Welcome! Say hello + work out your technology

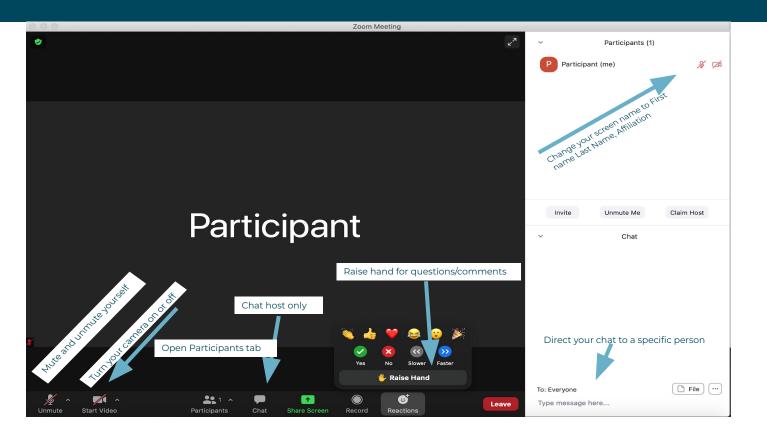


Tips for Using Zoom

- ✓ If you don't have optimal internet connection, join the meeting via computer for video & opt to dial in via phone for audio.
 - When you are dialing in, please be sure to enter your participant ID.
- **✓** Mute when not speaking.
- ✓ Rename yourself in the Participants tab with First & Last Name, Your Affiliation.
 In front of your name:
 - Team members: put * // Alternates: put *ALT
- ✔ Bring a tech-adaptive mindset as we work to maximize engagement in this online setting!



Attendee Controls



If you have any tech issues, contact Cam Hager in chat or through e-mail at chager@cbi.org

* Note- you will have to remember to put your hand down after you have spoken or it will remain up.



Atlantic Large Whale Take Reduction Team Day 2: November 15, 2022

Overview for this Week

- Day 1: Monday, Nov 14
 - Welcome, meeting goals and process
 - Summary of scoping and package analyses discussion
- Day 2: Tuesday, Nov 15
 - Regional breakouts)
 - Other related issues
- Wednesday, Nov 16 NO MEETING
- Day 3: Thursday, Nov 17
 - Further discussion on modeling results and small group work
- Day 4: Friday, Nov 18
 - Discussion of informal caucus results and next steps into December meetings

December

- Day 5: Thursday, Dec 1
- Day 6: Friday, Dec 2

Today's Agenda (Tues, Nov 15)

9:00 a.m.	Welcome (Plenary) • Purpose, agenda and ground rules review
9:20 a.m.	Regional Breakout Groups - Lobster/OTP
11:00 a.m.	Break
11:15 a.m.	Regional Breakout Groups - Gillnet
12:15 a.m.	Lunch
1:15 p.m.	Breakout Group Report Outs and Discussion
1:45 p.m.	Related Issues
4:00 p.m.	Opportunity for DST Check-in on Modeling Request Discuss Approach for Further Refining Candidate Packages
4:35 p.m.	Public Comment
4:50 p.m.	Wrap-Up and Next Steps

A Word About Meeting Structure



- Aiming for mix of plenary and small cross-caucus breakouts
- Providing templates as way to track & focus individual and group discussions
- Capturing evolving discussion through working document



Note: Agenda times may shift slightly later in the week

Ground Rules for Team Members



Agency not recording to encourage

candor; media may be present

Discussion protocols:

- Contribute need to build shared understanding
- Make room for others need to hear from all
- Ask questions of one another no easy answers
- Make good faith effort to collaborate patience, open ears and minds
- Not seeking consensus this week

To contribute to the discussion:

- Primary members
 - **Encouraged** to keep your cameras on and stay on mute unless speaking
 - Raise a virtual "hand" (remember to put it down after)
 - Chat to host only with issues (emoji reactions available)
- Alternates
 - In plenary, engage as public unless sitting in for primary
 - In cross-caucus breakouts, alternate generally in the same room as primary



Tips for Using Zoom



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 - When you are dialing in, please be sure to enter your participant ID.
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 In front of your name:
 - Team members: put * // Alternates: put *ALT
- ✔ Bring a tech-adaptive mindset as we work to maximize engagement in this online setting!



Ground Rules for Public Attendees



Public welcome to attend all plenary sessions Comment protocols - opportunity each day

- Input welcome during public comment portion
 - Share thoughts in chat or via comment during that time
 - Please keep all comments on-point and respectful
- Please remain on mute and video off at other times
- Intent is to manage public input as if we were all in room together

To contribute during Public Comment period

• Raise a virtual "hand" or signal interest in chat





Welcome and charge for the day



Session 3: Small Group Discussions

Two Rounds of Smaller Group Discussions



Session 1 - Trap/pots - 90 mins

- LMA 1 (MA, NH, ME)
- LMA 2 + OCC (CT, RI, MA)
- LMA 3
- MATL (NC through NY)

Session 2 - Gillnets, Southeast - 60 mins

- GOM (MA, NH, ME)
- SNE (CT, RI, MA)
- MATL (NC through NY)
- SE all gear (SC/GA/FL)

The goal of each group:

Write down **specific measures** that can form the contours of one or more **regionally relevant packages**. The collections of measures should aim towards the required risk reduction. The Team is at a critical juncture and needs to **start putting specific measures on the table**. These measures can then be **modeled as a package** by the DST group.



