

MASSACHUSETTS LOBSTERMEN'S ASSOCIATION



show your support

A LEADING Commercial Fishing Industry Association in New England

MAY 2018 NEWSPAPER • WWW.LOBSTERMEN.COM



DMF UPDATE PG 22



NEFMC UPDATE



CONGRESS TAKES ACTION PG 42



MLA Submits Comments to BOEM on Offshore Wind

The Massachusetts Lobstermen's Association (MLA) recently submitted the following comments with great concern to the Bureau of Ocean and Energy Management (BOEM) regarding the recent Notice of Intent to Prepare an Environmental Impact Statement for Vineyard Wind LLC's Proposed Wind Energy Facility Offshore Massachusetts. The MLA represents commercial fishermen that are currently and productively fishing in Lobster Management Area 2 (LMA2), Lobster Management Area 3 (LMA3) and Vineyard Sound (VS) where the Vineyard Wind LLC; approximately 800-megawatt (MW), offshore wind project is to be developed.

The development of Offshore Wind (OSW) in the Untied States is aggressively ambitious and being at the beginning stages, our hopes are that the Government will require ALL OSW developers to respond to ALL environmental concerns the commercial fishing industry

YOU CAN NOW FOLLOW THE MLA ON THE FOLLOWING SOCIAL MEDIAS



FACEBOOK www.facebook.com/mass.lobstermensassoc

If we are not already friends on FB and you want to be please send a message a we are at the 5000 limit and we will always make room for MLA members.



You

Tube

TWITTER /ww.twitter.com/masslobstermens

If you tweet and want to follow the MLA this is a great way to stay up to date with all kinds of fisheries related news.

YOUTUBE

If you have any videos of fishing you would like to share please send them along. The MLA this has the camera rolling with all kinds of fisheries related news videos. Take a look!



PINTREST p://pinterest.com/massle

Yes, now the MLA is Pinning to the wall! Take a look at Pintrest—this is the latest and hottest social media out there for sharing information. We Book, Tweet, Tube and now Pin!



Massachusetts Lobstermen's Association App now available Yes, now the MLA has an app for Apple I Phones and I Pads for FREE. When searching your app store spell MLA out. Keep up to date with all of the latest industry issues and other great tools. We Book, Tweet, Tube, Pin and now we have an App to keep you connected!



Massachusetts Lobstermen's Association App now available Yes, now the MLA has an app for Android Phones and Tablets for FREE. When searching your app store spell MLA out. Keep up to date with all of the latest industry issues and other great tools. We Book, Tweet, Tube, Pin and now we have an App to keep you connected!

Massachusetts Lobstermen's Association • www.lobstermen.com

COVER STORY

МΑΥ

0

2

2

have and address them accordingly. The commercial fishing industries have successfully fished these waters for hundreds of years and we do not want to see them destroyed in a couple of decades.

The MLA is troubled by the lack of studies that have or have not been done on the negative impacts to the lobster, conch and crab resources. Collectively, these are some of the primary and profitable species currently being harvested by our members currently in VS, LMA 2 and LMA 3. The MLA continually asks for more studies to be done on several areas of concern such as; Electromagnetic Fields (EMF), pile driving, silting, jet plowing and the overall impacts a large scale offshore wind project will have on the entire benthic habitat before a shovel of sand is moved.

Even though there have been minimal studies on EMF, nothing compares to the magnitude this project will produce and what the negative impacts will be on all sea life. The MLA is extremely concerned about any negative impact to the resources from the EMF and jet plowing the proposed "Vineyard Wind LLC is permitting an up to approximately 800-megawatt (MW) offshore wind project in federal waters in prime fishing grounds currently being fished by a multitude of fisheries."

Unfortunately, there is not a study today that can show the effects of 800MW on our ecosystem, not the UKs, and we are asking for more studies to be conducted on a much larger scale. The ecosystem in Southern New England is not the same as the UKs and nor are the countless species that depend upon our ecosystem being healthy. For the Government to use the UK as a comparison is doing a disservice to all Americans who depend on these waters for their livelihoods and Americans who enjoy healthy, clean and sustainable seafood.

We are also concerned about the safety of the fleet and their ability to safely transit to and from their homeports. We strongly ask that more research be done on the impacts of the OSW turbines and the interaction with radar on the vessels. The port of New Bedford is one of many hubs for the commercial fishing industry and the OSW lease areas are directly southeast from here and is highly travelled by the fleet. Furthermore, we are concerned about the long-term impacts of OSW to the endangered North Atlantic Right Whale (NARW). The lease areas collectively are known feeding grounds for the NARW and having any further upset to them will cause even more physiological harm to the species. The commercial lobster and fixed gear industries are continually constrained because of potential future interactions with these animals, there is not enough known about the impacts of OSW construction, electromagnetic fields and noise impacts on the NARW? Currently, we have been informed by whale specialists at the New England Aquarium that the NARW birthrates are declining, what is the impact of OSW having on these highly protected species? More research is undeniably needed in this area of concern so that the commercial fleet does not further endure any more baseless constraints.

MLA Submits Comments Continued on Page 9



Published by the Mass. Lobstermen's Assoc., Inc. 8 Otis Place Scituate. MA 02066

Published monthly

Mailed to all paid members of the Massachusetts Lobstermen's Association

Newsletter Departments

Editor, Industry News, Notice Section, Editorial, Blog, Industry News, Promotions, Layout, Advertising: Beth Casoni – Executive Director

Billing: Elaine Kracov

Buy Sell Swap: Tracey Abboud

Newsletter Advertising Rates

The MLA Newsletter is published monthly (Please note that all pre-paid ads for last year will be honored)

\$35 - ¼ Page Ad \$65 - ½ Page Ad

\$95 — Full Page Ad

Color Ads – + \$25 per ad



SPONSOR LIST

THE FOLLOWING COMPANIES ARE CURRENT; FULL \$250.00 SUPPORTING MEMBERS OF MLA. WE ENCOURAGE OUR MEMBERS TO PATRONIZE THEM. IF YOUR COMPANY IS NOT LISTED IN THIS LISTING AND YOU WOULD LIKE IT TO BE, PLEASE CONTACT TRACEY ABBOUD AT 781-545-6984 or tracey.abboud@lobstermen.com

ALIVE & KICKING LOBSTER LOUIS MASTRANGELO CAMBRIDGE, MA 617-876-0451

ARK BAIT FRESH/SALTED MENHADEN BAIT 508-678-4161

BAR HARBOR LOBSTER JEFF HAZELL ORLANDO, FL 407-851-4001

BOB LOBSTER (FISH MKT & LOBSTER POUND) ROBERT HARTIGAN PLUM ISLAND, MA 978-465-7100

BOSTON LOBSTER Lobster Dealer NEIL ZARELLA 617-464-1500 www.bostonlobstercompany.com

BOSTON SWORD & TUNA STEPHEN SCOLA Boston, MA 617.946.9850

BROOKS TRAP MILL STEPHEN BROOKS THOMASTON, ME 207-354-8763 stephen@brookstrapmill.com

C-TRAP MATT BORGES MATTAPOISETT, MA 508-758-2470

CAPE COD CLAM & SEAFOOD SO. CHATHAM CURT COLLINS 508-246-4366

CAPE CODDER MARINE, LLC BOB DOBIAS Swampscott, MA 978-979-1795 www.capecodderboats.com

CAPE SEAFOODS BAIT DEALER GERRY O'NEIL GLOUCESTER 978-479-4642

CAPE FISHERMEN SUPPLY

DAVE LIBBY CHATHAM, MA 508-945-3501 **CAPE TIP SEAFOODS** CHRIS KING PROVINCETOWN 508-487-0259

CAPE TIP SEAFOODS CHRIS KING ORLEANS 508-255-7221

CAPTAIN MARDEN'S SEAFOODS WELLESLEY, MA KIM MARDEN 781-329-7007 781-329-0792 www.captainmardens.com

CHERRY ST. FISH MARKET DANVERS, MA DARRYL PARKER 978-777-3449

CHRIS ELECTRONICS CORP. 255 MacArthur Drive New Bedford, MA 508-994-8257

COASTAL HYDRAULICS RICH TUCKER SEABROOK, NH 603-474-1914 www.coastalhyd.com sales@ coastalhyd.com

COHASETT LOBSTER POUND TOMMY ALIOTO COHASETT, MA 781-383-1551

COMMERCIAL MARINE ELEC DANIEL HODGKINS SCITUATE, MA 781-545-7883 www.comercialmarine.net

WILL COLLINS Marine Sales Manager Cummins Sales/Service Office 781-801-1772 Cell 401-339-4004 will.collins@cummins.com

