Derelict Fishing Gear Action Planning Workshop

Use the **toolbar below** to mute yourself



- Please type the following into the chat box on the right side bar:
 - **G** Full name

Welcome!

- Affiliation
- □ State/region where you work
- □ What derelict fishing gear item is your biggest priority into the chat box
- □ Please also use the chat box for any **technical issues**
- U Web cameras are optional, but turning it off may increase connection speed

We will get started at 9:30 AM

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MID-ATLANTIC MARINE DEBRIS ACTION PLAN DERELICT FISHING GEAR GOAL TEAM WORKSHOP DECEMBER 1, 2020



Welcome + Opening Remarks

NOAA

Tech Tips and Ground Rules

- □ Please stay on **mute** unless we ask you to unmute
- □ In order to be placed into breakout rooms, you **MUST** have used the link provided and either joined via computer audio or one of the dial in options
 - □ If you **ONLY** called in with a phone number, you must exit and rejoin with the link
- Video is at your discretion
- □ This meeting will **NOT** be recorded
- Use the chat box for any **technology issues** or **questions**



Poll #1: How far did you travel to attend this meeting?

Please use the icon

on the right sidebar to

answer the poll question



Workshop Agenda

- 9:30 am Workshop kick off + introductions
- 9:45 am Report out on Goals, strategies, and objectives
- 10:00 am Breakout room instructions
- 10:05 am Breakout room session (with short stretch break in between)
- 11:05 am Wrap up + Next steps
- 11:30 am Adjourn



Workshop Objectives

- Strengthen Mid-Atlantic marine debris community and foster relationship-building
- Refine and prioritize the Objectives and Actions for your Goal Area
- Provide stakeholders an opportunity to provide input and feedback on the Actions
- Confirm organizational commitments as leads and support roles to implement the Actions



Workshop Planning Team



Christy Kehoe Mid-Atlantic Regional Coordinator



Demi Fox Northeast Regional Coordinator



Amanda Dwyer Marine Debris Program Specialist/Knauss Fellow



Ya'el Seid-Green Communication and Policy Specialist



Jason Rolfe Response Coordinator

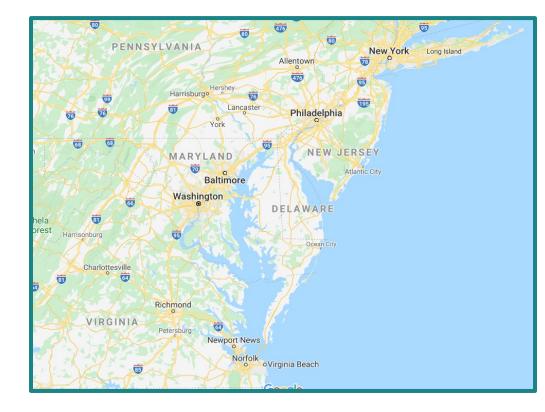




NOAA

Mid-Atlantic Region

Delaware, Maryland, New Jersey, New York, Virginia, and Washington, DC

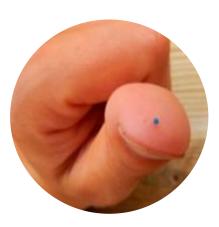




Marine Debris in the Mid-Atlantic

Marine Debris Definition: Any persistent solid material that is manufactured or processed and directly or indirectly, intentionally or unintentionally, disposed of or abandoned into the marine environment or coasts.











DERELICT FISHING GEAR

NORA

Photo: NOAA



Sources



Ocean-based

- Commercial and recreational fishing
- Offshore oil and gas
- Cargo ships
- Abandoned and derelict vessels

Land-based

- Littering
- Dumping
- Poor waste management practices
- Stormwater discharge, run-off
- Extreme weather events



Marine Debris Impacts

Photo: Conserve Wildlife Foundation of New Jersey



Community



Action Plan Overview + Background

ПОАЯ



NOAA Marine Debris Program Role

Established in 2006 by Congress as the U.S. federal lead for marine debris. Reauthorized in 2018.

