/funding-opportunities/buoy-maine/>
- Aquaculture Leasing booklet:  
[https://seagrant.umaine.edu/wp-content/uploads/sites/467/2021/12/AQ-Leasing-Booklet\\_111121.pdf](https://seagrant.umaine.edu/wp-content/uploads/sites/467/2021/12/AQ-Leasing-Booklet_111121.pdf)
- Seaweed safety website:
  - <https://sites.une.edu/byronlab/whats-now-whats-next/>
  - [https://une.zoom.us/rec/play/pq7g\\_djjaW04PIPuHPjF9YP9Np6HQBjVvRgG082q7R7U6ortlocAGvcuhEy3TzrfltDk0xKmd1-2TMEY.weGuHtCgAOVABN\\_g](https://une.zoom.us/rec/play/pq7g_djjaW04PIPuHPjF9YP9Np6HQBjVvRgG082q7R7U6ortlocAGvcuhEy3TzrfltDk0xKmd1-2TMEY.weGuHtCgAOVABN_g)
- Oyster Trail - <https://maineoystertrail.com>
  - Most recently, shared by AAA as #1 on list of New England activities:  
[https://www.ace.aaa.com/publications/travel/us-destinations/new-england/new-things-to-do.html?fbclid=IwAR3nZSqOlqT2s127MTeYHX-QeUUbUk55Du0\\_GfmIjKgN63h-RxqKy0ZXnws](https://www.ace.aaa.com/publications/travel/us-destinations/new-england/new-things-to-do.html?fbclid=IwAR3nZSqOlqT2s127MTeYHX-QeUUbUk55Du0_GfmIjKgN63h-RxqKy0ZXnws)
  - National Geographic:  
<https://www.nationalgeographic.com/travel/article/how-tourism-is-helping-save-oyster-populations>
- Hub call for proposals:  
<https://seagrant.umaine.edu/maine-aquaculture-hub/aquaculture-hub-request-for-proposals/>