Our Worksheet - Constructing Packages

Package Option A								
Closures	Pts	Line/gear reduction	Pts	Weak rope	Pts			



Breakout Groups - Session 1



GROUP 1A-LMA 1 TP (MA, NH, ME)

Amy Knowlton (Heather Pettis)

Bill McLellan

Bob Nudd (Damon Frampton)

Clay George

Dwight Carver

Erin Burke

Erin Summers (Megan Ware)

Jay Driscoll

Jeff Putnam (Chris Mcintire)

John Haviland (Mike Lane)

Kristan Porter (Virginia Olsen)

Kristen Monsell

Patrice McCarron (Ben Martens)

Renee Zobel

Steve Nippert

Terry Alexander (ALT- NEFMC)

Toni Kerns

GROUP 1B - LMA 2 + OCC TP (CT, RI, MA)

Beth Casoni (Jeff Bartlett)

Bob Kenney

Caitlin Starks (ALT- ASMFC)

Colleen Bouffard

Dennis Heinemann

Greg Matarones (Peter Brodeur) Jane Davenport (Sierra Weaver)

Regina Asmutis-Silvia

Scott MacAllister

Scott Olszewski (Corinne Truesdale)

Stormy Mayo

Todd Sutton (Liam Sullivan)

Tom Pitchford

GROUP 1C - LMA 3 TP

Cheri Patterson

Dave Wiley

David Borden (Heidi Henninger)

Erica Fuller

Grant Moore (Jon Williams)

Mason Weinrich Nick Record

Richard Merrick

Scott Landry (Bob Lynch)

GROUP 1D- MATL TP (NC through NY)

Alex Costidis

Barbie Byrd (Casey Knight)

Billy Reid

Brian Sharp (Kathleen Collins)

Chad Power Charlie Locke

Cindy Driscoll (Amanda Weschler)

Edward Chiofolo

Greg DiDomenico (Warren Appel)

Karson Cisneros

Meghan Rickard (Jesse Hornstien)

Michael Greco Richard Merrick

Rick Marks

Somers Smott (Patrick Geer)

Sonny Gwin Wes Townsend



SE Team Members- can take a break or join MATL? Scott Buff Charlie Phillips

Chris McDonough

Raymond King

Breakout Groups - Session 2



GROUP 2A- GOM GN (MA, NH, ME)

Caitlin Starks (ALT- ASMFC) Amy Knowlton (Heather Pettis)

Ben Martens (ALT - GN) (Patrice McCarron)

Bob Nudd (Damon Frampton)

Dave Wiley

Dwight Carver

Erin Summers (Megan Ware)

Jay Driscoll

Jeff Putnam (Chris Mcintire)

Kristan Porter (Virginia Olsen)

Mason Weinrich

Regina Asmutis-Silvia

Renee Zobel

Richard Merrick

Scott MacAllister

Steve Nippert

Stormy Mayo

Terry Alexander (ALT- NEFMC)

GROUP 2B- SNE GN (CT, RI, MA)

Beth Casoni (Jeff Bartlett)

Bob Kenney

Brian Sharp (Kathleen Collins)

Cheri Patterson

Colleen Bouffard

David Borden (Heidi Henninger)

Dennis Heinemann

Frica Fuller

Frin Burke

Grant Moore (Jon Williams) Greg Matarones (Peter Brodeur)

John Haviland (Mike Lane)

Nick Record

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GROUP 2C- MATL GN (NC through NY)

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Chad Power

Charlie Locke

Cindy Driscoll (Amanda Weschler)

Edward Chiofolo

Greg DiDomenico (Warren Appel)

Jane Davenport (Sierra Weaver)

Karson Cisneros

Michael Greco

Rick Marks

Somers Smott (Patrick Geer)

Sonny Gwin

Wes Townsend

GROUP 2D - SE all gear (SC/GA/FL)

Charlie Phillips Chris McDonough

Clay George

Kristen Monsell

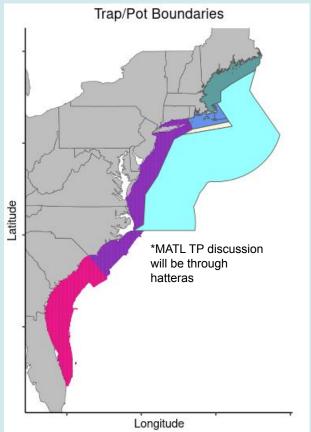
Raymond King

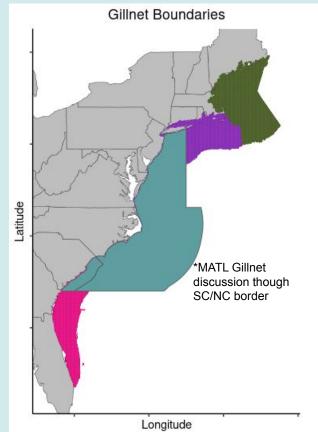
Scott Buff

Tom Pitchford



Maps







Remaining Risk Points Coastwide Post Phase 1

Lobster post-phase 1						
Region	RR points					
	remaining					
LMA 1	34.2					
LMA 2	2.3					
OCC	0.6					
LMA 2/3						
overlap	0.7					
LMA 3	9.2					
	47.0					

These breakdowns roughly reflect the specific regional composition of the breakout groups.

ОТР						
Region	RR points					
	remaining					
GOM	0.1					
SNE	0.8					
MATL	1.7					
SE	0.3					
Total	2.8					

These breakdowns do not reflect the specific regional composition of the breakout groups but can serve as a guide.

GN					
Region	RR points				
	remaining				
GOM	0.7				
SNE	2.1				
MATL	0.8				
SE	0.0				
Total	3.7				

These breakdowns roughly reflect the specific regional composition of the breakout groups.



Our Worksheet - Constructing Packages

Focus first on measures that **generate high risk reduction points**; small incremental measures won't get us there.

Individual measures are likely to yield far fewer risk reduction points once combined into packages. Accordingly, aim for packages that deliver roughly twice the remaining risk reduction targets needed.

To the extent Team members want to discuss ideas that have feasibility challenges, **put forward specific strategies to address implementation concerns.** Also, pair those approaches with **fallback strategies**.





