Welcome!

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**:
  - Full name
  - 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**

- Web cameras are optional, but turning it off may increase connection speed

**We will get started at 9:30 AM**
Welcome + Opening Remarks
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

Amanda Dwyer  
Marine Debris Program Specialist/Knauss Fellow

Demi Fox  
Northeast Regional Coordinator

Jason Rolfe  
Response Coordinator

Ya’el Seid-Green  
Communication and Policy Specialist
DERELICT FISHING GEAR GOAL

MID-ATLANTIC MARINE DEBRIS ACTION PLAN

OVERVIEW - PROGRESS - NEXT STEPS

Photo: Scott Curatolo-Wagemann
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

Photo: NOAA
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
Action Plan Overview + Background

Photo: NOAA
NOAA Marine Debris Program Role


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

5 Pillars: Regional Coordination

Regional Marine Debris Action Plans
Timeline + Progress

2014 - 2019
- Background Research

2019 - 2020
- Situation Assessment + Partner Engagement

August 2020
- First Draft Compiled

October 2020
- First Draft Feedback Received
Regional Action Plans

- **Completed**
- **In Progress**
- **Pending**
Regional Action Plan Analysis - Debris Types
Regional Action Plans - Lessons Learned
Goal 2: Reduce the Amount of Derelict Fishing Gear

Derelict fishing gear (ghost fishing) and impacting wildlife 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

- **Actions**
  - 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
Marine Debris Emergency Response Debris Guides

Alignment with Other Regional, State, Local Planning
In Progress

10

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

Overall Parent Marine Debris Types (n=491)

- Consumer Debris: 45.4%
- DFG: 23.4%
- Microplastics and microfibers: 15.1%
- ADVs: 4.7%
- Emergency Response / Disaster Debris: 3.3%
- Illegal dumping of household/car parts: 2.6%
- Construction: 0.4%
- Hazardous Materials: 0.4%
- Shrinkwrap/fiberglass: 0.801%
- Medical waste: 0.4%
Data Analysis - Top Debris Types - Goal Areas

- **Consumer Debris**: 45.4%
- **DFG**: 23.4%
- **Microplastics/Microfibers**: 15.1%
- **ADVs**: 4.7%
- **Other categories**:
  - Emergency Response/Disaster Debris
  - Illegal dumping of household/car parts
  - Aquaculture Gear
  - Medical waste
  - Shrinkwrap/fiberglass
  - Hazardous Materials
  - Construction

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.
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

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
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

- Goals
- Strategies
- Objectives
- Actions
### Action Plan Goals Areas

<table>
<thead>
<tr>
<th>Consumer Debris</th>
<th>Derelict Fishing Gear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microplastic + Microfiber</td>
<td>Abandoned + Derelict Vessel + Vessel-Related Debris</td>
</tr>
</tbody>
</table>
Strategies

1. Prevention, Education, Outreach
2. Research and Monitoring
3. Proper Disposal and Infrastructure
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
SMART Goals

- **Specific**: What do you want to do?
- **Measurable**: How will you know when you’ve reached it?
- **Achievable**: Is it in your power to accomplish it?
- **Realistic**: Can you realistically achieve it?
- **Timely**: When exactly do you want to accomplish it?
### 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.

<table>
<thead>
<tr>
<th>Objective 1.2. By 2025, address at least four identified research gaps and complete at least 20 research projects.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Actions</strong></td>
</tr>
<tr>
<td>1.2.1. By 2021, write a peer-reviewed research review paper on marine debris in the Great Lakes Region and identify key data gaps for the research community.</td>
</tr>
<tr>
<td>1.2.2. Within the first two years of the plan, host one basin-wide workshop with researchers and stakeholders to seek input on research priorities.</td>
</tr>
<tr>
<td>1.2.3. By 2021, establish and test standardized metadata for various environmental media (water, sediment, biota).</td>
</tr>
<tr>
<td>1.2.4. By 2025, complete at least five studies on the sources and pathways of marine debris into the Great Lakes.</td>
</tr>
</tbody>
</table>
## Action Plan - Monitoring

