A scenic view of a Maine waterfront. In the foreground, a wooden dock with a small building and a boat is visible. The dock is cluttered with stacks of colorful crates (yellow, blue, green) and numerous orange buoys. A small white boat is docked on the left. The water is calm and blue. In the background, a larger wooden structure with a white door and a window is visible, surrounded by more crates. The sky is overcast.

The Maine Aquaculture Roadmap

Implementation & Collaboration

Maine Sea Grant



- Since 1971, Sea Grant has been supporting marine science for Maine people
- We are one of 34 NOAA Sea Grant programs throughout the coastal and Great Lakes states
- Maine Sea Grant supports the responsible use and conservation of coastal resources in order to sustain thriving coastal communities and ecosystems



Maine Aquaculture Roadmap



Goal:

- Building off the *2010 Aquaculture Economic Development Plan*, develop a roadmap for the future of aquaculture in Maine; a blueprint for the next 10 years

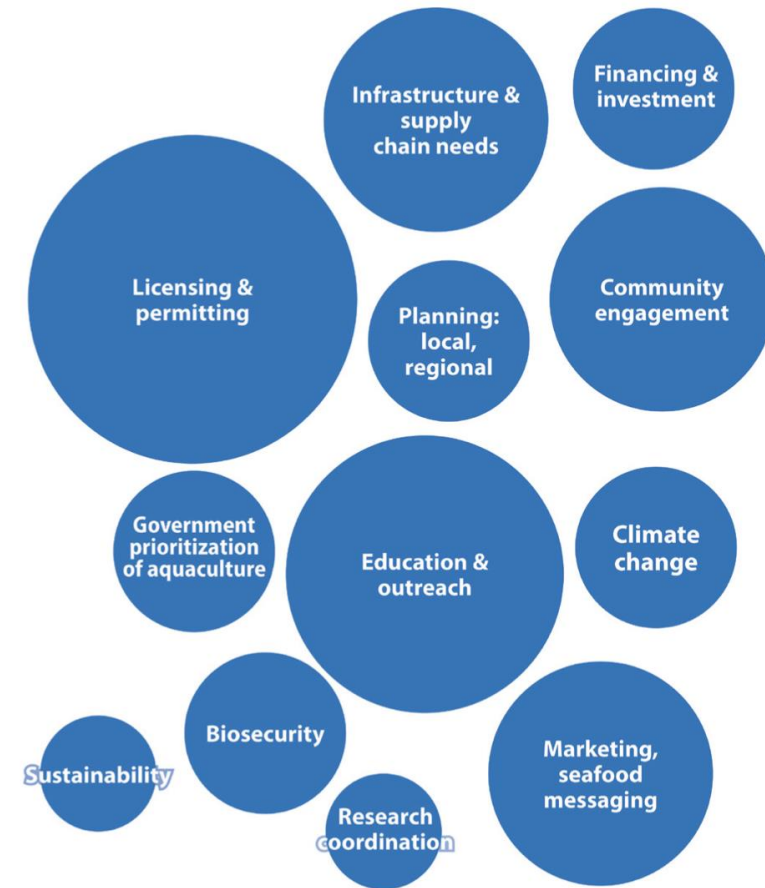
Approach to stakeholder input:

- 10 Focus Group meetings with variety of sectors
- Refresh on 2010 plan; which goals are still relevant? New goals?
- Identify specific action items needed to achieve goals, and organizations who could work toward these
- 1-on-1 calls to those who could not attend focus group
- Topics refined, combined, draft developed, shared for feedback