The Team is taking a stretch break!

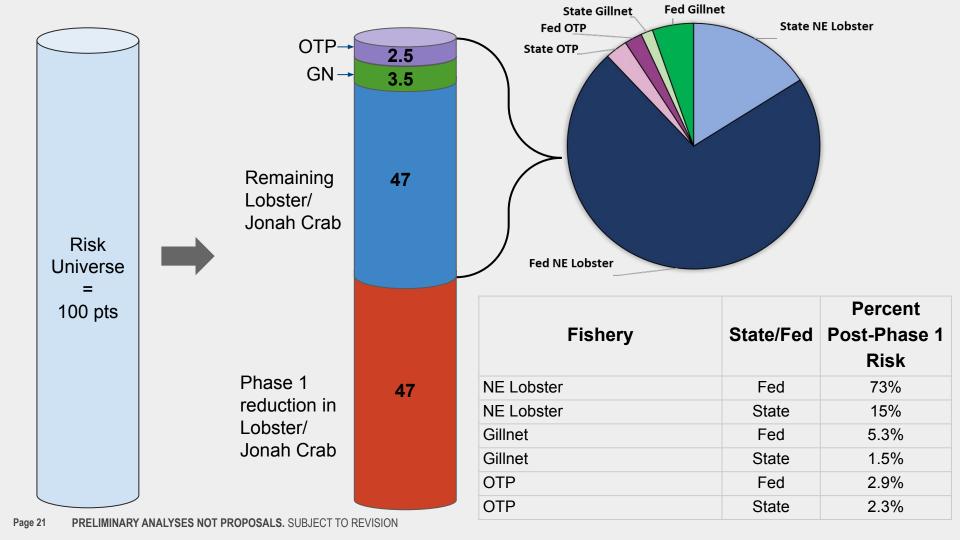
Meeting will resume at 11:15 AM ET

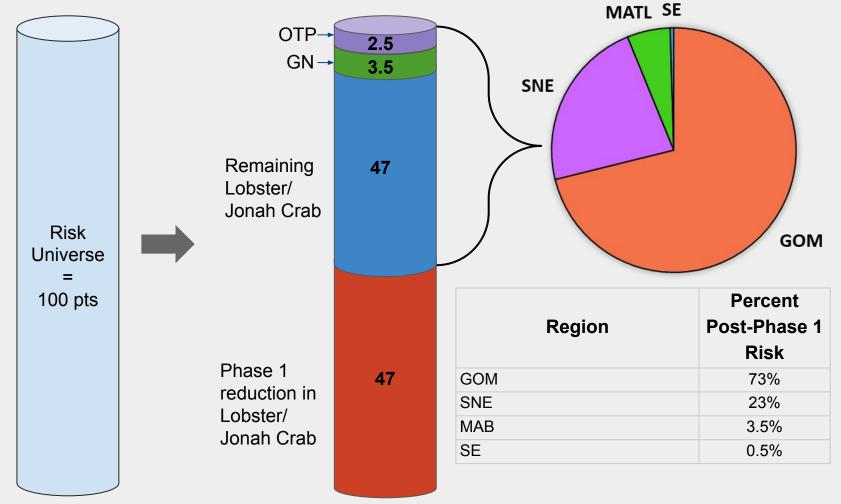


The Team is on lunch break!

Meeting will resume at 1:15 PM ET







Remaining Risk Points Coastwide Post Phase 1

Lobster post-phase 1								
Region	Total	State	Fed					
LMA 1	34.2	7.5	26.7					
LMA 2	2.3	0.6	1.7					
OCC	0.6	0.3	0.4					
LMA 2/3 overlap	0.7	NA	0.7					
LMA 3	9.2	NA	9.2					
Total	47.0	8.3	38.7					

These breakdowns roughly reflect the specific regional composition of the breakout groups.

ОТР								
Region	Total	State	Fed					
GOM	0.1	0.1	0.0					
SNE	0.8	0.6	0.2					
MATL	1.7	0.7	1.0					
SE	0.3	0.3	0.0					
Total	2.8	1.6	1.2					

These breakdowns do not reflect the specific regional composition of the breakout groups but can serve as a guide.

GN								
Region	Total	State	Fed					
GOM	0.7	0.3	0.4					
SNE	2.1	0.0	2.1					
MATL	0.8	0.5	0.3					
SE	0.0	0.0	0.0					
Total	3.7	0.8	2.9					

These breakdowns roughly reflect the specific regional composition of the breakout groups.





Session 4: Discussion on Other Related Issues

Abandoned, lost & discarded fishing gear removals in Maine and Massachusetts 2010-2022

November 15, 2022
Atlantic Large Whale Take Reduction Team Meeting

Laura Ludwig, Marine Debris Program Director Center for Coastal Studies (formerly w/ GOMLF)



Selected ALDFG removal projects*

•	2010	Maine	Zones A, B, C	GOMLF
•	2011	Maine	Zones B, D, E, F, G	GOMLF
•	2012	Massachusetts	Cape Cod Bay	CCS
•	2013	Massachusetts	Cape Cod Bay	CCS
•	2014	Massachusetts	Cape Ann to Cape Cod	GOMLF-CCS
•	2017	Massachusetts	Cape Cod Bay	CCS
•	2019	Massachusetts	Cape Cod Bay	CCS
•	2020	Massachusetts	Cape Cod Bay & Stellwagen Bank	CCS
•	2021	Massachusetts	Cape Cod Bay	CCS
•	2022	Massachusetts	Cape Cod Bay	CCS

^{*}does not include GOMLF work after 2014

Commonalities

- ME-MA State waters only
- Off-season (ME) or in closed areas (MA)
- Federally funded (apart from small yacht club donation for the MDI area in 2011)
- State-issued Special License (ME) or Letter of Authorization (MA) required
- ALDFG handling protocols developed/evolved