DOLE & BAILEY SPENCER MONTGOMERY WOBURN, MA 781-935-1234 www.doleandbailey.com www.northeastoceans.com

EAST COAST SEAFOOD LYNN, MA SPIROS TOURKAKIS 781-593-1737 ELECTRA-DYNE CO INC. JUDY MACCAFERRI PLYMOUTH, MA 508-746-3270

FARM CREDIT EAST MIDDLEBORO, MA 508-946-4455

FISHER AIR FASTENERS ED & CHRIS FISHER PEMBROKE, MA 781-826-2522

FISHERMEN SERVICES Nancy Reid & Elaine Kracov 781-545-5073 www.fishermenservices.com

FRIENDSHIP TRAP CO. CHRIS ANDERSON FRIENDSHIP, ME 800-451-1200

GRUNDENS USA MICHAEL JACKSON POULSBO, WA 360-779-4439 www.grundens.com

HAMILTON MARINE INC. DAVID NORMAN SEARSPORT, ME 207-548-6302

JAMES HOOK & CO. ED HOOK JR. BOSTON, MA 617-423-5500

INDUSTRIAL MARINE MKTG. ROGER SMITH WAKEFIELD, RI 401-782-4412

HERCULES JOHN REARDON NEW BEDFORD MA 508-993-0010

JOLIN LOBSTER MANCHESTER, MA GEOFFREY SONES TEL 978-526-7954 / FAX 978-526-7609

JOHN M. KARBOTT CUSTOM

WOODEN BOAT BUILDING & REPAIR PLYMOUTH, MA 508-224-3709 www.by-the-sea.com/ karbottboatbuilding KETCHAM TRAPS ROBERT KETCHAM NEW BEDFORD, MA 508-997-4787

KINGFISHER TRAP CARL HOWARD DENNIS, MA 508-385-5968

KING LOBSTERS D.J. KING BRANFORD, CT 203-488-6926

KING MARINE LLC CAPT. GEORRDIE KING MARINE SURVEYOR 207-337-8706 kinggeordie@comcast.net

LOBSTER CRUISES PAUL QUINTAL PLYMOUTH, MA 508-746-5342

LOBSTER TRAP FISH MARKET MONUMET BEACH, MA 508-759-6400 WWW.LOBSTERTRAP.COM

LOBSTER TRAP CO. LOGAN CLARK BOURNE, MA 508-759-4928 www.lobstertrap.com

LYNCH LOBSTER CO JOHN LYNCH BEVERLY, MA 978-921-8088

MANCHESTER LOBSTER

TONY REZZA MANCHESTER, MA 508-932-0990

MARINE PROPELLER SERVICE MIKE VALM NEW BEDFORD, MA 508-979-8000

MARINE HYDRAULIC ENGINEERING ROBERT CROWE ROCKLAND, ME 207-594-9525 / 1-800-747-7550

MORTILLARO LOBSTER, INC. VINCE MORTILLARO GLOUCESTER, MA 798-281-0959 **My Family Life Insurance** JOHN BARNES GEORGETOWN, MA 978-494-4574 3 ≤

⊳

201

00

NAUSET FISH & LOBSTER POOL ORLEANS, MA REBECCA HARRISON 508-255-1019

NEW ENGLAND BOATING 508-789-6708 tom@lighthousemags.com

NEW ENGLAND CRAB COMPANY BOSTON, MA MARK NEWBERT 617-464-1999

N.E. MARINE & INDUSTRIAL INC. MIKE RICHARDSON (NH) 603-436-2836 781-834-9301 Info@

newenglandmarine.com **THE NET RESULT** LOUIS LARSEN MADITHA'S MINEVARD

MARTHA'S VINEYARD Mvseafood@vineyard.net

NEW ENGLAND PROPELLER RON PECK PLYMOUTH, MA 800-635-9504 neprop@aol.com

NORTH ATLANTIC POWER TWIN DISC ~ SAM PROFIO EXETER, NH sprofio@glpower.com 603-418-0470

NORTHEAST TRAP LLC

Michael Christian / Peter Christian Douglas, Ma 508.294.6999 northeasttrap@verizon.net

OCEAN STATE LOBSTER

KEVIN BATES NARRAGANSETT, RI 401-782-3500

PENDER MARINE SERVICES PAUL PENDER WESTWOOD, MA 617-240-1622 **SPONSORS** Continued from page 3

H

RFP LOBSTER BAIT DICK PERENTZ 774-248-0292

> NORTHBRIDGE, MA 508-234-8715

ROWAND FISHERIES DANA ROWAND 2 CABOT ST. BEVERLY MA 01915 978-927-1871

ROSES MARINE MARTY BOI COME GLOUCESTER, MA 877-283-3334 www.rosesmarine.com

SANDWICH SHIP SUPPLY DON SPRING SANDWICH, MA 508-888-0200

SEA CLIFF LOBSTER FRANK COLLINS MANOMET, MA 508-224-5700

SILVER KEY, INC. WESTPORT. MA CHUCK HUSKINS 508-673-3310

SPURS MARINE Mfg PABLO SOSA FORT LAUDERDALE, FL 800-824-5372

TWO COUSINS FISH MARKET BRIAN O'DONOHOE FREEPORT, NY 516-379-5065

🗢 Massachusetts Lobstermen's Association 🗢 www.lobstermen.com

W.B. VAN DUZER CO. WILLIAN VAN DUZER DUXBURY, MA 781-585-7664

BRENDA WEEKS TRAVEL

BRENDA WEEKS 508-274-7630 Brenda@bweekstravel.com

Wellfleet Shellfish Co. Alex Hay 508-255-5300 sales@wellfleetshell.com

WINDWARD POWER

SYSTEMS JIM & NATE TYNAN FAIRHAVEN, MA 774-992-0059 www.windwardpower.com

YANKEE FISHERMEN'S CO-

OP. SEABROOK, NH 603-474-9850

Wellfleet Shellfish Co. Alex Hay 508-255-5300 sales@ wellfleetshell.com

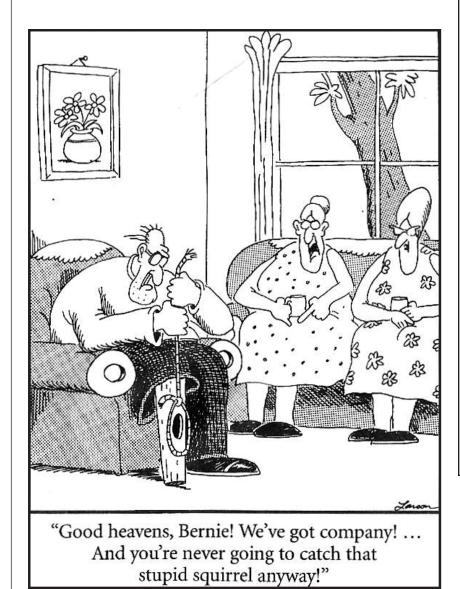
TO ALL SPONSORS PLEASE CONTACT THE MLA **OFFICE WITH CURRENT CONTACT INFORMATION IF YOU KNOW OF ANY CHANGES TO THE SPONSOR LISTS**

PLEASE LET US KNOW **Emails -Phone numbers-Contact person TO HAVE YOUR COMPANY** LISTED CONTACT **Tracey Abboud** 781-545-6984



The Massachusetts Lobstermen's Association would like to welcome the following new members to the Association. Your Association will continue its efforts on your behalf to conserve the resource, protect your livelihood, keep you informed, promote the industry and provide you with increasing benefits as they are developed. MLA stands ready to help you in anyway, at anytime - just let us know how! Safe on the water and good fishing!

<u>Member</u>	Vessel/Company	Home Port	
Gregory	F/V Fair Tide	Waymouth	
Joe Faria		Achusnett	



RIVERDALE MILLS

0 2 ≻ 4 Σ

4

00

5 ≤

A

May 2018

_					`
	5/16	MLA Delegates meeting	Son's of Italy Hall Quincy, MA	7:00 pm	2 0
	5/28	Memorial Day!	MLA & FISH offices are closed		1 8

June 2018

6/20	MLA Delegates meeting	Sons Of Italy Hall Quincy, MA	7:00 pm
------	-----------------------	-------------------------------	---------

July 2018

	7/4	Independence Day	MLA & FISH offices are closed		
--	-----	------------------	-------------------------------	--	--

MLA Member Benefits





MLA Fishermen Services Corp.