Focus Group	Number of participants	Companies and Organizations	Number of additional phone calls
Aquaculture producers	23	Mook Sea Farm; Hollander & de Koning; Maine Oyster Company; Bar Harbor Oyster Co.; Maine Fresh Sea Farms; Nordic Aquafarms; Springtide Seaweed; Atlantic Sea Farms; Maine Ocean Farms; Vinalhaven Kelp, Inc.; Pemetic Sea Farms; Georgetown Island Oyster Cooperative; Mere Point Oyster; Nonesuch Oysters; Aphrodite Oysters; Getchells Ledge Oyster; Gun Point Cove Oysters; Maine Coast Sea Vegetables; University of New England; Hurricane Island Center for Science and Leadership; University of New Hampshire	
Aquaculture producers (group 2)	12	Spartan Sea Farms; Micmac Farms; Butterfield Shellfish Co.; Whole Oceans; Maine Scallop Cooperative; Deer Landing Oyster Co.; Chebeague Island Oyster Company; Cooke Aquaculture; Kingfish Zealand; Pemaquid Oyster Company; Bangs Island Mussels; Glidden Point Oyster Farms; American Unagi; Love Point Oysters; Pine Point Oyster Company; Eros Oysters; Community Shellfish; Pemaquid Mussel Farms	9
Maine Department of Marine Resources (DMR)	9	All aquaculture program staff	
Regulatory Agencies	10	Maine Department of Marine Resources; USDA Animal and Plant Health Inspection Service; Maine Department of Economic and Community Development; Maine Department of Agriculture; Maine Department of Inland Fisheries and Wildlife; NOAA Fisheries; US Fish and Wildlife Service; Maine Department of Environmental Protection; US Army Corps of Engineers	1
NGOs & Advocacy groups	11	Maine Center for Coastal Fisheries; Manomet; Maine Coast Heritage Trust; Downeast Salmon Federation; World Wildlife Fund; Downeast Fisheries Partnership; Casco Bay Estuary Partnership; Sierra Club	1
Municipalities	10	City of Portland; Town of Brunswick; Penobscot Nation; Town of Harpswell; Lincoln County Regional Planning Commission; Brunswick Marine Resource Committee; Town of Yarmouth; Passamaquoddy Tribe	3
Investors	13	Maine Angels; First National Bank; Maine Department of Economic and Community Development; Coastal Enterprises, Inc.; Maine Technology Institute; Masthead Venture Partners; Pavan Enterprises, Inc.; Maine Venture Fund; Montserrat Group, LLC	
Researchers & Biotech organizations	18	University of Maine; USDA ARS, National Cold Water Marine Aquaculture Center; Gulf of Maine Research Institute; Bigelow Laboratory for Ocean Science; W. L. Gore & Associates; Beacon Analytical Systems, Inc.; University of New England; Kaskolos Sea Vegetables	1
Fishing Industry & Fishermen	6	Maine Lobstermen's Association; Canary Cove Lobster Co.; Maine Coast Fishermen's Association; clam digger; fishermen; lobstermen	5
Focus Group 10	9	Protect Maine's Fishing Heritage Foundation; The Nature Conservancy; Brunswick Rivers and Coastal Waters Commission; Gulf of Maine Research Institute; Friends of Casco Bay; East Coast Shellfish Growers Association; Maine Angels; Penobscot Nation; Coastal Rivers Conservation Trust; Town of Brunswick; Mook Sea Farm	

Figure 1 Focus Group topics of discussion: circle size corresponds to the number of focus groups in which the topic arose



In total, 141 individuals and 92 organizations provided input to the Roadmap



Maine Aquaculture

ROADMAP

2022-2032

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

MAINE
AQUACULTURE
HUB

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 43)

MEASURE Total number of state budget dollars dedicated to aquaculture on an annual basis. **RESOURCE** \$200,000 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

ACTION ITEM

Increase support for aquaculture license applicants within the permitting process

WHO DMR, MSG, ARI, MAA, Maine Aquaculture Hub, municipalities, MAIC, GMRI

MEASURE Number of successful lease applications per year **RESOURCES** Partial FTE to engage with applicants • .5 FTE for application support (MAIC)

Provide informational resources for both applicants and public to visualize aquaculture (e.g. map, locations, pictures) along with peer-reviewed research about the various types of aquaculture

MEASURES Number of visits to DMR aquaculture map webpage • Creation of central location for peer-reviewed research, and number of visits to that webpage • Number of visits to MSG/ARI/MAIC/MAA education/resources pages **RESOURCES** \$10,000 to create a website that hosts permitting-relevant peer-reviewed research, to be included on DMR leasing webpage

Strongly encourage engagement and suggest prospective farmers speak with communities; provide newly created community engagement guide/outreach Best Management Practices (BMPs) to all applicants