Derelict Trap Retrieval, Salvage & Disposal 2009-2011 - ME







- 70 fishing vessels and captains
- Worked in all zones
- No sonar surveys
- Recovered lost traps using grapple/drag method
- Returned good traps to owners
- Recycled unclaimed gear
- Documented all gear and incidental bycatch

2010	zone	boats	boat-days	total traps recovered	traps saved	traps claimed	unclaimed & delivered to Marine Patrol	total lobsters liberated
Jonesport-Beals	А	8	17	267	161	96	65	
Bar Harbor-Manset	В	10	20	610	301	186	115	
Stonington-Deer Isle	С	9	16	253	133	62	71	
		27	53	1130	595	344	251	533
2011								
Tenants Harbor	D	7	14	433	195	91	104	
Boothbay Harbor	E	11	22	567	358	228	130	
Casco Bay I	F	8	17	532	272	224	48	
Casco Bay II	F-G	10	20	375	185	98	87	
Southwest Harbor	В	7	14	335	187	147	40	
		43	87	2242	1197	788	409	940
Two-year totals		70	140	3372	1792	1132	660	1473

49% vents released; 29% vents closed; remainder crushed/NA

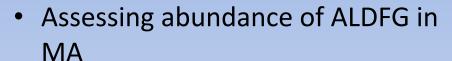
GOMLF's Fishing For Energy program, Fall 2011

Weight and costs for disposal/recycling:

Mixed METAL	Lbs	27014.848	Ton	12.0602	\$175	\$2,110.54
Brick	Lbs	225	Ton	0.1125	0	\$0.00
Trash Recovered	Lbs	16420	Ton	8.21	(\$80)	(\$656.80)
Total Hauling					-150	(\$1,200.00)
NET TOTAL			Tons	20.3827		\$253.74

Derelict Gear Abundance Survey 2014 - MA





- Enlisted 10 fishing vessels and captains
- Sonar surveys and grappling in six areas
- Recovered 33 lost traps, none fishable
- Recycled wire traps, disposed of other gear

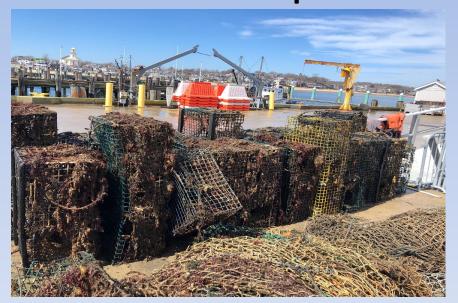






STATAREA	DEPTH STRATA (FA)	TD1	TD2	LAT_DEC		Site Selecti on	Boat	completed	traps	other gear
514	1 to 11	13832.70	25895.54	42.71374	-70.76255	13	Rockport	04/11/14		
514	23 to 33	13900.88	25817.18	42.49707	-70.76255	1	Gloucester	04/12/14	1	
514	23 to 33	13891.01	25449.50	41.98040	-70.32921	ϵ	provincetown	04/21/14		
514	1 to 11	13978.28	25380.12	41.74851	-70.39588	1	Sandwich	05/07/14	1	rope
514	12 to 22	13908.24	25408.40	41.89707	-70.31255	2	Sandwich	05/07/14		bait bag; hi flyer
514	12 to 22	13949.04	25787.76	42.38040	-70.79588	alt1	. Cohasset	05/09/14	27	groundline
514	12 to 22	13962.40	25756.51	42.31374	-70.77921	6	Cohasset	05/09/14	1	gillnet
514	12 to 22	13957.99	25717.54	42.26374	-70.72921	4	Scituate	05/14/14	1	
514	23 to 33	13919.36	25722.48	42.33040	-70.67921	10	Scituate	05/14/14	2	hung down trawl
514	23 to 33	13828.91	25791.03	42.56374	-70.62921	7	'Gloucester	inc		hung down trawl
									33	total traps

Derelict Trap Removal, Salvage & Disposal 2012-22 - MA • Seven fishing vessels and