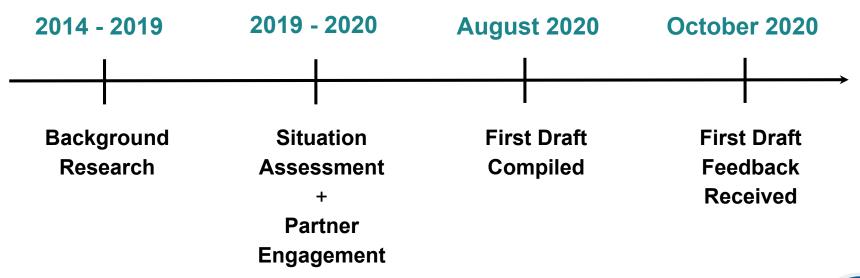
Mission: to investigate and prevent the adverse impacts of marine debris

5 Pillars: Regional Coordination

Regional Marine Debris Action Plans

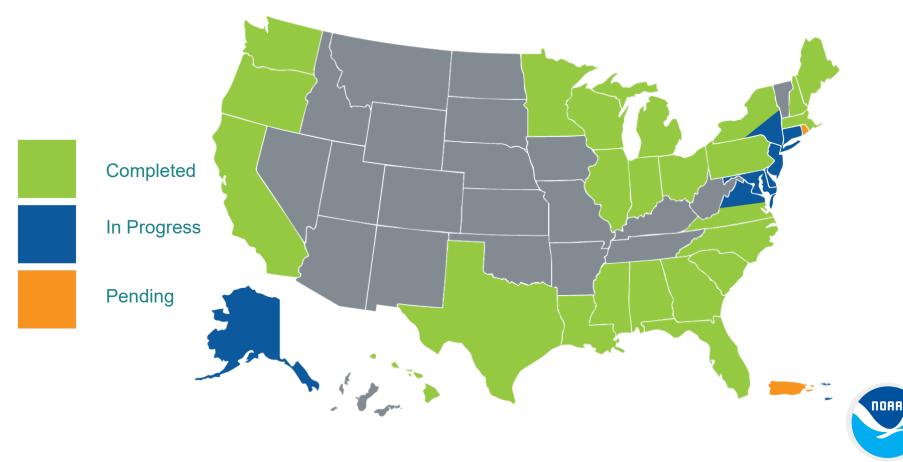


Timeline + Progress



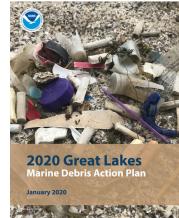


Regional Action Plans





2020 Florida **Marine Debris Reduction Plan** April 2020





Marine Debris Action Plan





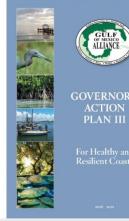
2019 Oregon Marine Debris Action Plan





2018 Hawai'i **Marine Debris Action Plan**

January 2019







2019 Southeast Marine Debris Action Plan

June 2019



2018 Washington Marine Debris Action Plan

September 2018



2018 California Ocean Litter Prevention Strategy: Addressing Marine Debris from Source to Sea

October 2014

Developing a Marine Debris Reduction Plan for Virginia

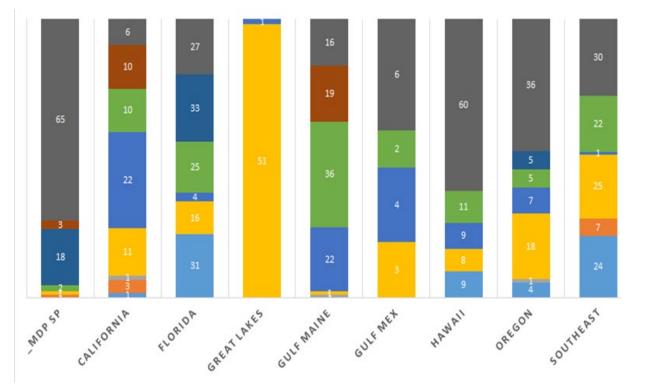
Katle Register, Executive Director, Clean Virginia Waterways

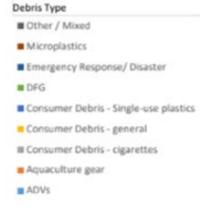
Juder the direction of

Todd Janeski, Virginia Commonwealth University Angela Neilan, Community Involvement Specialist, Virginia Departme



Regional Action Plan Analysis - Debris Types







Regional Action Plans - Lessons Learned







2020 Florida Marine Debris Reduction Plan

April 2020



Goal 2: Reduce the Amount of Derelict Fishing Gear

Derelict lobster trap ghost fishing and impacting seagrass habitat in the Florida Keys National Marine Sanctuary (Photo credit: Florida Fish and Wildlife Conservation Commission).