MEASURES DMR support of community engagement BMPs • Sent to all applicants (or number of downloads of engagement strategy docs, per Goal 2, action item 1) • MAA to integrate BMPs into association BMPs and conduct BMP training **RESOURCES** .25 FTE (included as part of 2 FTEs listed in the above action item) • .25 FTE for BMP training (MAA)

ACTION ITEM

Expand opportunities for input from broader aquaculture sector and others in policy development

WHO DMR, MAA, MSG, municipalities, Manomet, MCFA

MEASURE Strategy/mechanism developed to enable conversation between aquaculture sector and DMR before rules are proposed **RESOURCE** .25 FTE (included as part of 2 FTEs in first action item of Goal 1)

ACTION ITEM

Improve municipal awareness of permits moving through the process and fluency of that process

WHO DMR, DEP, MAA, MHMA, Maine Town Managers Association, MSG, municipalities, Manomet

Develop aquaculture education days for municipalities and increase distribution of info sheets

MEASURES Number of aquaculture education days for municipalities • Number of attendees at aquaculture training days **RESOURCES** .5 FTE (\$50,000) for staff time and project costs to develop curriculum and host training sessions • DMR education staff member • \$10–20k seed grant to pilot in 3–4 communities



GOAL 2

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

ACTION ITEM

Co-create a guide with farmers, to be used by applicants and existing farmers, on how to be a good neighbor, communicate with stakeholders, and integrate with the community

WHO MAA, MSG, MAIC, GMRI (acronyms for Goal 2 are below; a full list of acronyms can be found on page 43)

MEASURES Guide created for applicants and farmers • **RESOURCES** \$15,000 to compensate salary (partial FTE) for project lead • \$7,000 for graphic layout, printing, and online distribution • \$20,000 and .5 FTE per year (GMRI)

ACTION ITEM

Expand outreach at the state and local level

WHO DMR, MSG, ARI, MAA, GMRI, Manomet, DEP

Better publicize outreach events, educational courses, and materials in order to share information on benefits and risks, dispel myths, and share science-based information on all types of aquaculture

MEASURES Number of articles and posts on these topics • **RESOURCES** \$30,000 and .4 FTE/year (GMRI)

MEASURES Engagement with social media posts • Number of short videos produced per year • **RESOURCES** .5 FTE (for MAIC) • \$10,000 annually for media (social media, advertising, articles, and distribution) or personnel • \$30,000 annually (MAA)

DMR staff dedicated to aquaculture education and outreach

MEASURES Number of education/outreach events held for general public by DMR • Number of attendees • **RESOURCES** \$10,000 annually for planning and hosting events • 1 FTE Communications position (ARI) • Outreach displays in Orono Aquaculture Facility/Demonstration Space/ 1 FTE Outreach Assistant

MEASURES Funding for at least one DMR aquaculture education and outreach position • **RESOURCES** 1 FTE (in addition to 2 FTEs listed in Goal 1) requiring \$100,000 annually • DMR education staff member

GOAL 2 *(continued)*

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

ACTION ITEM

Create informal outlets to showcase aquaculture research, enable researchers to communicate their science beyond publishing papers

WHO MSG, ARI, MAIC

MEASURE Development of research community newsletter for aquaculture science in Maine

RESOURCES \$5,000 annually for 1 month salary (0.083 FTE) for MSG/ARI/MAIC position • \$5,000 for layout, printing, and distribution • 1 FTE Communication Specialist (ARI)

Host Maine science traveling program, pub talks, research group host seminars at coffee bars and parks

MEASURE Number of participants in aquaculture community outreach events • **RESOURCE** \$5,000 to host events

Develop workshops and methodologies for researchers on effective ways to communicate with the public

MEASURE Number of participants in communication workshops for researchers • **RESOURCE** \$5,000 to host events

ACTION ITEM

Boost awareness of existing aquaculture liaisons across the state to field questions from and provide resources to fishermen, municipalities, landowners, and others

WHO MSG, MAIC, MAA

MEASURES Identify aquaculture liaisons on responsible organizations' (MSG, MAIC, MAA) websites • Number of individuals/calls fielded

RESOURCES \$5,000 for updated webpages and increased communications and advertising