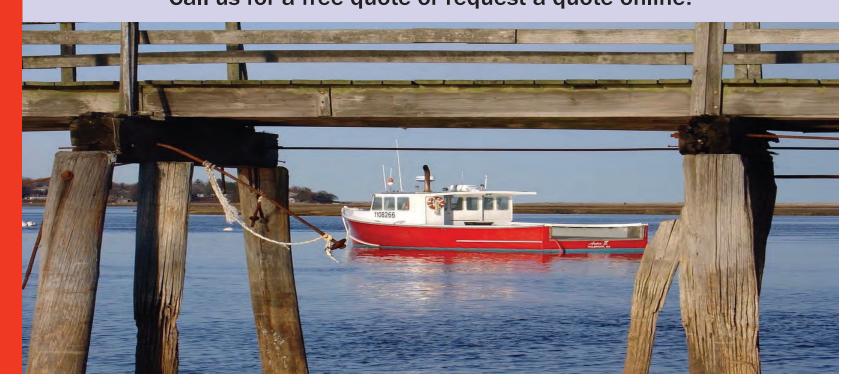
Visit us at <u>fishermenservices.com</u> now mobile friendly

Service Provider for MLA Non-Profit Boat Protection Cooperative Ltd.

MLA's #1 Commercial Boating Insurance Provider

781-545-5073

- Agreed Hull Value Protection & Indemnity
- Crew Coverage Extended Policy Limits Chartering
 - Marina Floaters Multiple Fisheries & Deductibles
 Call us for a free quote or request a quote online!



6

As the Hauler Turns

May is upon us and hopefully by the time you are reading this the whales have vacated Massachusetts waters and the closure has been lifted. On April 25th the State had extended the closure until May 7th with the hopes of lifting it as soon as possible given the late arrival of the whales this spring. I really wish these whales knew they were supposed to be gone by May 1st!

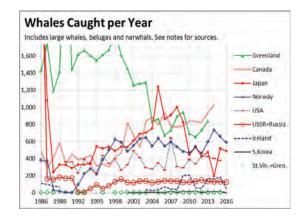
While the media has been unrelenting with its coverage on everything whale related from the whales' arrival, like it's the first time ever, to the whales' departing. The MLA has been talking with media outlets whenever possible whether it's in the papers, online or the airwaves, we've been talking. The unfortunate thing here is that the media does not like positive feed back and all they seem to want is gloom and doom! When the reality is, for Massachusetts lobstermen, you are doing the MOST for the protection of the North Atlantic Whale than anyone else in the lobster industry.....period! I would like to say a big "THANK YOU" to Plymouth lobsterman, Tom O'Reilly Jr., who arraigned a radio interview for us with WPLM to talk all things Lobstering and Whales! This podcast can be found on the MLAs website http://lobstermen.com/articles

Throughout the month of April the whale sightings were as low as 0, yes ZERO, on April 24th and as high as a 145 on April 27th. As many of you all saw the coverage by the news channels and papers that were all over these sightings as was the general public. Social media outlets were also covered with images and videos of the whales feeding of the coast as these animals were safely skim feeding near the surface as the area they were sighted in was closed to lobster/pot fishing.

Regrettably, with this media storm the general publics' perception is that these animals have been harmed due to U.S. lobstermen. How is that possible when the U.S. lobstermen have been spearheading ALL of the conservation measures currently in place in the

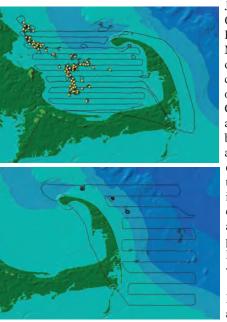
lobster industry for over 20 years? National Marine Fisheries Service most recent stock assessment states that the whale population has increased from 295 animals to 458 whales in 2015. You must be doing something right in order for the population to have increased that much in such a little period of time.

Remember, the whaling industry started in 1650 and ended approximately in 1927. That is 277 years of hard whaling pressure with tens of thousands of whales killed, how then is it realistic to expect any population to be rebuilt in less than 30 years while there are still whales being hunted today by Native Americans and Indigenous people around the world. The International Whale Commission reports that thousands of large whales have been harvested between 1968-2016. You save them and others harvest them???? It's kind of like the piping plovers... the U.S. saves them and the rest of the world eats them?! When will this madness stop?!



Furthermore, your brethren to the North in Canada is about 20 years behind in the conservation of the large whales seeing that last year of the 17 deaths reported, 12 happened in Canada due to ship strikes and snow crab gear. Five deaths were reported in U.S. waters and none were linked to fishing gear. There have also been ten confirmed entanglements in Canadian snow crab gear took place between 2016 and 2018. Snow crab gear is heavy when it's empty let alone when it has 1,000lbs of crab in it! These snow crab pots are the 6' round with 5/8" floating poly lines that have been retrieved off of dead right whales.

The Unusual Mortality Event (UME) of 2017 has fueled a judicial frenzy this spring with three lawsuits being filed and unfortunately, the MLA has been named in a lawsuit filed by Max Strahan. Yes, Max is back at it again, he seems to be the master of word smithing his litigation by using other suits that have been previously filed. Nevertheless, the MLA is working our Legal Council on how best to resolve this matter. Stay tuned!



Just recently, MLA Executive Committee member, Mark Ring, met with Senator Markey and other elected officials and discussed the commercial lobster industries ongoing efforts here in the Commonwealth and requested a query on what litigation has been filed in Canada, if any, and a more genetic sampling to be done on the overall health of the whales! Senator Markey is actively engaged with the commercial lobster industry and is willing to help wherever possible. Thank you Senator Markey, keep up the great work!

Lastly, Congressman Moulton and several other Congressional



2 0

00

members have requested to expedite the seafood import rule that was signed last year into law. (See letter on pg 42 in this newspaper) This Law mandates that any country that wants to import seafood into the U.S. must comply with our Laws in place. While some U.S. lobster dealers have expressed their concern that they would not be able to maintain their current business without lobsters from Canada the letter was supported by the MLA in hopes that this will spur more action to be taken today before another 2017 UME happens in Canada. Thank you Congress Moulton for having the commercial lobster industries back here in the Commonwealth.

The next time you are heading out fishing take a look around and see if you see any whales as they are in places where they have not been seen before due to the shifting food source and the warming waters here in the Gulf of Maine. Many fishermen have called me reporting sightings and that they have terminated their voyage to give way to the whales so that they can feed and leave safely. Now that the whales are safely departing our waters let's hope the rest of the whales season and regional span are as kind to them as Massachusetts has been. Let's hope we have a better 2018 whale season here in the North East!

As always safe on the water,

Beth Casoni

Executive Director

8 Otis Place Scituate, MA 02066	n's Association	Fax	ice 781-545-6984 781-545-7837 w.lobstermen.com
	MEMBERSHIP	APPLICATION	
TYPE OF MEMBERSHI	P	Associate\$150 Annual Dues	Business\$250 Annual Dues
(2) reside in Massachusett	ular Membership, you MUS s, (3) be sponsored by <u>eithe</u> <u>cense</u> with this application.	<u>r</u> two Regular Members or	
#1 Name	<u>Spon</u>	nsors: [] Delegate [] Regular Member
#2 Name		[] Delegate [] Regular Member
Name			
monthly newspaper, a 2"x2" ad	members will now be listed in d linked to your website will be ration and booth preferences for	added to the MLA website, pre	ferential ad location selection i
monthly newspaper, a 2"x2" ad	d linked to your website will be	added to the MLA website, pre	ferential ad location selection i
monthly newspaper, a 2"x2" ad the newspaper and early regist	d linked to your website will be	added to the MLA website, pre	ferential ad location selection i
monthly newspaper, a 2"x2" ad the newspaper and early regist Address City/Town	d linked to your website will be tration and booth preferences for	added to the MLA website, pre the MLA Annual Weekend eve	ferential ad location selection i
monthly newspaper, a 2"x2" ad the newspaper and early regist Address	d linked to your website will be tration and booth preferences for State	added to the MLA website, pre the MLA Annual Weekend eve Zip Code	ferential ad location selection i
monthly newspaper, a 2"x2" ad the newspaper and early regist Address City/Town Home Phone	d linked to your website will be tration and booth preferences for State	added to the MLA website, pre the MLA Annual Weekend eve Zip Code Work Phone	ferential ad location selection i
monthly newspaper, a 2"x2" ad the newspaper and early regist Address City/Town Home Phone Email Address Vessel Name	d linked to your website will be ration and booth preferences for State Cell Phone	added to the MLA website, pre the MLA Annual Weekend eve Zip Code Work Phone Website Permit ID#	Fax Number Type of Permit
monthly newspaper, a 2"x2" ad the newspaper and early regist Address City/Town Home Phone Email Address Vessel Name [] Check here if you wor	d linked to your website will be ration and booth preferences for State Cell Phone Homeport	added to the MLA website, pre the MLA Annual Weekend eve Zip Code Work Phone Website Permit ID#	Fax Number Type of Permit
monthly newspaper, a 2"x2" ad the newspaper and early regist Address City/Town Home Phone Email Address Vessel Name [] Check here if you wor	d linked to your website will be ration and booth preferences for State Cell Phone Homeport uld like Hull and P&I Insur	added to the MLA website, pre the MLA Annual Weekend eve Zip Code Work Phone Website Permit ID#	Fax Number Type of Permit