Strategy 2.1: Conduct education and outreach on DFG and aquaculture gear

ctions

- 2.1.1. Develop effective DFG messaging for specific commercial and recreational gear types (e.g., nets, line, traps, aquaculture)
- 2.1.2. Incorporate DFG messaging into educational materials (e.g., multimedia, social media, ad campaigns)
- 2.1.3. Conduct workshops and trainings for recreational anglers and shellfish aquaculturists on how to reduce lost fishing gear (e.g., trap deployment, proper line rigging, marking)
- 2.1.4. Conduct outreach and coordinate with key stakeholders and decision makers to ensure they have knowledge of, and access to, relevant scientific literature and background information regarding DFG

Strategy 2.2: Reduce the loss and impacts of fishing and aquaculture gear

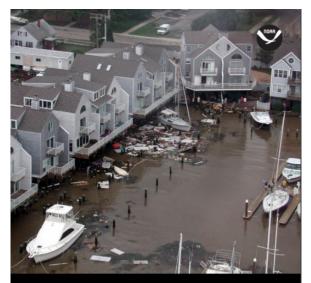
Actions

- 2.2.1. Define the causes of loss for various gear types used in Florida
 2.2.2. Gather input from stakeholders to identify ways to reduce gear loss
 2.2.3. Develop fisheries BMPs and make them available in English and Spanish
 2.2.4. Report the effectiveness of recreational trap licensing implementation
- 2.2.5. Develop debris management regulations for offshore mariculture facilities

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Marine Debris Emergency Response Debris Guides



Maryland Marine Debris Emergency Response Guide: Comprehensive Guidance Document

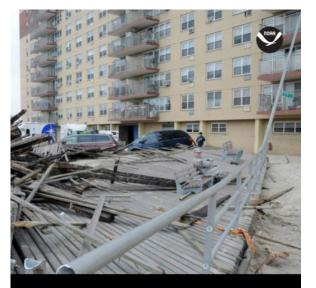
NOAA Marine Debris Program National Oceanic and Atmospheric Administration U.S. Department of Commerce July 2020

Photo: Crystal Payton, Federal Emergency Management Agency



Virginia Marine Debris Emergency Response Guide: Comprehensive Guidance Document

NOAA Marine Debris Program National Oceanic and Atmospheric Administration U.S. Department of Commerce February 2020



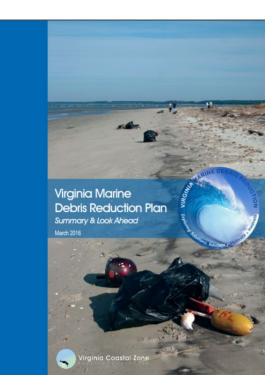
Delaware Marine Debris Emergency Response Guide: Comprehensive Guidance Document

NOAA Marine Debris Program National Oceanic and Atmospheric Administration U.S. Department of Commerce June 2020



https://marinedebris.noaa.gov/emergency-response-guides-and-regional-action-plans#pub-term-144

Alignment with Other Regional, State, Local Planning



October 2014

Developing a Marine Debris Reduction Plan for Virginia

Written and prepared for the Coastal Zone Management Program by:

Katie Register, Executive Director, Clean Virginia Waterways

Under the direction of:

Laura McKay, Manager, Virginia Coastal Zone Management Program

Stakeholder facilitation and research by:

Todd Janeski, Virginia Commonwealth University

Angela Neilan, Community Involvement Specialist, Virginia Department of Environmental Quality



Development of the Viginia Marine Debris Reduction Plan was funded by the Viginia Coastal Zone Management Program at the Deparimenter of Environmental Quality through Grant NALNOSLaposz, Tak syssy and Grant NALNOSLaposR, Tak sys of the National Ocease: and Atmospheric Administration, Office of Coastal Zone Management Under McGatal Zone Management Act of sizs, as assended.