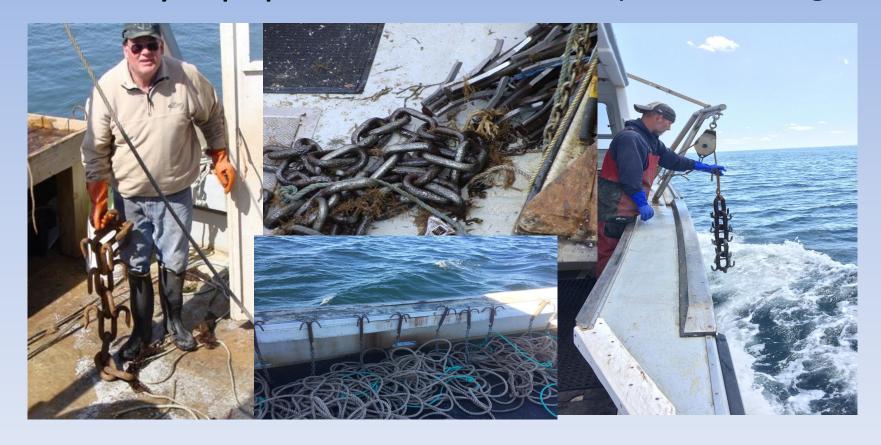


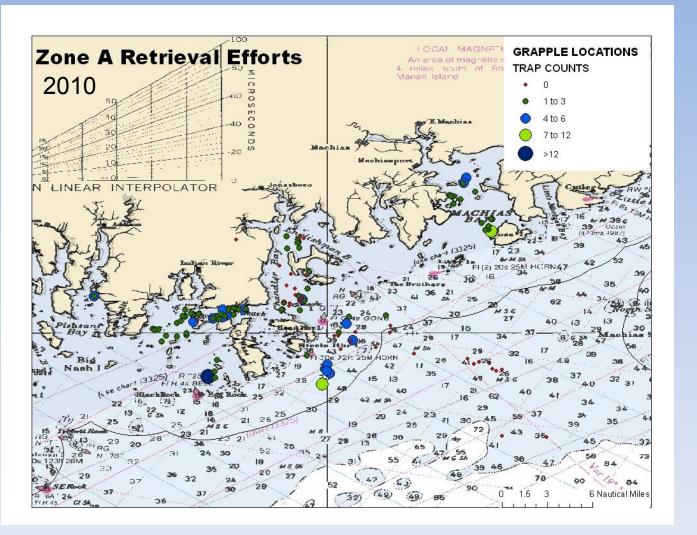
- Seven fishing vessels and captains/crew to date
- Sonar surveys/grappling in all areas of CCB
- Recovered 1564 lost traps
- Return good traps to owners
- Recycle metal, dispose or reuse other gear
- Document all gear and incidental bycatch

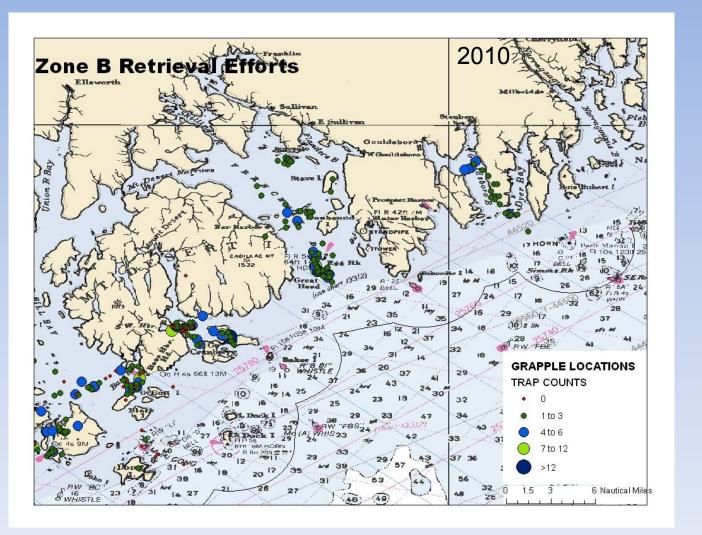
CCB At-Sea	Recovery Stats

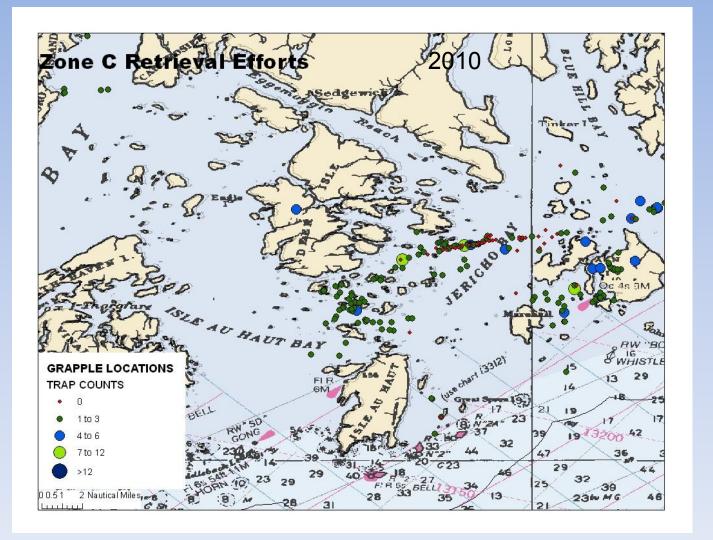
	CCB At-Sea Recovery Stats									
	2013	2014	2017	2019	2020	2021	2022	totals		
# boats - recovery	5	2	2	3	4	4	4	24		
# boat-days - recovery	24	13	9	18	18	18	20	120		
days of sonar	5	4	10	5	5	5	4	38		
# boats - sonar	1	2	1	1	1	1	1			
# fishermen	14	7	6	8	6	10	8	59		
# crap traps	130	184	80	65	188	104	79	751		
# good traps	120	142	126	153	45	74	71	731		
# total traps	250	326	206	218	233	181	150	1564		
tons good trap weight (est)	3	3.55	3.15	3.83	1.13	1.85	1.78	18.275		
tons recycled/incinerated	10	6	5.7	7.5	6.81	0	7.345	43.355		
tons total weight all recovered gear	13	9.55	8.85	11.325	7.935	1.85	9.12	61.63		

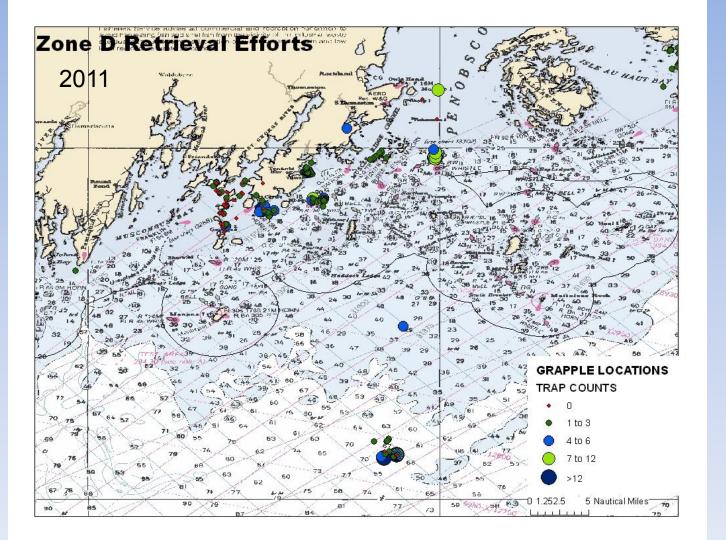
Recovery Equipment: in essence, ropeless fishing