### Goal 1: Understand, Prevent, and Mitigate the Impacts of Consumer Debris

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Action</th>
<th>Metrics</th>
<th>Lead Organization</th>
<th>Partner Organizations</th>
<th>Contact</th>
<th>Email</th>
<th>Individual Status</th>
<th>Overall Status</th>
<th>Status Update</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Strategy 1.1: Prevention, Education, Outreach</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>Objective 1.1.1:</strong> By the end of 202X, promote information-sharing and support XX outreach and educational campaigns with coordinated messaging targeted at consumer debris items to raise public awareness of available science, data collection, research, laws and regulations.</td>
<td>1.1.1.1 By the end of 202X, support outreach and education campaigns against the intentional release of balloons using strategies developed and promoted through preventballoonlitter.org to reach at least XX individuals and XX relevant businesses and support local legislations.</td>
<td># individuals engaged, # partners</td>
<td>Org A</td>
<td>NAME A</td>
<td>@org</td>
<td>In progress ✗</td>
<td>In progress ✗</td>
<td>2/21/21</td>
<td></td>
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<tr>
<td></td>
<td>1.1.1.2. By the end of the Plan, host at least XX regional workshops about consumer debris issues and impacts to mid-Atlantic regional species, habitat, and communities.</td>
<td># workshop/webinars</td>
<td>ORG B</td>
<td>NAME B</td>
<td>@org</td>
<td>In progress ✗</td>
<td>2/22/21</td>
<td></td>
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<tr>
<td></td>
<td>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.</td>
<td># event created</td>
<td>ORG C</td>
<td>NAME C</td>
<td>@org</td>
<td>Not started ✗</td>
<td>2/23/21</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>1.1.1.4. By the end of 262X, 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.</td>
<td>X partners engaged</td>
<td>ORG D</td>
<td>NAME D</td>
<td>@org</td>
<td>In progress ✗</td>
<td>2/24/21</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>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.</td>
<td>expert consultant hired, situational assessment complete</td>
<td>ORG E</td>
<td>NAME E</td>
<td>@org</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Objective 1.1.2:</strong> Increase number of XX youth and XX adults participating in formal and informal education by</td>
<td>1.1.2.1 Form a partnership with an inclusion, diversity, and equity expert to assist MDP with assessing the needs of underserved and underrepresented audiences.</td>
<td></td>
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</tbody>
</table>

### Mid-Atlantic Marine Debris Action Plan: Action Progress Update

Please reply to the following questions by BREAKING. Please note, this form can only accommodate updates on one action. If your organization is working on multiple actions, please submit multiple forms, one per action.

**Thank you.**

* Required.

- [ ] Email address

  - [ ] Your email

- [ ] Name

  - [ ] Your answer

- [ ] Affiliation

  - [ ] Your answer
Action Plan: Information-Sharing
Questions
Poll # 2

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
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

December - 2020
Gather Feedback on Updated Draft Plan
MDP Reviews

January 2021

Early 2021
MDP Publishes Plan

2021 - 2026
Action Plan Community Lead and Partners
Implementation, Monitoring, Information-sharing

2023
Mid-Plan Workshop
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 varieties of fishing gear loss

**Strategy 1.1:** Identify reasons for gear loss

<table>
<thead>
<tr>
<th>Actions</th>
<th>Partner(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Analyze Maine DMR and Massachusetts DMF gear loss surveys and disseminate results to industry contacts</td>
<td>Center for Coastal Studies</td>
</tr>
<tr>
<td>2. Replicate Maine DMR gear loss survey considering updated gear specifications</td>
<td></td>
</tr>
<tr>
<td>3. Create a summary report of the values and challenges of enforcing wet storage requirements</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

**Strategy 1.2:** Assess environmental/economic costs of DFG

<table>
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<th>Partner(s)</th>
</tr>
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<tbody>
<tr>
<td>1. Replicate Massachusetts-based DFG mortality studies in Maine and New Hampshire</td>
<td>Center for Coastal Studies, Gulf of Maine Lobster Foundation NH Sea Grant/Blue Ocean Society</td>
</tr>
<tr>
<td>2. Examine DFG recovery data for economic implications (commercial or rec fishery, gear loss value, cost of disposal, etc.)</td>
<td></td>
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**Objective 2:** Investigate alternative options for disposal of DFG, plastics, and vessel waste

**Strategy 2.1:** Expand convenient shoreside/onboard disposal and recycling options

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<tbody>
<tr>
<td>1. Continue to pursue programs to provide shoreside DFG recycling and disposal</td>
<td>National Fish and Wildlife Foundation NH Fish and Game</td>
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*Note: Surfrider Foundation's OIF*
## Monitoring

### Goal 1: Understand, Prevent, and Mitigate the Impacts of Consumer Debris

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<td>@org</td>
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### Mid-Atlantic Marine Debris Action Plan: Action Progress Update

Please reply to the following questions by [DEADLINE]. Please note this form can only accommodate updates on one action. If your organization is working on multiple actions, please submit multiple forms, one per action.

Thank you!  
* Required

- [ ] Email address *
  - Your email

- [ ] Name *
  - Your answer

- [ ] Affiliation *
  - Your answer
Information-sharing
Funding Opportunities

Marine Debris Collaborative

FUNDING OPPORTUNITIES
Various grants and other funding opportunities for marine debris activities can be found below. Please navigate to each opportunity for more information on timeline, scope, and how to apply.

Search:  

BOATUS FOUNDATION AND BERKLEY RECAST & RECYCLE CONTEST

FY21 NOAA MARINE DEBRIS PROGRAM FUNDING OPPORTUNITIES
https://marinedebris.noaa.gov/funding/funding-opportunities

NATIONAL FISH AND WILDLIFE FOUNDATION FISHING FOR ENERGY GRANTS
https://www.nfwf.org/programs/fishing-energy

https://midatlantic-mdc.diver.orr.noaa.gov/funding-opportunities
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

Ya’el Seid Green  
Policy Specialist  
yael.seid-green@noaa.gov

Jessica Conway  
Planning and Preparedness Specialist  
Jessica.Conway@noaa.gov

Amanda Dwyer  
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