GOAL 3

Expand & promote the Maine seafood brand

ACTION ITEM

Tell the story of Maine's seafood

WHO SEAMaine, MAA, DECD, all aquaculture and seafood organizations, Maine Seafood Marketing Council (once established), MTA, DMR (acronyms for Goal 2 are on the next page; a full list of acronyms can be found on page 43)

MEASURE Number of organizations promoting the brand **RESOURCES** Partial FTE for communications efforts at individual, organization level

Develop consistent messaging for the Maine brand that includes aquaculture and wild caught seafood, focuses on high quality seafood and sustainability, and educates consumers

MEASURE A recognizable, consistent, inclusive Maine seafood brand **RESOURCE** \$250,000 to establish MSMC

Tell aquaculture specific stories

MEASURES Logo, website, branding toolkit, social media accounts **RESOURCES** Included within launch of MSMC

Illustrate the shared commitment to a working waterfront

ACTION ITEM

Develop a seafood marketing fund for Maine seafood with sustainable funding source(s)

WHO Maine Seafood Marketing Council (MSMC), SEAMaine, MAA, DECD

MEASURE Development of seafood fund with long-term funding **RESOURCES** \$250,000 to establish MSMC (same as above)

ACTION ITEM

Amplify aquaculture through partnerships with broader food systems, agriculture networks and movements, building on local food systems story

WHO UMaine, CEI, Focus Maine, MAA, MSG, DACF, Maine Food Convergence Network, MOFGA, DECD

MEASURES Number of partnerships between aquaculture and agriculture organizations • Number of marketing efforts between agriculture and aquaculture and local food

RESOURCES Partial FTE to make connections • Aquaculture Experiment Stations and resources for extension and outreach—can include additional experimental farms at CCAR, DEI, and DMC or support for the existing farms (i.e. personnel, boats, programming, insurance for participants, participant costs, gear etc.)

GOAL 4

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

ACTION ITEM

Support government leadership for sustainable Maine aquaculture

WHO DMR, DECD, MAA, DACF, MAIC, GMRI, Governor's Office of Policy Innovation, Maine Climate Council, aquaculture sector

Direction from state for municipalities to include working waterfront and seafood uses in their Comprehensive Plans

MEASURE State directive for municipal-level working waterfront development (DECD statewide plan) **RESOURCE** \$15,000 for partial FTE

Cohesive messaging on aquaculture from DMR and DECD

MEASURE Updated documents from both departments with matching language on future of aquaculture sector **RESOURCES** Partial FTE for communications personnel

Designate funds to moving Maine seafood products out of state

MEASURE Increase in out-of-state sales/profits of aquaculture products **RESOURCES** \$150,000 total: \$50,000 for supply chain analysis, and \$100,000 for producer support

State sponsored consumer education effort

MEASURE Development of state aquaculture educational materials/knowledge campaign **RESOURCES** \$150,000 with additional \$25,000 for partial FTE

Prepare for offshore aquaculture development

MEASURE A SWOT analysis and development plan for offshore aquaculture **RESOURCES** \$150,000 to host facilitated meetings, gather partners

ACTION ITEM

Encourage towns to include active working waterfronts in comprehensive plans (including aquaculture where appropriate)

WHO MMA, Maine Coastal Program, DMR, DACF, MSG, GMRI, DECD, SEAMaine

MEASURE Number of towns with working waterfront considerations in comprehensive plans **RESOURCES** \$40,000 (includes .5 FTE) (GMRI) • Partial FTE to assist towns as needed

Exploration of aquaculture development zones (note: not permitted right now) with help of municipalities, establishing areas pre-vetted through a local planning process that accounts for regional nuances

MEASURE Study examining utility of aquaculture zones in Maine with comparison to other locations **RESOURCE** 1 FTE

Assess benefits of aquaculture as ecosystem health management tool

MEASURE Municipal-level trial assessing ecosystem health benefits of aquaculture (e.g. bioextraction, bioremediation) **RESOURCE** \$40,000 to fund trials

Develop mechanism for towns to share best practices and lessons learned

ACTION ITEM

Develop aquaculture best management practices (BMPs)

WHO DMR, ARI, MAA, FocusMaine, MSG, MAIC

Update Chapter 24 DMR regulations (importation of live marine organisms) with industry input