M AY 2018

Marine Fisheries Advisory

Area in Southwestern Cape Cod Bay is Seasonally Closed to Commercial Surf Clam/Ocean Quahog Dredge Fishing

MFC Article correction from the MLA April newspaper Please see the correct dates for Surf Clam closure below. I apologize for any confusion. -Beth Casoni

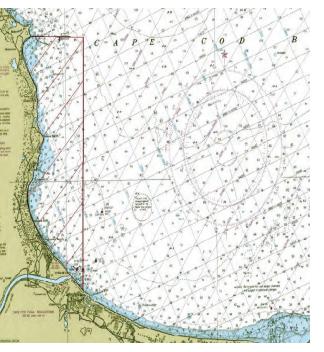
At its March 15, 2018 business meeting the Marine Fisheries Advisory Commission approved a recommendation of the Division of Marine Fisheries to seasonally close an area of southwestern Cape Cod Bay to the use of surf clam and ocean quahog dredges. This closure will be in effect annually from May 15 – October 15 within a discrete nearshore area adjacent to Ellisville and the Cape Cod Canal (Plymouth/Sandwich)

The seasonal closed area (map) is encompassed by an imaginary line drawn from Manomet Point in Plymouth, at 41° 55' latitude and 70°32.2' longitude; thence due east for 2.5 miles to where it intersects with a point at 41°55' latitude and 70°29' longitude; thence due south along the 70°29' longitudinal line to where it intersects with the shoreline in the town of Sandwich

A similar closure was implemented on a temporary and emergency basis in August 2017 and was in effect through October 31, 2017. The closure was implemented to

will alleviate the gear conflicts between dredge fishermen and lobster trap fishermen that escalated throughout the summer of 2017 and to protect egg-bearing and new-shell lobsters that seasonally utilize this area from potential impacts caused by this dredge gear.

For more information about the management of surf clam/ocean quahog dredge fishery in Massachusetts, contact DMF at 617-626-1520 or visit our website at www.mass. gov/marinefisheries.



MLA Submits Comments Continued from Page 2

Lastly, the MLA is further worried given the uncertainty and indefinite impacts to the ALL the commercial viable resources our commercial fishermen depend upon given the proposed scale of this offshore wind farm and the unknown impacts to the ecosystem an approximately 800-megawatt wind farm will have not just on the economically viable resource in the ocean but all marine life. Our fear is that once these large scale wind farms are realized and constructed it will be too late to undue the negative impacts to the ecosystem and will cause economic hardships on the commercial fishing fleet in Southern New England.

We are hopeful the Bureau of Ocean and Energy Management will require a more complete evaluation on the impacts to the habitat and resources our commercial fishermen rely on being healthy for generations to come.



Visit our website: www.friendshiptrap.com



0

00

ø ₽ 0 2 ΑY Σ



"These Pots are Smokin' !"



- **Embedded Fiberglass and Concrete Mix**
- **Stronger Than Cement** •
- Strengthens Traps for a Longer Life

111 Myrtle Street New Bedford, MA 02740 @ketchamsupply



www.ketchamsupply.com info@ketchamsupply.com 508.997.4787

MASSACHUSETTS LOBSTERMEN'S ASSOCIATION 8 OTIS PLACE, SCITUATE, MA 02066-1323 Tel. (781) 545-6984 Fax. (781) 545-7837

		you should addres	<u>RS</u> who were elected to see so your questions and sug ERS & DIRECTOR		
President Vice President Vice President Secretary/Treasurer Executive Director	Bill Li Jarret	t Drake Casoni	Gloucester Barnstable New Bedford Sandwich Marshfield	(978) 807-3457 (508) 367-0757 (508) 789-9809 (617) 688-2214 (508) 738-1245	
PAST P	RESIDENT (VOTIN	<u>(G)</u>		AREA 3	
Bernie Feeney Tom Bartlett Robert Tobin Laddie Dexter	Whitman Beverly Marshfield Marshfield	(617) 823-2936 (978) 927-4275 (781) 834-7616 (781) 834-6426	Lawrence Trowbridge *Robert Ward Michael Lane James Patterson Thomas Patterson Doug Sibbald	Scituate Whitehorse Beach Cohasset Scituate Scituate Scituate Scituate	(781) 635-0072 (508) 224-3633 (781) 545-2930 (781) 545-7121 (781) 545-5181 (781) 659-7063
James Bartlett William Bartlett Richard Cassola Mark Chafey Matthew Gonet	AREA 1 Danvers Danvers Beverly Manchester Ipswich	(978) 777-4196 (978) 750-0263 (978) 922-4973 (978) 525-3310 (978) 356-9052	Doug Sibbald Dan Herb Peter D. Mason Robert Nihtila Jr. *Bob Nihtila Sr. Scott Draper Mike Herb Mike Kohler	Marshfield So. River No. River No. River Plymouth Gr. Harbor Plymouth	(781) 659-7065 (781) 837-9189 (508) 269-8046 (781) 767-0213 (781) 767-0213 (508) 224-6455 (781) 724-4047 (781) 277-1479
Jay Michaud Susan Michaud *Mark Ring Rich Rowell	Marblehead Marblehead Gloucester Danvers	(781) 639-0001 (781) 639-0001 (978) 807-4616 (978) 774-4074		AREA 4	
Scott Swicker Therese Sauvageau *Mike Bartlett Jeff Bartlett Michael Malewicki Tim O'Keefe Mike Goodwin Tim Bartlett	Gloucester Beverly Danvers Danvers Peabody Nahant Gloucester Beverly	(978) 281-1278 (978) 281-1278 (978) 921-5485 (978)-304-7001 (978) 880-2093 (978) 538-3940 (781) 864-5789 (508) 284-4284 (978)767-1711	Emmett Carroll *Thomas Tomkiewicz Jason Drake Wes Brighton Paul McDonald Ray Gale Stephen Larsen Dan Pronk John Larsen	Chilmark Rochester Fairhaven Menemsha Menemsha Tashmoo Menemsha Nantucket Menemsha	(508) 645-9713 (774) 263-0881 (508) 454-2511 (617) 877-4157 (508) 274-7096 (774) 563-8129 (508) 645-3039 (508) 364-0518 (508) 645-3805
[*Dave Magee Wayne Iacono	Mattapoisett Chilmark	(508) 758-6996 (508) 645-9698
*William Doherty	<u>AREA 2</u> Hingham	(781) 331-4839		AREA 5	
Peter Fredrickson *Steven Holler Chad Mahoney Peter Mahoney Paul Mullen Paul Pender Fred Penney Wes Penney David Breen DJ Davis Tim Walsh Eria Maschine	Hingham Boston Hull Boston Boston Boston Hingham Quincy Hull Hull	(781) 335-0751 (617) 590-4579 (781) 925-3616 (781) 925-3100 (781) 335-6504 (781) 329-6142 (978) 667-0895 (978) 667-0895 (781)749-4375 (617) 479-6958 (617) 479-6958 (617) 852-4969 (774) 269 6010	*Willy Ogg Stephen Kelley Rob Martin Phil Michaud Todd Peters *William Souza Michael Rego Dana Pazolt Brendan Adams Ray Bois	Sandwich Sandwich Sandwich Sandwich East Dennis Provincetown Provincetown Provincetown Chatham Dennis	(508) 930-2753 (508) 224-6610 (617) 710-6322 (508) 776-8569 (508) 385-0802 (508) 487-9026 (508) 487-5111 (508) 844-3446 (774) 216-1081 (508) 394-0414 (508) 394-052
Eric Meschino *Eric Lorentzen	Hull Hull	(774) 269-6010 (774) 217-0501	William Chaprales Dean Karoblis Jr	Sandwich Sandwich	(508) 367-9658 (508) 333-7273

NOTE: PLEASE CHECK TO BE SURE WE HAVE YOUR CORRECT HOME PORT AND PHONE NUMBER.

REPORT ANY CHANGES TO TRACEY ABBOUD 781-545-6984

Massachusetts Lobstermen's Association • www.lobstermen.com

12

2018 Large Business Leader of the Year

Jim Knott was recently awarded 2018 Large Business Leader of the Year by the Worcester Business Journal. The Business Leader award is Worcester Business Journal's oldest award, honoring those who have made significant contributions to the Central Massachusetts economy and community in the past year.