Situational Assessment











Stakeholder Feedback 1:1 calls

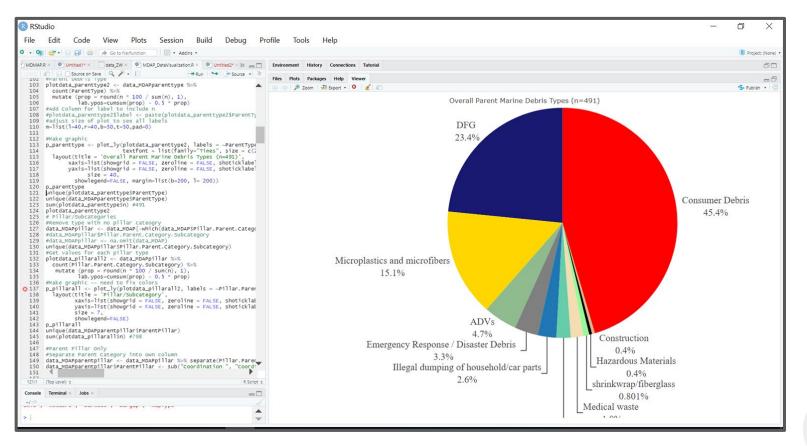
Mid-Atlantic Meetings Analyzed Regional Data

Collected Feedback



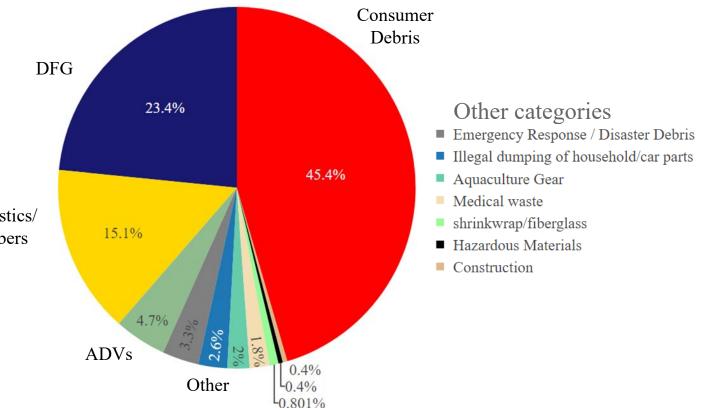
Footnote: The data presented here was collected in spring/summer 2020, to inform the development of the Mid-Atlantic Marine Debris Action Plan. Individual contributors will not be identified within. If this information is to be used to inform any further work, please reach out to Christy Kehoe, NOAA Marine Debris Program Mid-Atlantic Regional Coordinator for details.

R Data Analysis Tool



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Data Analysis- Top Debris Types - Goal Areas

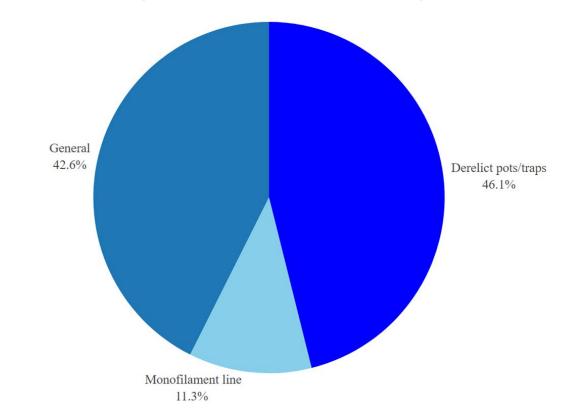




Footnote: This graph is a visual representation of feedback collected during one-on-one stakeholder calls with marine debris partners during the spring/summer 2020. This data serves as a snapshot into regional priorities to be regularly reviewed during future partner feedback periods of the Action Plan.

Microplastics/ Microfibers

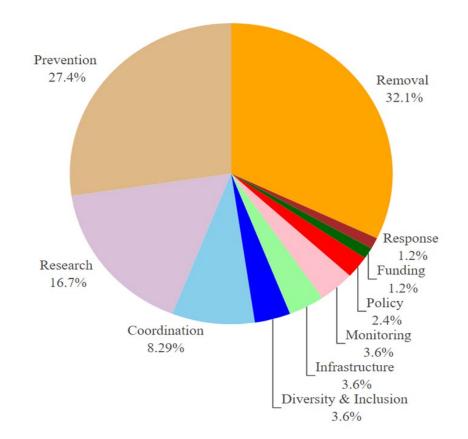
Data Analysis - DFG - Sub-Types





Footnote: This graph is a visual representation of feedback collected during one-on-one stakeholder calls with marine debris partners during the spring/summer 2020. This data serves as a snapshot into regional priorities to be regularly reviewed during future partner feedback periods of the Action Plan.

DFG Data Analysis - Priorities- Strategies - Objectives



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Footnote: This graph is a visual representation of feedback collected during one-on-one stakeholder calls with marine debris partners during the spring/summer 2020. This data serves as a snapshot into regional priorities to be regularly reviewed during future partner feedback periods of the Action Plan.