MEASURE Number of farms acknowledging their adoption of the BMPs. **RESOURCE** Additional FTE (veterinarian) for DMR

Convene task force and update industry-wide BMPs for biosecurity

MEASURE Updated BMP document on biosecurity **RESOURCES** .25 FTE and funding for graphics/report

Produce BMPs on aquaculture production and gear

MEASURES BMP document for production and gear **RESOURCES** \$30,000 salary (.5 FTE) to lead BMP project • \$5,000 for graphic layout and distribution

Include BMPs for being a good neighbor (as described in Goal 2)

MEASURES BMP document for being a good neighbor **RESOURCES** (Included in resources above)

Incorporate adoption of BMPs as a component of the leasing process

ACTION ITEM

Build on workforce training, including diversity, equity, and inclusion

WHO ARI, MSG, UMaine System, Maine Community College System, GMRI, Educate Maine, MAA, MCCC, MCFA, SEAMaine Workforce Development sub-committee, University of New England, College of the Atlantic, Bates, Colby, Bowdoin

MEASURES Number of women, BIPOC, and LGBTQ+ working in the industry (self-reported) • Number of women, BIPOC, and LGBTQ+-owned businesses

RESOURCES \$30,000 .5 FTE salary and \$5,000 for curriculum development • Workforce Training and Research Building in Orono (serves entire state including CTE and CC)-\$7M • 4 faculty positions (Business/Economic; Engineering; Seaweed; Processing) dedicated to aquaculture: \$588,000 for year 1, \$470,000 for years 2 and 3, and \$235,000 for subsequent years • \$100,000 for advertising and marketing (bullet) \$94,000 for an Education Coordinator • \$100,000 for regular transportation between facilities

Inventory of aquaculture workforce development projects and increased coordination among efforts

MEASURES Report(s) produced on aquaculture workforce development projects **RESOURCES** (Included in resources above)

Address training needs for seafood production and working on farms: vocational training, apprenticeship programs, occupational standards connected to wage increases, training shellfish harvesters in stock enhancement production methods

MEASURES Number of programs teaching aquaculture skills • Number of participants

GOAL 4 *(continued)*

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

ACTION ITEM

Invest in working waterfronts and expand supply chain infrastructure

WHO DACF, DMR, MSG, coastal planners, Maine Coastal Program, MTI, AQSW, FEMA, EDA

Encourage formation of cooperatives to support needed facilities, upgrades, shared space and gear

MEASURES Number of aquaculture coops in Maine

Look at linkages and overlaps between support services (supply and distribution) of fisheries and aquaculture, as well as freshwater aquaculture

MEASURES Report assessing overlap in distribution between aquaculture and wild fisheries • Potential to work with other sectors of highly-perishable products **RESOURCES** \$50,000 supply chain analysis, as referenced in Goal 3

Partner with other types of foods for transport, especially other highly-perishables

RESOURCES \$5,000 to begin meetings • FTE for coordination

Support development of new markets and value-added products (VAP), both of which are investment opportunities

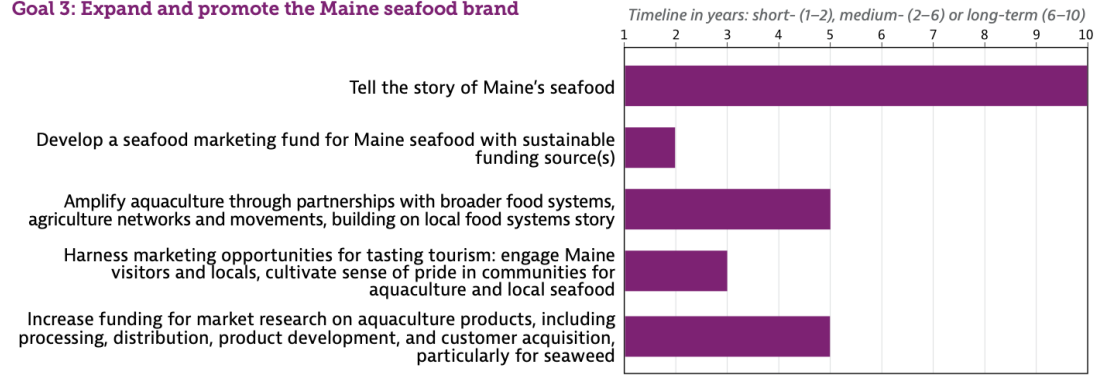
MEASURES Amount of money invested in VAP **RESOURCES** \$250,000 as listed in Goal 3