"James M. Knott, Jr. was an obvious choice for the 2018 Large Business Leader of the Year award," said WBJ Editor Brad Kane. "The way Riverdale Mills has grown and diversified under his leadership -- including its hold over the seafood trap industry and developments in security fencing -- are worthy of praise. Coupled with his and Riverdale's commitment to manufacturing in the Blackstone Valley area, James is a standout member of the small class of business leaders who have won this award in the past 36 years."

Riverdale Mills founder James Knott revolutionized the lobster fishing industry when he created Aquamesh, a first of its kind marine-grade welded wire mesh designed specifically to build lobster traps for New England lobstermen. Today, over 80% of all lobster traps in North America are built with Aquamesh.

For over 30 years, Jim worked with his father and held a variety of financial, technical, and operational



positions at the company. His deep-seated knowledge of the business has proven invaluable as Riverdale Mills transitioned from a small start-up to an internationally recognized leader in the wire industry.

Riverdale Mills now manufactures over 3,500 sizes of welded wire mesh for the marine, security, farming and construction industries. 40% percent of its products are exported to industrial and consumer clients

around the world.

"Our family business has a unique and robust history, with an intense focus on innovation and long-term success, a deep-rooted dedication to our employees and unwavering determination to deliver superior products to every customer," said Knott.

OVER 20 YEARS EXPERIENCE ~ ALL MATERIALS & SIZES

MARINE W/ PROPELLER SERVICE S P **REPAIRS &** FOR FAST SERVICE RECONDITIONING CALL MIKE @ (Fast & Fully Insured) 508.979.8000 marine.propeller128@gmail.com THE MOST RELIABLE PROPELLER SERVICE COMPANY ON THE SOUTHCOAST FAIRHAVEN MA 02719 74 MAIN STREET 508.979.8000 FAX 774.206.6449



M A Y 2018

14

Offshore Wind Decision is Delayed in Massachusetts

At the last minute the commonwealth of Massachusetts leaders have delayed the decision date for its 800MW offshore wind contract call by a month until 23 May.

The Elected Officials require a bit more time while deliberating the bids that have been put forth by Orsted and Eversource, Avangrid and Copenhagen Infrastructure Partners, and Deepwater Wind.

The MLA has been actively engaged in the offshore wind development since the late 1990's and remains at the table while these projects are being developed to ensure the commercial fishing industries voices are heard.

The Commonwealth received over 20 bids by a wide array of companies, several of which had proposed different options to atian the 800MW weather it was wind and hydro from Canada or wind from Southern New England these entire proposals need to be vetted completely.

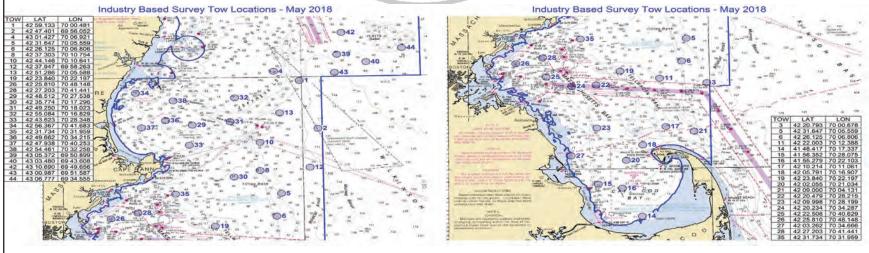
A decision was originally due on 23 April. Contract "execution" is scheduled for 2 July.



Attention Massachusetts Lobstermen

The **Massachusetts Division of Marine Fisheries** (MA DMF) has begun an Industry-Based Trawl Survey for Gulf of Maine cod (Cod IBS) aboard F/V Miss Emily. The survey area includes state and federal waters from Cape Cod Bay to the New Hampshire border. The survey starts on April 1st, 2018 and ends on July 31st, 2018 locations will be announced monthly on <u>MA DMF website</u>, social media, and the MA DMF listsery. To receive real time text message updates of the survey go to the MA DMF Website and sign up or call Bill Hoffman at 978-282-0308 ext 106. Additionally, the survey vessel will monitor <u>VHF channel 16</u> during survey operations. In order to avoid gear conflicts, MA DMF respectively requests that fixed gear be **temporarily removed from the tow locations** during survey times.

May 2018 tow locations adjacent to the Massachusetts coast detailed in maps below



For future month tow locations visit www.mass.gov/marinefisheries and visit the Cod IBS project page.

2018

- GET CONNECTED -



Aquamesh[®] connected panels come as one panel with 2, 3 or 4 individual Aquamesh[®] panels joined together. They are a convenient and economical alternative to purchasing rolls. In addition, connected panels have a lower cost compared to single panels.



	ΗH	H	HH
	ᄇᄇ	#	
	ĦĦ	+	
	╡╞╡		
	\square		

"For the last few months I have been building traps with Aquamesh[®] connected panels. The connected panels were less labor intensive; easy to handle, store and shear, allowing me to construct more traps in less time with no wasted wire."

- Joe Savoie, Owner SS Fish & Sales

Contact us today for a complete list of Aquamesh® connected panel sizes and pricing.



1.800.762.6374 · 1.508.234.8400 · info@riverdale.com · www.riverdale.com

₽

0 2 АΥ Σ



2018



M A Y 2018

18

Tai Chi Can Help the Heart

FOR your HEALTH

For people who have a heart attack, chances are high that if they don't do much to change their lifestyle and health habits, they will have another one possibly even a fatal one—in a few years.

But the dietary and exercise changes that doctors recommend are often too intimidating and frightening for patients. Most heart rehabilitation programs include regular treadmill sessions several times a week at a hospital or heart facility, but nearly two-thirds of heart attack patients don't participate in these programs. For people who are overweight or obese and are not in the habit of exercising, such regimens are off-putting and stressful, since they are afraid that the exercise will trigger another heart attack.

Dr. Elena Salmoriago-Blotcher, assistant professor of medicine and epidemiology at Brown University's Warren Alpert School of Medicine & Public Health, wanted to find an alternative for people like this. In a small new study published in the Journal of the American Heart Association, she and her colleagues found that tai chi might be a useful way to introduce reluctant people to exercise.

In the study, 29 men and women who had recently had a heart attack were randomly assigned to two tai chi groups. One practiced tai chi twice a week for 12 weeks by attending sessions at the hospital, while the other group did it three times a week for 24 weeks. All of the volunteers were also given DVDs to help them continue practicing tai chi at home.

After three months, Salmoriago-Blotcher found that the people in the group doing tai chi more frequently were more physically active than those doing less of the exercise. After six months, the differences were more pronounced. Not only were the people in the more intensive group practicing tai chi more often, but they were also doing more physical activity outside of their sessions, such as riding their bikes and climbing up and down stairs in their homes that they were afraid to use before.

"People like it, and they came," says Salmoriago-Blotcher. "We retained pretty much everybody for the length of the study. And there is a preliminary indication that the longer program may improve physical activity. We changed behavior."



The study, which was funded by the National Center for Complementary and Integrative Health, wasn't designed to see if tai chi could actually replace the traditional exercise programs associated with cardiac rehab, but to see if people who are averse to exercising would accept tai chi as a way to get more physically active. The study didn't include enough people to see if it changed their fitness levels and other measures of metabolic health, for example. But getting previously inactive people to move more is the first hurdle, says Salmoriago-Blotcher.

The results suggest that for people who don't do cardiac rehab, tai chi may be a way to entice them to start exercising in a gentle, less intimidating way. It may also act as a gateway to other types of more traditional and intensive exercise that have been shown to improve fitness and potentially lower risk of having further heart attacks. "Tai chi is an interesting, promising exercise option," says Salmoriago-Blotcher. "I think based on what we found, it's a reasonable and safe step to offer tai chi within cardiac rehab. If someone says they are afraid of exercising, we could ask if they are interested in doing tai chi."Once people start to move more using tai chi, she says, doctors can revisit the possibility of switching them to a more intensive traditional cardiac rehab program.

The benefits of offering tai chi to the people who aren't getting cardiac rehab now could be enormous, since it's a gentle way to become physically active. Unlike other forms of exercise, including working out on a treadmill and even yoga, tai chi is non-striving, says Salmoriago-Blotcher, meaning there is no set goal or pose that needs to be reached: just moving for the sake of moving. By its nature, people who practice tai chi "are not going anywhere, and not wanting to achieve [physical goals]," she says. "We tell people to just do it without thinking about goals. They should just enjoy the movement and the practice."