Mid-Atlantic Marine Debris Action Plan Draft

NOAA



Action Plan Structure

Vision: To keep the Mid-Atlantic region, coasts, communities, habitats, wildlife, and our ocean free from the impacts of marine debris.

Mission: The Plan will reduce marine debris through strengthening regional partnerships to understand, prevent, and mitigate marine debris through increased research, preventative actions, reductions in impacts, and collaborative efforts of diverse groups.

Timeline: 2021 - 2026



Mid-Atlantic Marine Debris Action Plan Structure





Action Plan Goals Areas

Derelict Consumer Debris **Fishing Gear** Abandoned + Microplastic + **Derelict Vessel** Microfiber + Vessel-**Related Debris**



Strategies

1. Prevention, Education, Outreach

2. Research and Monitoring

3. Proper Disposal and

4. Removal

5. Policy and Management



Written Partner Feedback -Suggested Actions



Mid-Atlantic Marine Debris Action Plan: Partner Written Feedback

Please complete this Partner Feedback Form to provide suggestions for Actions that you are leading, or willing to lead or support with the Mid-Atlantic marine debris community over the five years. Please submit your response by COB November 6, 2020.

Important Feedback Form Considerations, please read closely: -This form is only for organizations working on marine debris in the mid-Atlantic. -Please suggest SMART(specific, measurable, achievable, realistic, and time-sensitive) actions. Example: "By the end of the Action Plan, promote a plastic pollution awareness day in the region in both English and non-English languages."

-Please select the primary Goal Team you'd like your organization to participate in. You will then be directed to add your notes to that Goal Team's section of the Action Plan. -Once submitted, you will be sent a confirmation email.

If you have any questions, please email Christy.Kehoe@noaa.gov.

* Required







Action Leads and Partners

Leads

Partners responsible for undertaking Actions that fulfill the objectives and reporting on the progress, challenges, and completion of the action.

Partners

Responsible for supporting and undertaking Actions that fulfill the objective and for providing input on progress.

Objective 1.2. By 2025, address at least four identified research gaps and complete at east 20 research projects. Lead(s) [bold] and Actions Partner(s) 1.2.1. By 2021, write a peer-reviewed research review paper on marine University of Western Ontario, debris in the Great Lakes Region and identify key data gaps for University of Wisconsinthe research community. Superior, Penn State Behrend, University of Toronto, Rochester Institute of Technology, Wayne State University, Loyola University 1.2.2. Within the first two years of the plan, host one basin-wide Old Woman Creek NERR, Penn workshop with researchers and stakeholders to seek input on State Behrend, Great Lakes Sea Grant Network, Wayne State research priorities. University, University of Western Ontario, NOAA MDP 1.2.3. By 2021, establish and test standardized metadata for various Penn State Behrend, Pollution environmental media (water, sediment, biota). Probe, Council of the Great Lakes Region, Shedd Aguarium 1.2.4. By 2025, complete at least five studies on the sources and University of Western pathways of marine debris into the Great Lakes. Ontario, Rochester Institute of Technology, University of Milesenseles Consenters Harbornster.



Action Plan - Monitoring

trategy	Action	Metrics	Lead Organization	Partner Organizations	Contact	Email	Individual Stat	us Overall Status	Status Update	Notes
trategy 1.1: Prevention, Education, Outreach										
Objective 1.1.1: By the end of 202X, promote		# indivuals engaged, # partners	Org A		NAME A	@org	In progress	 In progress 	2/21/21	
formation-sharing and support XX outreach and ducational campaigns with coordinated messaging	campaigns against the intentional release of balloons using strategies developed and promoted through			ORG B	NAME B	@org	In progress	*	2/22/21	
rgeted at consumer debris items to raise public	preventballoonlitter.org to reach at least XX individuals and XX relevant businesses and support local legislations.			ORG C	NAME C	@org	Not started	*	2/23/21	
wareness of available science, data collection,				ORG D	NAME D	@org	In progress	*	2/24/21	
esearch, laws and regulations.				ORG E		The second	States	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the second	
	1.1.1.2. By end of the Plan, host at least XX regional workshops about consumer debris issues and impacts to mid-Atlantic regional species, habitat, and communities.	# workshop/webinars								
	1.1.1.3. By the end of Plan, promote a coordinate and promote a plastic pollution awareness day in the region in both English and non-English languages.	# event created				Mid-Atlanti Action Prog		ebris Action e	Plan:	
	1.1.1.4. By the end of 202X, develop and expand zero waste awareness for Action Plan partner operations including practical strategies and actions for consumer debris reduction, as well as distribute it to at least XX partners in the region.						one action. If your organi	NE] Please note, this form (zation is working on multipl		
	1.1.1.5. Form a partnership with an inclusion, diversity, and equity expert to assist MDP with assessing the needs of underserved and underrepresented audiences	expert consultant hired, situational assesment complete				Email address * Your email				
	1.1.2.1. Form a partnership with an inclusion, diversity, and					Name				