Funds to save and maintain working waterfronts

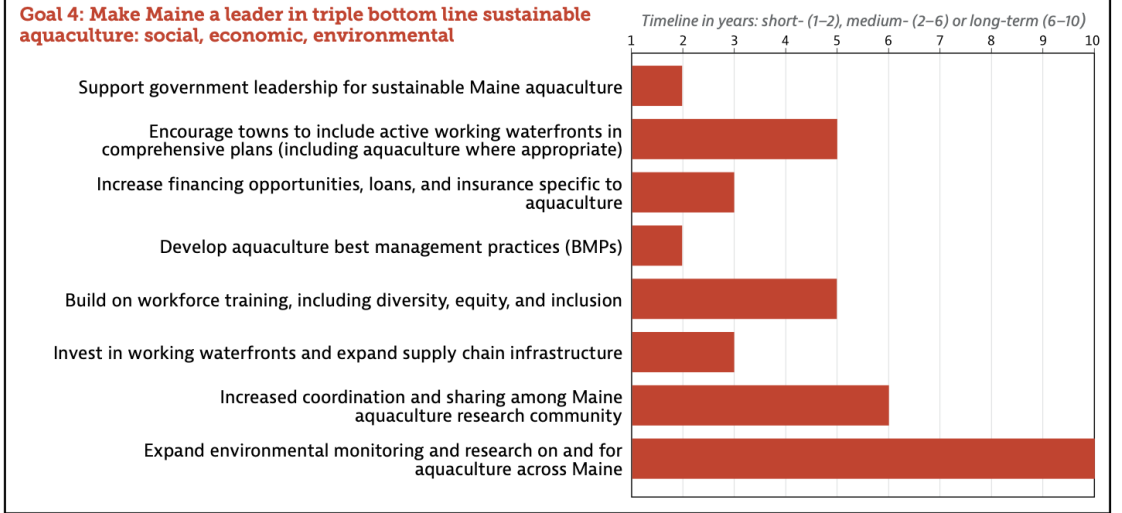
MEASURES Amount of funds directed through working waterfront protection program **RESOURCES** \$250,000 biannually



Goal 3: Expand and promote the Maine seafood brand



Goal 4: Make Maine a leader in triple bottom line sustainable aquaculture: social, economic, environmental



Implementation:
Collaboration





DISCUSSION

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 43)

MEASURE Total number of state budget dollars dedicated to aquaculture on an annual basis. **RESOURCE** \$200,000 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

ACTION ITEM

Increase support for aquaculture license applicants within the permitting process

WHO DMR, MSG, ARI, MAA, Maine Aquaculture Hub, municipalities, MAIC, GMRI

MEASURE Number of successful lease applications per year **RESOURCES** Partial FTE to engage with applicants • .5 FTE for application support (MAIC)

Provide informational resources for both applicants and public to visualize aquaculture (e.g. map, locations, pictures) along with peer-reviewed research about the various types of aquaculture

MEASURES Number of visits to DMR aquaculture map webpage • Creation of central location for peer-reviewed research, and number of visits to that webpage • Number of visits to MSG/ARI/MAIC/MAA education/resources pages **RESOURCES** \$10,000 to create a website that hosts permitting-relevant peer-reviewed research, to be included on DMR leasing webpage

Strongly encourage engagement and suggest prospective farmers speak with communities; provide newly created community engagement guide/outreach Best Management Practices (BMPs) to all applicants

MEASURES DMR support of community engagement BMPs • Sent to all applicants (or number of downloads of engagement strategy docs, per Goal 2, action item 1) • MAA to integrate BMPs into association BMPs and conduct BMP training **RESOURCES** .25 FTE (included as part of 2 FTEs listed in the above action item) • .25 FTE for BMP training (MAA)

ACTION ITEM

Expand opportunities for input from broader aquaculture sector and others in policy development