Tai chi is also customizable. For people who can't arrange transportation to come to regular rehab sessions at a hospital, tai chi can also be easily done at home without equipment, which might also encourage more people to exercise. It can also be adjusted to be more or less strenuous, depending on how it's practiced. Salmoriago-Blotcher is hoping to study tai chi further in heart attack survivors by upping the intensity and seeing, through heart rate monitors, if that actually helps improve their physical fitness. If it does, then tai chi might be on its way to being an alternative to the treadmill as a way to improve heart health.

http://time.com/4977110/tai-chi-heart-attack/



FISHING PARTNERSHIP SUPPORT SERVICES



First Aid/CPR for Commercial Fishermen

Thank you to those who joined us this year for our First Aid/CPR offerings for commercial fishermen across Massachusetts. We hope you found the content relevant and the overall class of interest. Please feel free to send any feedback our way -- we always love to hear from you! Chris Crowther, one of our lead First Aid/CPR instructors, has put together a list of suggested enhancements for the commercial fishermen's first aid kit as listed below:

First Aid Kit Enhancements

Non-latex gloves ·Various size bandages ·Dressings ·Tourniquets
 ·Medical Soap ·Antibiotic Ointment ·Quick Clot ·Low dose Aspirin
 ·Tweezers ·Water gel burn cream and dressings ·Shock Blanket
 · Non adherent burn dressings ·Saline for wound irrigation ·Scissors
 ·Eye Steam ·Chemical cold packs ·Bio hazard bag ·Medical tape
 ·CPR mask ·Benadryl tablets and ointment ·First Aid Guide

Another resource which may be of value to you both on land and sea is the American Red Cross First Aid application. You may download this free app by simply texting "GETFIRST" to 90999.

Please contact your regional navigator should you, your family or crew be interested in attending one of our upcoming classes.

Contact your local Navigator: Lori Caron, Plymouth (781) 635-0011 Morgan Eldredge, Chatham (508) 237-9402 Shannon Eldredge, Chatham (508) 958-6580 Deb Kelsey & Monica DeSousa, New Bedford (508) 991-3043 Nina Groppo, Gloucester (978) 282-4847 Bridget Thornton, Kennebunk, Maine (207) 967-4555 or visit our website at *www.fishingpartnership.org* **Upcoming Programs & Services**

≤

2018

<u>May 2 & 3</u> Safety & Survival Training Drill Conductor Certification Portsmouth, New Hampshire

May 3 & 4

Safety & Survival Training Drill Conductor Certification Gloucester, Massachusetts

<u>May 10 & 11</u>

Safety & Survival Training Drill Conductor Certification Groton, Connecticut

Visit *www.fishingpartnership.org/events* for more information or to register.

Stay tuned for additional trainings, programs and services!

Need help with health insurance? You may still be eligible to enroll. Contact a Fishing Partnership Navigator for assistance with health insurance coverage, understanding your insurance benefits, or finding a doctor.

> In association with Massachusetts Fishermen's Partnership

018

2

АΥ

Σ

 "Specializing in the sale & delivery of LOBSTER BAIT for over 30 years"

 FRESH FROZEN AND SALTED BAIT AVAILABLE

 SKATES ~ HERRING ~POGIES ~ HADDOCK ~ COD FISH POLLOCK ~ FLAT FISH ~ FISH SKINS ~ RED FISH DOG FISH HEADS ~ SALMON

 Image: Contact: 33 Wright St New Bedford, MA 02740



NEW BEDFORD FISHING HERITAGE CENTER PRESENTS A STAGED READING OF

Created from interviews with Cape Cod fishermen and their families, Boundless explores how local fishermen navigate the complexities of today's world. A new play by Alison Weller. Music by Peter Hodgson and Alison Weller.



"Urgent, indigenous art" - LEE ROSCOE, CAPE COD TIMES

PHOTOS: ROBERT TUCKER, FOCALPOINT STUDIO

"This play, this experience, will move you to tears, and yet moments will make you laugh out loud." - AMY TAGLIAFERRI, CAPE COD CHRONICLE



Performance contains some strong language.





Thursday, May 24th 7:00 P.M. PRE-PERFORMANCE RECEPTION **DOORS OPEN AT 6:30** NEW BEDFORD WHALING MUSEUM THEATER **18 JOHNNY CAKE HILL**

5:30 - 6:30 NEW BEDFORD FISHING HERITAGE CENTER **38 BETHEL STREET**

TICKETS \$20 MEMBERS \$25 NON-MEMBERS **On sale at Fishing Heritage Center or at** www.brownpapertickets.com/event/3387681 PROCEEDS BENEFIT THE NEW BEDFORD FISHING HERITAGE CENTER

David E. Pierce, Ph.D. Director

Commonwealth of Massachusetts **Division of Marine Fisheries** 251 Causeway Street, Suite 400 Boston, Massachusetts 02114

(617)626-1520 fax (617)626-1509

EMERGENCY REGULATIONS IMPLEMENTED TO PROTECT RIGHT WHALES

Charles D. Baker

Governor Karvn E. Polito Lieutenant Governor Matthew A. Beaton Secretary **Ronald Amidon**

The Division of Marine Fisheries has enacted two emergency regulations to protect vulnerable aggregations of endangered northern right whales in Cape Cod Bay. These regulations, effective immediately, are designed to reduce the risk of collisions with vessels and entanglements.

MASSACHUSETTS LOBSTERMEN'S ASSOCIATION • WWW.LOBSTERMEN.COM

Extension of Trap Gear Closure

The existing February 1 – April 30 Large Whale Trap Gear Closure is being extended through Sunday, May 6 for a portion of Cape Cod Bay, This extension of the trap gear closure only applies within those waters of Cape Cod Bay south of 42° 08' north latitude and those waters north of

Cape Cod east of 70° 10' (map). The closure extension does not apply to those waters north of Cape Cod on Stellwagen Bank or those waters east of 70° 10' within the Outer Cape Cod Lobster Management Area. Affected lobstermen may begin to set their gear on Monday, May 7 unless this closure is lifted or extended. The duration of this closure extension may be shortened or further prolonged based on the results of continuing aerial surveys.

Vessel Speed Limit

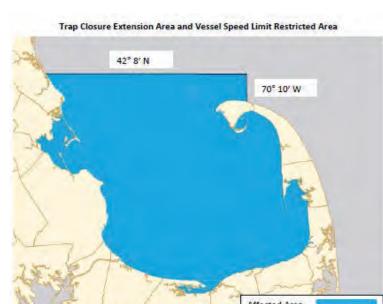
Through May 15, 2018 a 10 knot

vessel speed limit will be in effect Affected Area for those waters of Cape Cod Bay south of 42° 08' north latitude and those waters north of Cape Cod east of 70° 10' (map). Exempt from this rule are emergency and enforcement vessels, as well as those vessels operating within Plymouth Bay shoreward of Gurnet Point and Barnstable and Wellfleet Harbors. This new state rule applies only to vessels less than 65' overall length; vessels greater than 65' length operating in state and adjacent federal waters are already subject to a longstanding seasonal federal 10 knot vessel speed limit. The duration when this speed restriction is in effect may be shortened based on the results of continuing aerial surveys by PCCS.

Right whales are critically endangered species. They seasonally migrate into Massachusetts waters and aggregate in Cape Cod Bay to feed on zooplankton. In recent years more than 50% of the

known right whale population is observed in our waters during late winter/early spring. The most recent aerial survey on April 22, 2018 observed more than 100 right whales within Western Cape Cod Bay, about 25% of the known population. The right whale population has been decreasing since 2010 due to continued mortality and low birth rates. The most persistent sources of humancaused mortality are ship strikes and entanglements with fishing gear.

For more information about the management of protected species in Massachusetts, contact DMF at 617-626-1520 or visit our website at www.mass.gov/marinefisheries.



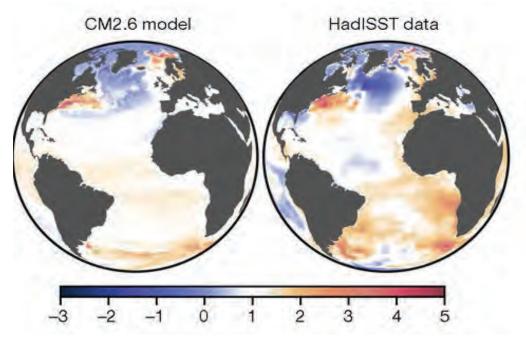


M A Y 2018



Y M W M M N N

Reconstruction of Major North Atlantic Circulation System Shows Weakening



Rising levels of carbon dioxide in the atmosphere have affected one of the global ocean's major circulation systems, slowing the redistribution of heat in the North Atlantic Ocean. The resulting changes have been felt along the Northeast U.S. Shelf and in the Gulf of Maine, which has warmed 99 percent faster than the global ocean over the past ten years, impacting distributions of fish and other species and their prey.