Action Plan: Information-Sharing

		Marine [mid-atlantic Debris Colla	borative	
	HOME		ABOUT		RESOURCES
WELCOME		LOCATIONS	DETAILS		
		r interactive map and narine debris projects EXPLORE PROJE	in the Mid-Atlantic.		EVENTS AND ANNOUNCEMENTS Participate in events in your area.
					FUNDING OPPORTUNITIES Find funding for organizations and projects. VIEW POSTINGS



Questions

NOAN

Photo: NOAA



In the chat box, please enter:

What topic you are most excited to discuss or learn about today



Breakout Room Instructions

Based on your interest in goal STRATEGIES

Room 1: Prevention, Education, and Outreach (5 actions)Room 2: Research, Monitoring, and Policy & Management (9 actions)Room 3: Proper disposal & Infrastructure, and Removal (5 actions)



Tech support needs, email: Jason.Rolfe@noaa.gov



Goal Workshop Wrap Up + Next Steps

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Photo: Stockton University

Breakout Room Report Out

Room 1: Prevention, Education, and Outreach (5 actions)

Room 2: Research, Monitoring, and Policy & Management (9 actions)

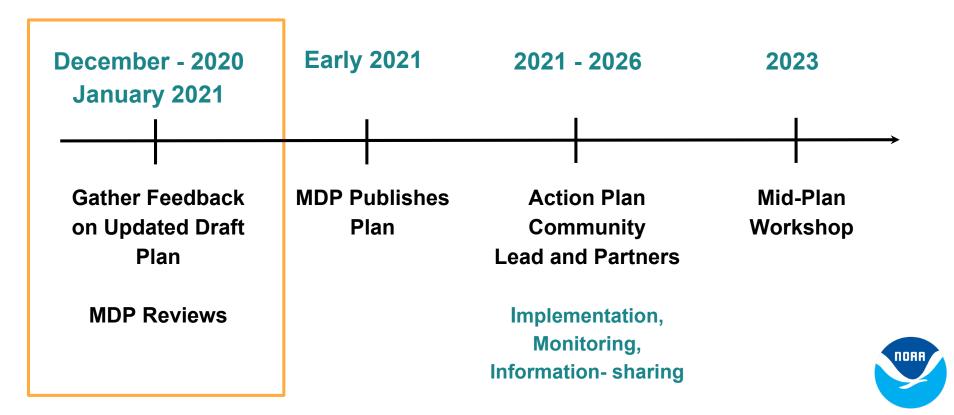
Room 3: Proper disposal & Infrastructure, and Removal (5 actions)

Report Out

- # of actions (progress)
- Biggest challenges mentioned
- Creative solutions/trends