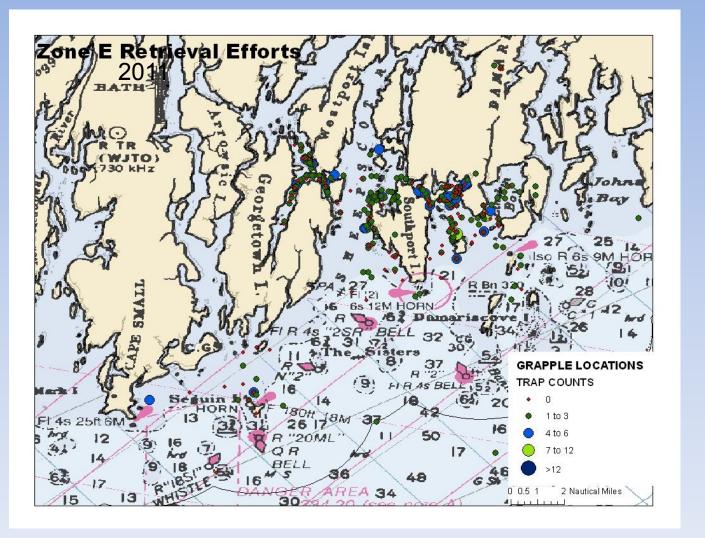


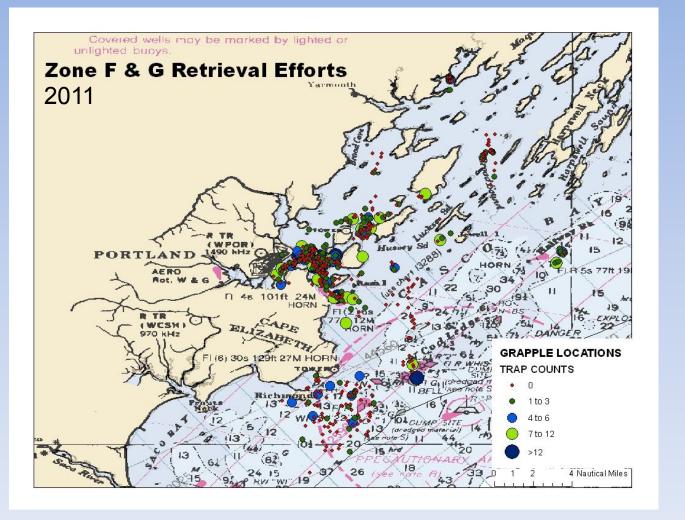


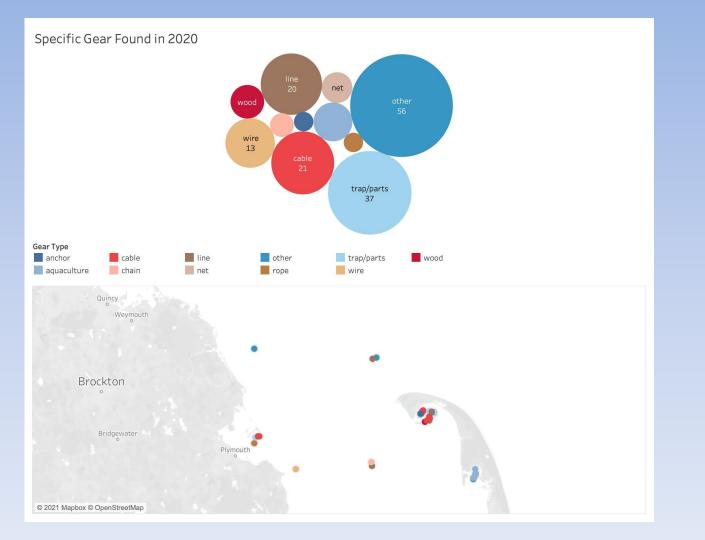


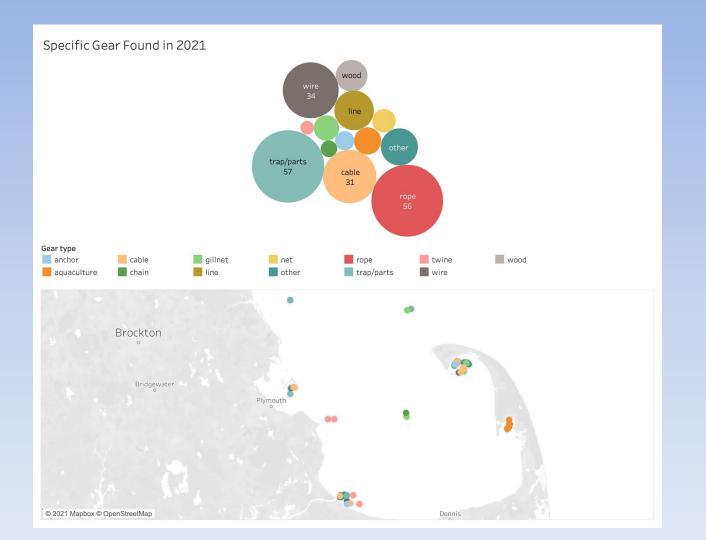










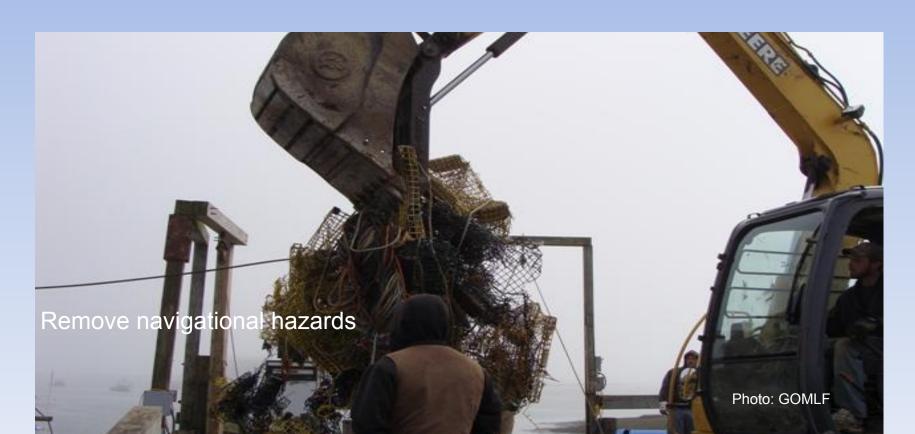


Value to Industry (conservatively)