The Atlantic Meridional Overturning Circulation (AMOC) is a large-scale system of ocean currents that circulates warm, salty water from the South Atlantic and tropics via the Gulf Stream to the colder North Atlantic. There, warm salty waters cool, release heat, and eventually sink to the deep ocean and move south. The AMOC plays a key role in the Earth's climate and is a major component of the Global Conveyor Belt.

In a study published online in Nature, researchers from Europe and the U.S. used computer model simulations to reconstruct changes in AMOC over time. Comparisons of these simulations with recent direct ocean measurements suggest the AMOC has slowed down or weakened by about 15 percent since the 1950s.

Measuring the AMOC Slowdown

"Our findings show that in recent years the AMOC appears to have reached a new record low, consistent with the record low annual sea surface temperature in the subpolar North Atlantic since observations began in 1870 and reported by NOAA for 2015," the authors report. "The AMOC decline since the mid-20th century is a feature projected by climate models in response to rising carbon dioxide levels."

The image at left shows the sea surface temperature trends in the North Atlantic using the NOAA

CM2.6 climate model. The image at right shows the observed trends during the period 1870-2016. Regions showing cooling or below-average warming are shown in blue; regions that show above-average warming are shown in red. Image credit: L. Caesar et al. 2018

"We found a characteristic sea surface temperature fingerprint for an AMOC slowdown or weakening in both a high-resolution

global climate model and in temperature trends observed since 1870," said Vincent Saba, a research fishery biologist at NOAA's Northeast Fisheries Science Center and a co-author of the study. Saba works with high-resolution global climate models at NOAA's Geophysical Fluid Dynamics Laboratory at Princeton University. His studies have focused on the impact of changing ocean conditions on fisheries, sea turtles, and other marine life.

"That fingerprint consists of a pattern of cooling in the North Atlantic Ocean's subpolar gyre and a warming in the Gulf Stream region due to reduced northward heat transport and an associated northward shift in the Gulf Stream," Saba said. "In other words, there is warming along the Northeast U.S. Shelf and Gulf Stream region, and at the same time a cooling in the North Atlantic subpolar gyre."

About the Models Used

The researchers used NOAA's CM2.6 global climate model to identify the characteristic sea surface temperature (SST) fingerprint associated with an AMOC weakening in response to rising atmospheric carbon dioxide. The model results were compared to observed SST evolution since the late nineteenth century. The CM2.6 model provides very high resolution, which means the realism of the model is greater than many other models currently in use. For example, the ocean bottom is more accurately represented in the CM2.6 model compared to lower resolution models. MAY 2018

The study authors then used a group of global climate models known as CMIP5 to test and calibrate a revised AMOC index. The reconstruction of the evolution of the AMOC from 1870 to 2016 reveals the record low in the past few years and is consistent with direct measurements since 1995 from a number of AMOC studies using different methods.

NOAA's CM2.6 model is being used for a variety of fisheries studies on the impact of ocean temperatures on lobsters, scallops, various fish species, leatherback sea turtles, and other animals. The model's high spatial resolution enables researchers to look much more closely at ocean features in regions like the Gulf of Maine or along the Northeast U.S. Shelf than other models, which have a lower ocean resolution and can miss the finer details.

Present and Future Impacts of the Slowdown

The rapid ocean warming observed along the Northeast U.S. Shelf may be associated with the Gulf Stream shifting northwards and closer to shore, a consequence of the AMOC slowdown. In NOAA's high-resolution climate model, enhanced warming of ocean bottom temperatures in the Northeast U.S. Shelf and in the Gulf of Maine is a result of both a poleward retreat of the Labrador Current and a northward shift of the Gulf Stream.

Continued warming is likely to further weaken the AMOC in the long term, through changes to the hydrological cycle, sea-ice loss, and accelerated



melting of the Greenland Ice Sheet, all of which are causing the North Atlantic to become fresher and less dense. "If the AMOC continues to weaken," Saba said, "ocean temperature along the Northeast U.S. Shelf is expected to continue its trend of warming faster than the global ocean, which will further impact fisheries and living marine resources in the region."

In addition to NOAA Fisheries, authors of the paper are affiliated with the Potsdam Institute for Climate Impact Research and the Institute of Physics and Astronomy at the University of Potsdam in Potsdam, Germany; the Complutense University of Madrid in Madrid, Spain; the Instituto de Geociencoas, CSIC-UCM in Madrid, Spain; and the National and Kapodistrian University of Athens in Athens, Greece. https://www.fisheries.noaa.gov



NOTICE TO MARINERS AND FISHERMEN

Please call Jim Kendall for the latest information: 508-287-2010

Geotechnical Survey Beginning on or about April 16, 2018 – estimated duration 4 months



AY 2018

Σ

Vessel: M/V Horizon Geobay LOA: 285 feet Flag: Panama Mobile: +44(0)7551328817 Tel VSAT: +85231521336 Tel Inmarsat: +870773236478 Email: master.geobay@horizon-geosciences.com Standing by on VHF Channel 16



Vessel: R/V Dina Polaris LOA: 324 feet Flag: Norway GSM Captain: +47 47970226 V-V-Sat Bridge: +47 51229010 Iri Email: bridge@dinapolaris.mmred.no Standing by on VHF Channel 16

V-Sat Captain: +47 51229011 Iridium: +88 1677744768

Geotechnical surveys will take place in the Vineyard Wind Lease Area and between the Lease Area and Cape Cod, including Muskeget Channel and Nantucket Sound. Please see reverse side for chart of survey area. Please check in with the contact below for the latest information.

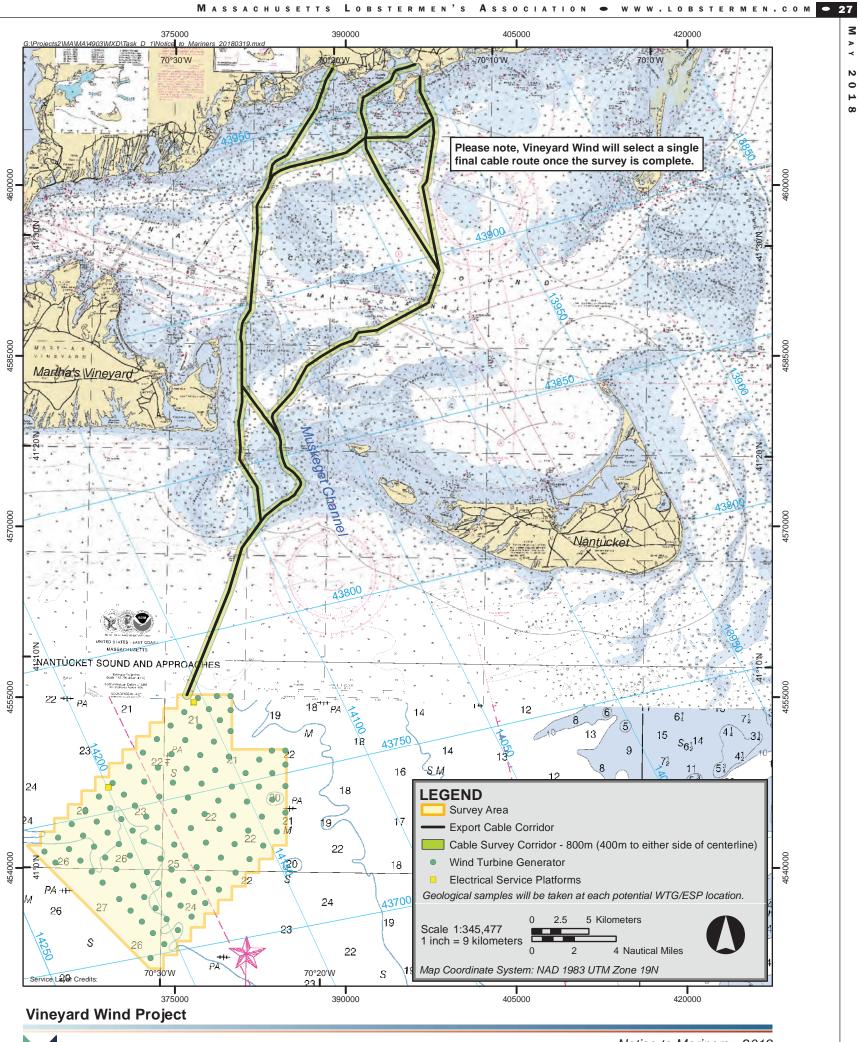
Collecting data and working with the local fisheries, Vineyard Wind is committed to communicating and working with the local fishermen in the region during all stages of development of the proposed offshore wind farm. Information gathered will be used to further design the wind farm and refine the location for the cable route from the wind farm to shore.