Timeline + Next Steps



Written Partner Feedback + 1:1 Calls

Derelict Fishing Gear

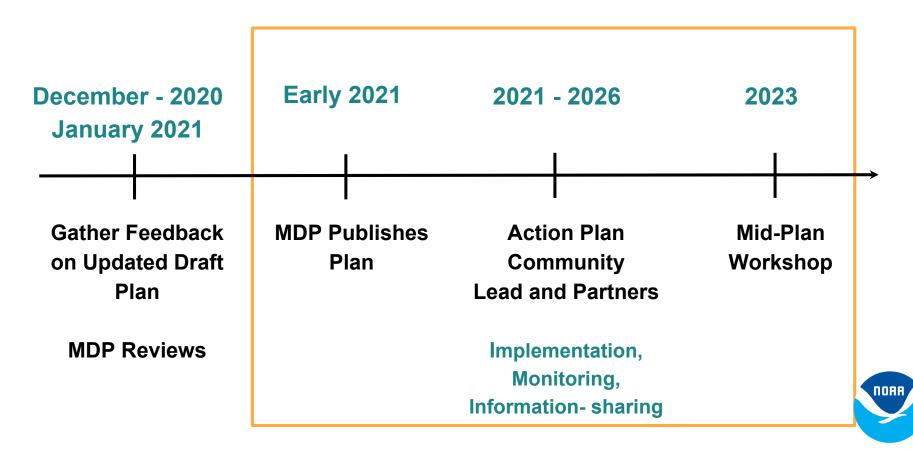
Goal 1. Collaborate with industry to reduce impacts of DFG in the Gulf	of Maine
Objective 1. Understand and communicate the rates, quantities, and va	rieties of fishing gear loss
Strategy 1.1: Identify reasons for gear loss	
Actions	Partner(s)
1. Analyze Maine DMR and Massachusetts DMF gear loss surveys and disseminate results to industry contacts	Center for Coastal Studies
2. Replicate Maine DMR gear loss survey considering updated gear specifications	
3. Create a summary report of the values and challenges of enforcing wet storage requirements 4. Work with the Northeast Regional Ocean Council to integrate any existing data on DFG/GFG into the Northeast Ocean Data Portal to map the debris and see if there are patterns of aggregate pollution; as the portal enables layering of data, analysis could layer data for vessel traffic, migratory species, etc to investigate the possible reasons for gear loss as well as identify possible issues for spatial use conflict (such as USCG, DOT, ACE, BOEM), which could then help gain partner buy-in from other fed. agencies for identifying and advancing solutions.	
Strategy 1.2: Assess environmental/economic costs of DFG	
Action	Partner(s)
1. Replicate Massachusetts-based DFG mortality studies in Maine and New Hampshire 2. Examine DFG recovery data for economic implications (commercial or rec fishery, gear loss value, cost of disposal, etc.)	Center for Coastal Studies, Gulf of Maine Lobster Foundation NH Sea Grant/Blue Ocean Society?
Objective 2. Investigate alternative options for disposal of DFG, plastic	s, and vessel waste
Strategy 2.1: Expand convenient shoreside/onboard disposal and recy	cling options
Actions	Partner(s)
1. Continue to pursue programs to provide shoreside DFG recycling and disposal	National Fish and Wildlife Foundation NH Fish and Game?

Sarah Kollar 1:48 PM Jun 14 Sounds good! We can share our current messaging and also adopt/share agreed-upon messaging for this region specifically. Happy provide any of our current resources in the meantime Laura Ludwig 2:23 PM May 17 Add: ", Community Development Partnership (Cape Cod)" Blue Ocean Socie... 5:02 PM Jun 27 Add paragraph Blue Ocean Society for Marin... 5:03 PM Jun 27 Sustainable Seacoast - this is their mission and they are based in Portsmouth area. Has anyone reached out to them? Blue Ocean Socie... 5:03 PM Jun 27 Add: "Sustainable Seacoast" Melissa Gates 3:39 PM Jun 28 Note: Surfrider Foundation's OFR

NOAR

tood service establishments)

Timeline + Next Steps



Monitoring

Goal 1: Understand, Prevent, and Mitiga	te the Impacts of Consumer Debris									
Strategy	Action	Metrics	Lead Organization	Partner Organizations	Contact	Email	Individual Status	Overall Status	Status Update	Notes
Strategy 1.1: Prevention, Education, Outreach										
Objective 1.1.1: By the end of 202X, promote		# indivuals engaged, #	Org A		NAME A	@org	In progress 🔻	In progress	2/21/21	
nformation-sharing and support XX outreach and	campaigns against the intentional release of balloons using strategies developed and promoted through	partners		ORG B	NAME B	@org	In progress *		2/22/21	
educational campaigns with coordinated messaging targeted at consumer debris items to raise public awareness of available science, data collection,	preventballoonlitter.org to reach at least XX individuals and XX relevant businesses and support local legislations.			ORG C	NAME C	@org	Not started 👻		2/23/21	
				ORG D	NAME D	@org	In progress		2/24/21	
research, laws and regulations.				ORG E	NAME E	@org	In progress *		2/25/21	
	1.1.1.2. By end of the Plan, host at least XX regional workshops about consumer debris issues and impacts to mid-Atlantic regional species, habitat, and communities.	# workshop/webinars						Sec. 4	9	
	1.1.1.3. By the end of Plan, promote a coordinate and promote a plastic pollution awareness day in the region in both English and non-English languages.	# event created								
	1.1.1.4. By the end of 202X, develop and expand zero waste awareness for Action Plan partner operations including practical strategies and actions for consumer debris reduction, as well as distribute it to at least XX partners in the region.								I-Atlantic	
	1.1.1.5. Form a partnership with an inclusion, diversity, and equity expert to assist MDP with assessing the needs of underserved and underrepresented audiences	expert consultant hired, situational assesment complete						Please	reply to the followin odate updates on o submit multiple for	ng questions ne action. If y
	1.1.2.1. Form a partnership with an inclusion, diversity, and equity expert to assist MDP with assessing the needs of							Thank y * Requir		