2013-2022	118,000	726	43,860	
2014	72,000	0	0	
2010-2011	70,000	1,473	56,600	
Totals	260,000	21,990	100,460	382,450
Year	Paid to industry	value of liberated lobsters	value of returned traps	Total value to industry











Remove operational hazards

Canada's recent experience

- DFO conducting/funding ALDFG removals
- Require reporting of lost gear with mixed results
- •New condition prohibiting disposal of garbage from vessels (not enforceable)
- •Funded shoreside storage of DFG for further processing
- Provided a portal to connect industry and other partners
- •Hoping that reports of lost gear will help return recovered gear
- Submitted data to GGGI portal

Other considerations

- Work with the mobile fishing fleet
 - F/V Donna Marie in 2020, demo project in MA
 - LOA to bring in unmarked ALDFG from closed area
 - Estimated 1 ton in three trips (all junk)
- Safety at sea
 - Must be dedicated effort, not opportunistic
 - Space constraints on deck, worker safety
- Limited shoreside disposal options



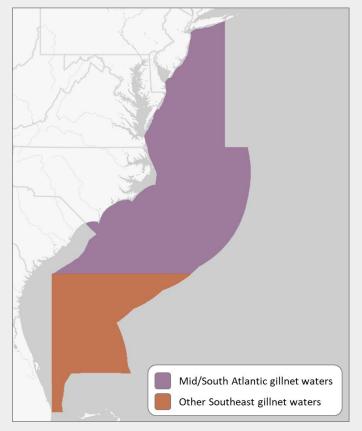
Thank you to all my collaborators

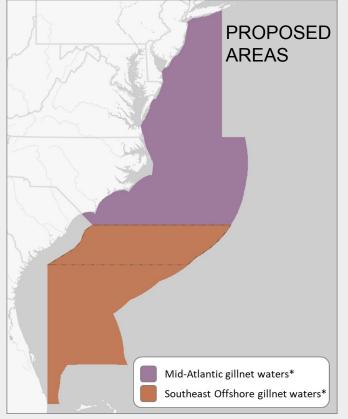
Redefining Mid-Atlantic and Southeast Areas and Gear Marking



Redefining Mid-Atlantic and Southeast Gillnet Areas

These maps are for illustrative purposes and do not represent gear marking colors

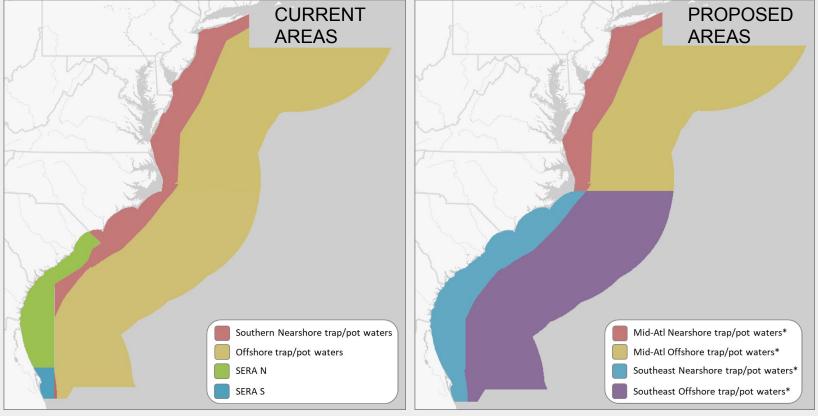




*Note the name change associated with area change

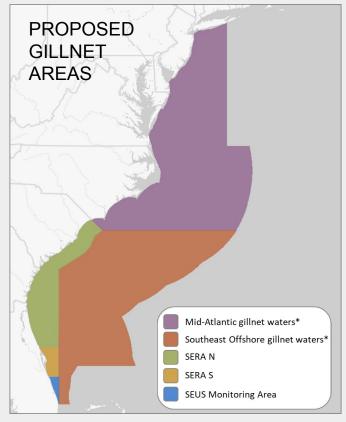
Redefining Mid-Atlantic and Southeast Trap/Pot Areas

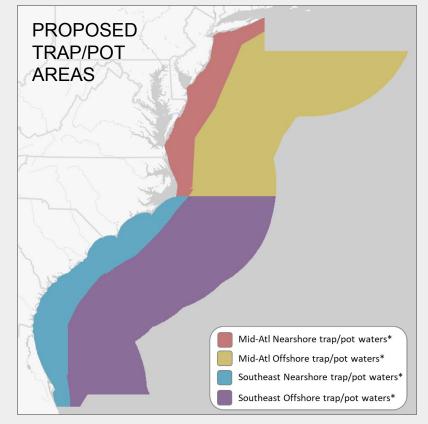
These maps are for illustrative purposes and do not represent gear marking colors