WHO DMR, MAA, MSG, municipalities, Manomet, MCFA

MEASURE Strategy/mechanism developed to enable conversation between aquaculture sector and DMR before rules are proposed **RESOURCE** .25 FTE (included as part of 2 FTEs in first action item of Goal 1)

ACTION ITEM

Improve municipal awareness of permits moving through the process and fluency of that process

WHO DMR, DEP, MAA, MHMA, Maine Town Managers Association, MSG, municipalities, Manomet

Develop aquaculture education days for municipalities and increase distribution of info sheets

MEASURES Number of aquaculture education days for municipalities • Number of attendees at aquaculture training days **RESOURCES** .5 FTE (\$50,000) for staff time and project costs to develop curriculum and host training sessions • DMR education staff member • \$10–20k seed grant to pilot in 3–4 communities



GOAL 2

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

ACTION ITEM

Co-create a guide with farmers, to be used by applicants and existing farmers, on how to be a good neighbor, communicate with stakeholders, and integrate with the community

WHO MAA, MSG, MAIC, GMRI (acronyms for Goal 2 are below; a full list of acronyms can be found on page 43)

MEASURES Guide created for applicants and farmers • **RESOURCES** \$15,000 to compensate salary (partial FTE) for project lead • \$7,000 for graphic layout, printing, and online distribution • \$20,000 and .5 FTE per year (GMRI)

ACTION ITEM

Expand outreach at the state and local level

WHO DMR, MSG, ARI, MAA, GMRI, Manomet, DEP

Better publicize outreach events, educational courses, and materials in order to share information on benefits and risks, dispel myths, and share science-based information on all types of aquaculture

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MEASURES Funding for at least one DMR aquaculture education and outreach position • **RESOURCES** 1 FTE (in addition to 2 FTEs listed in Goal 1) requiring \$100,000 annually • DMR education staff member

GOAL 2 *(continued)*

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

ACTION ITEM

Create informal outlets to showcase aquaculture research, enable researchers to communicate their science beyond publishing papers

WHO MSG, ARI, MAIC

MEASURE Development of research community newsletter for aquaculture science in Maine

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ACTION ITEM

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RESOURCES \$5,000 for updated webpages and increased communications and advertising



GOAL 4

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

ACTION ITEM

Support government leadership for sustainable Maine aquaculture

WHO DMR, DECD, MAA, DACF, MAIC, GMRI, Governor's Office of Policy Innovation, Maine Climate Council, aquaculture sector

Direction from state for municipalities to include working waterfront and seafood uses in their Comprehensive Plans

MEASURE State directive for municipal-level working waterfront development (DECD statewide plan) **RESOURCE** \$15,000 for partial FTE

Cohesive messaging on aquaculture from DMR and DECD

MEASURE Updated documents from both departments with matching language on future of aquaculture sector **RESOURCES** Partial FTE for communications personnel

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MEASURE Development of state aquaculture educational materials/knowledge campaign **RESOURCES** \$150,000 with additional \$25,000 for partial FTE

Prepare for offshore aquaculture development

MEASURE A SWOT analysis and development plan for offshore aquaculture **RESOURCES** \$150,000 to host facilitated meetings, gather partners

ACTION ITEM

Encourage towns to include active working waterfronts in comprehensive plans (including aquaculture where appropriate)

WHO MMA, Maine Coastal Program, DMR, DACF, MSG, GMRI, DECD, SEAMaine

MEASURE Number of towns with working waterfront considerations in comprehensive plans **RESOURCES** \$40,000 (includes .5 FTE) (GMRI) • Partial FTE to assist towns as needed

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MEASURES Municipal-level trial assessing ecosystem health benefits of aquaculture (e.g. bioextraction, bioremediation) **RESOURCE** \$40,000 to fund trials

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GOAL 4 (continued)

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

ACTION ITEM

Invest in working waterfronts and expand supply chain infrastructure

WHO DACF, DMR, MSG, coastal planners, Maine Coastal Program, MTI, AQS, FEMA, EDA

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Support development of new markets and value-added products (VAP), both of which are investment opportunities

MEASURES Amount of money invested in VAP

RESOURCES \$250,000 as listed in Goal 3

Funds to save and maintain working waterfronts

MEASURES Amount of funds directed through working waterfront protection program

RESOURCES \$250,000 biannually