ine Debris Action Plan: Jpdate

by [DEADLINE] Please note, this form can only your organization is working on multiple actions, action.

NOAA,

Email address *

Your email

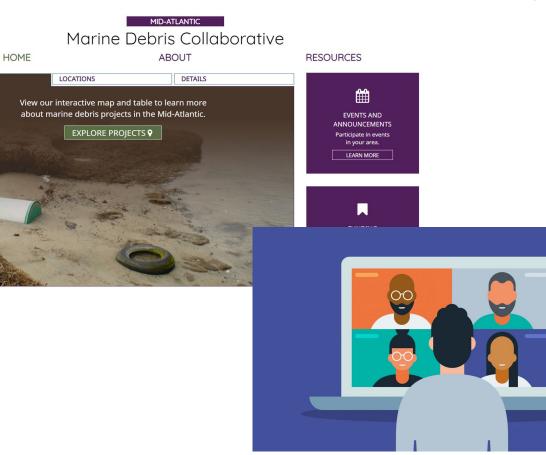
Name

Your answer

Affiliation

Your answer

Information-sharing



WELCOME



Nuisance flooding in downtown Annapolis, Maryland (Photo: NOAA)



New Funding Opportunity: FY2021 Marine Debris Program Removal Notice of Funding Opportunity

The NGAA Marine Debris Program is prout to announce that our <u>FX</u> <u>2021 Marine Debris Removal notice of funding opportunity</u> is now open through Sept. 4, 2020 This opportunity provides funding to support on-the-ground marine debris removal projects, with prority consideration for efforts targeting deteil of fahing gear, abandoned and deteild vessels, and other medium- and large-casel edbris as well as prevention considerations. The letter of intent deadline is 04/20. Learn mores.

Response: Delaware Marine Debris Emergency Response Guide Published

The NOAA Marine Debris Program is pleased to release the Delaware Minine Debris Emproyer (Fascone Cuide). <u>Concertensive Cuidance Decument</u> (Guide), a product of a collaborative process with state and federal agencies. The Guide aims to improve preparedness for response and recovery operations following any natural disaster or event that generates Debris Program will be focusing on New Jersey for the next emergency response guide planting efforts. Learn more.



Funding Opportunities

HOME	ABOUT	RESOURCES	
HOHL		Action Plans	-
UNDING OPPORTUNITIES		Educational Resources Funding Opportunities	$\overline{}$
arious grants and other funding opportunities fo on timeline, scope, and how to apply.	r marine debris activities can be found below. Please navigate to e	5 11	ailed information
in timeline, scope, and now to apply.		Research and	
Gearch:		Publications	
BOATUS FOUNDATION AND BERKLEY RECAST & Ri https://www.boatus.com/news-room/release/ent			
Y21 NOAA MARINE DEBRIS PROGRAM FUNDING https://marinedebris.noaa.gov/funding/funding-o			
NATIONAL FISH AND WILDLIFE FOUNDATION FISH	HING FOR ENERGY GRANTS		

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Mid-Plan Action Plan Update Workshop - 2023







Thank you for your continued feedback, consideration, and interest in the Action Plan



Questions/Comment/Suggestions?

Please reach out to Planning Team coordinators below:

Christy Kehoe

Mid-Atlantic Regional Coordinator Christy.Kehoe@noaa.gov

Jessica Conway

Planning and Preparedness Specialist Jessica.Conway@noaa.gov

Demi Fox Northeast Regional Coordinator Demi.Fox@noaa.gov Ya'el Seid Green Policy Specialist yael.seid-green@noaa.gov

Amanda Dwyer Knauss Fellow Amanda.Dwyer@noaa.gov



Photo: NOAA