Redefining Mid-Atlantic and Southeast - SUMMARY

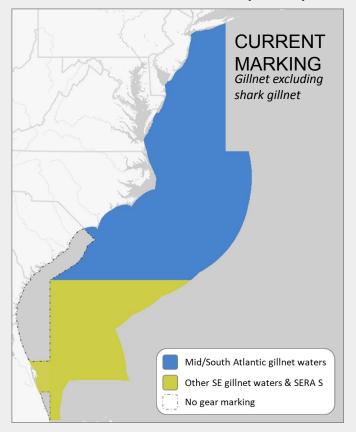
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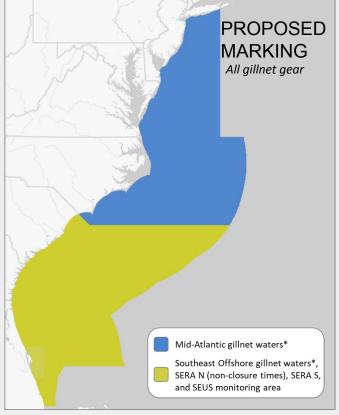




Redefining Mid-Atlantic and Southeast Gillnet Gear Marking

These maps represent gear marking colors

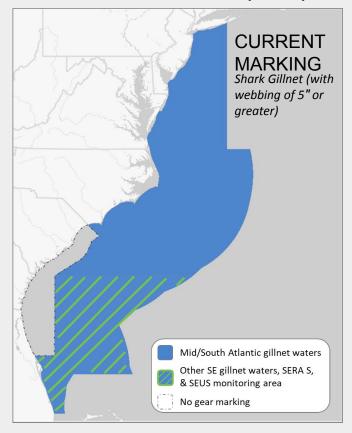


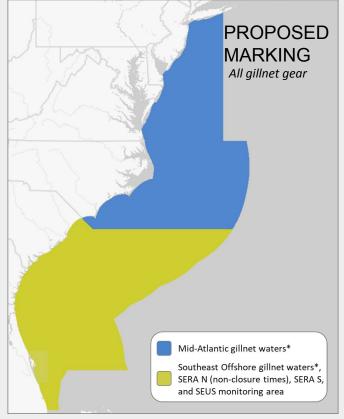


*Note the name change associated with area change

Redefining Mid-Atlantic and Southeast Gillnet Gear Marking

These maps represent gear marking colors

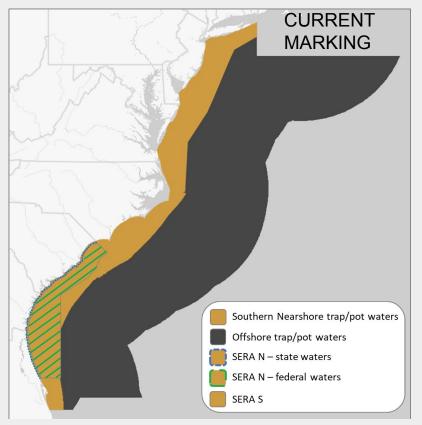


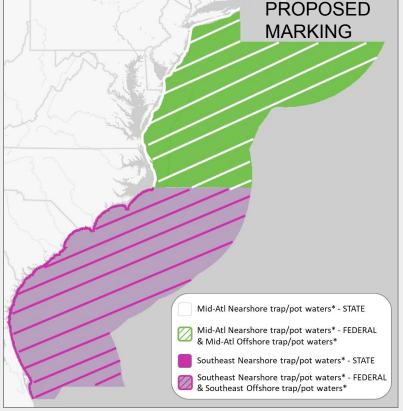


*Note the name change associated with area change

Redefining Mid-Atlantic and Southeast Trap/Pot Gear Marking

These maps represent gear marking colors







NOAA OLE via ROV operations since 2020 have documented float line 50 feet off bottom in LMA3 from the first trap to anchor. This large arch of line in the water column is an entanglement risk. GARFO also learned that some gillnetters may use float line to the anchor, so the next rule should clarify the definition of groundline to help mitigate the entanglement risk.

GARFO consulted with the Gear Advisory Panel and other fishermen to expand definition of groundline and of gangions.



New proposed groundline and gangion language for trap gear:

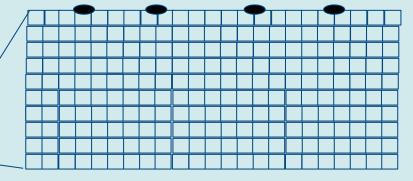
Groundline definition - Groundline is the line that settles along the bottom (ocean floor) that connects traps or gangions to the buoy lines. All groundlines must be composed entirely of sinking line. The attachment of buoys, toggles, or other flotation devices to groundlines is prohibited.

Gangion definition - Traps and anchors can be connected to the groundline and buoy line with a length of rope that is referred to as a gangion. Trap gangions can be composed of any type of line and must be no longer than 2 fathoms in length from trap bridle to the groundline. Anchor gangions on trap gear can be composed of any type or length of line, but no more than 4 fathoms can be float line.



Gillnet line and rigging definition assistance: please contact David Morin if you would like to help - David.Morin@NOAA.gov

Line description, line type, length limit?





The Team is on break!

Meeting will resume at 4:00 PM ET





Session 5: Determining How to Move Forward With Packages

Public Comment



Public comments welcome

- Share thoughts in chat or verbally
- To comment verbally, raise virtual "hand" or signal interest in chat
- Limit comments to 2 minutes; may need to adjust if many speakers
- Please keep all comments...
 - on-point
 - respectful
 - focused on issues (not individuals)
- Facilitators will intervene if ground rules are not honored; public member will be asked to leave the meeting



Wrap Up and Next Steps

Between now and Day 2 (Tuesday):

Placeholder

Three more dates for this meeting:

- Day 2: Tuesday, November 15, 9 AM to 6 PM ET
- No Meeting on Wednesday, November 16
- Day 3: Thursday, November 17, 9 AM to 4 PM ET
- Day 4: Friday, November 18, 9 AM to 2:30 PM ET

Future meeting dates:

- Day 5: Thursday, December 1, 9 AM to 5 PM ET
- Day 6: Friday, December 2, 9 AM to 5 PM ET