In advance of and during survey operations, we seek contact with fishermen who are or may be working in the survey area. Please see reverse side for chart of survey area.

Please contact Jim Kendall, Fishery Representative, for latest information. Cell: 508-287-2010 • Office: 508-997-0013 • Email: nbsc@comcast.net



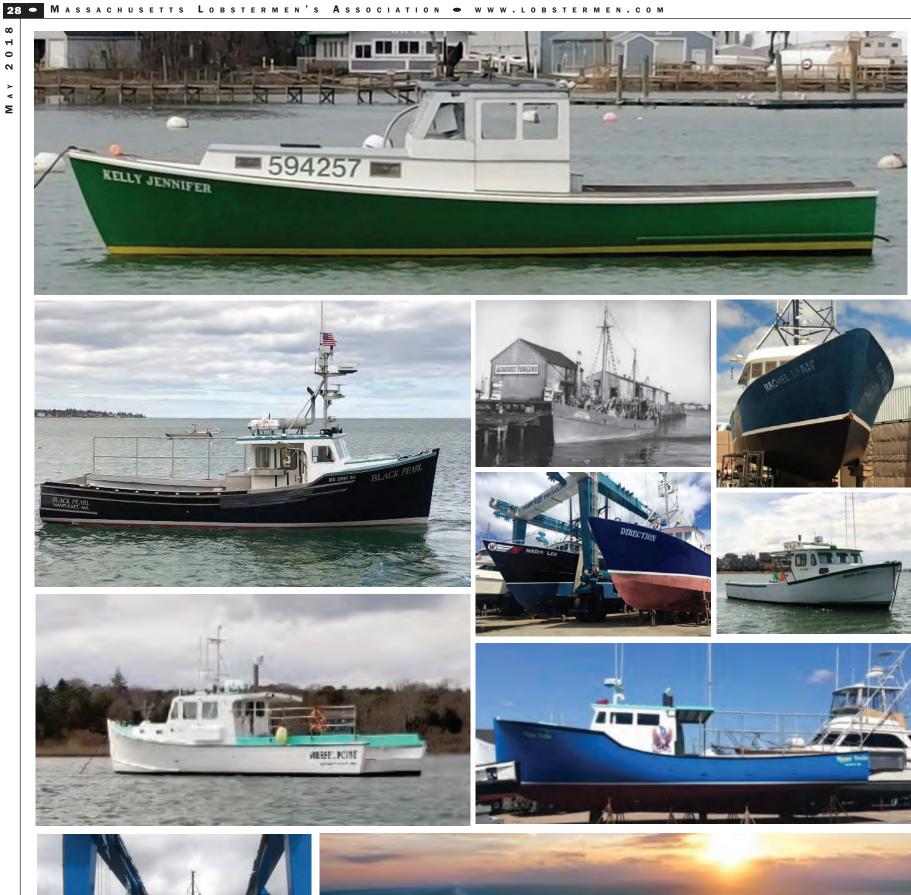
VineyardWind.com • info@vineyardwind.com • @vineyardwindMA • 508-717-8964 700 Pleasant Street, Suite 510 • New Bedford, MA 02740



VINEYARD WIND

Notice to Mariners - 2018

2018 ΑY Σ





With the new day comes new strength and new thoughts.

Eleanor Roosevelt







New England Marine & Industrial www.newenglandmarine.com

Lobster Bands



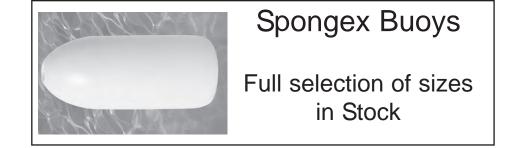
We carry: Printed and Non Printed Sheddar Standard Cold Water Shedder Jumbo

Buy them by the 1 pound bag, by the case or by the pallet. We also offer wholesale and volume discounts. Call and ask to speak to a salesman.



Dayglo & Flexabar Buoy Paint

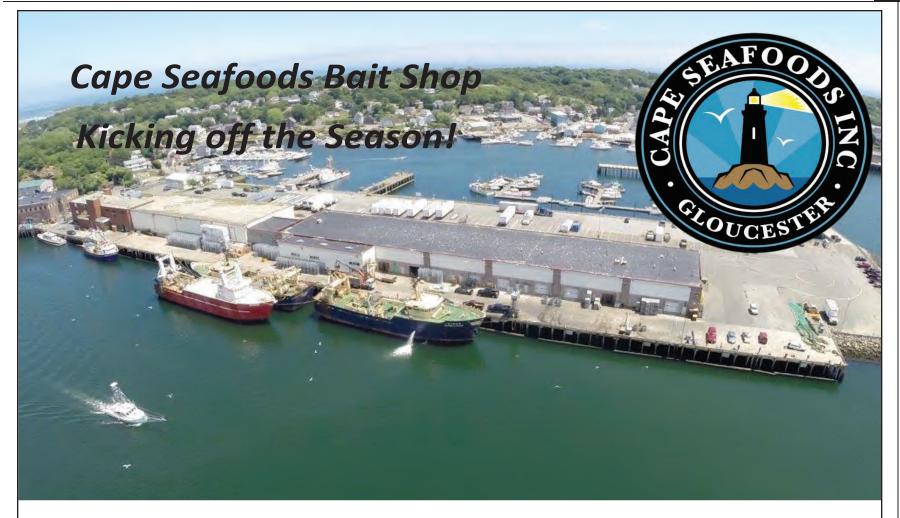
200 Spaulding Tpke Portsmouth, NH 603-436-2836



<u>Worcester Cow Hide Bait</u> We carry Regular and Hairless Bait Call for <u>Special Pricing</u> on both 5 pail purchases and pallet (20 pails) purchases "One week notice needed on pallet purchases"

294 Ocean St Brant Rock, MA 781-834-9301

86 Cemetary Rd Stonington, ME 207-367-2692



THE LARGEST BAIT VARIETY IN THE ATLANTIC NORTH EAST

Operating for 17 years and still going strong!

Trust Us for Your Fresh, Salted & Frozen Bait Needs From (1) Carton to a Full Truck Load.

Herring, Mackerel, Pogies, Redfish, Rockfish, Tuna, Monkfish, Sardines, Plaice, Squid, Sea Robin, Halibut, & Silversides

We've got you covered!

Open 12 Months a Year – (Open 7 Days a Week – From Mid – June To Mid-October) Monday-Friday 5AM-3PM - Saturday 6AM-12PM - Sunday 6AM-10AM



Bait Shop – 978.479.4642

If we don't have it... <u>Ask</u> for it and we'll find it



N

018



New England Fishery Management Council

FOR IMMEDIATE RELEASE April 17, 2018

PRESS CONTACT: Janice Plante (607) 592-4817, jplante@nefmc.org

Council Presents 2018 Award for Excellence to Dr. Bill DuPaul

The New England Fishery Management Council today presented its 2018 Janice M. Plante Award for Excellence to Dr. Bill DuPaul, a highly respected scientist and pioneer of cooperative research in the Atlantic sea scallop fishery. His early work on scallop dredge ring size helped revolutionize the fishery's primary gear-type, leading to enhanced selectivity of large scallops and the release of smaller ones. He forged and nurtured partnerships with fishermen from the very start of his career, earning industry's trust and willingness to participate in a wide range of studies that greatly advanced management of the resource and the fishery.

Council Chairman Dr. John Quinn, who presented the award, said, "Dr. DuPaul is a man of great integrity. He intuitively knew that solutions to hard problems would come only when people on all sides worked

together. He proved that cooperative research can break through seemingly insurmountable barriers and help resolve even the most challenging issues."

Dr. DuPaul is an emeritus professor at the Virginia Institute of Marine Science, College of William & Mary. His research included extensive work on the relationship between scallop meat weight and shell height, and he consistently strove to improve dredge efficiency, enhance scallop quality, and reduce bycatch, especially of yellowtail flounder.

He is a strong supporter of the industry-funded Scallop Research Set-Aside (RSA) Program. He has spent countless hours at sea with fishermen conducting gear research, biological studies, and annual surveys that have helped gauge abundance and distribution of scallops both on Georges Bank and throughout the Mid-Atlantic. The annual surveys also helped document incoming recruitment, enabling fishery managers to identify and close areas with large beds of seed scallops for additional grow-out. This practice is a bedrock of the current rotational area management program and one that Dr. DuPaul was in on from the beginning. He is a staunch advocate of



2018 Award Recipient Dr. Bill DuPaul, left, with New England Council Chairman Dr. John Quinn - NEFMC photo

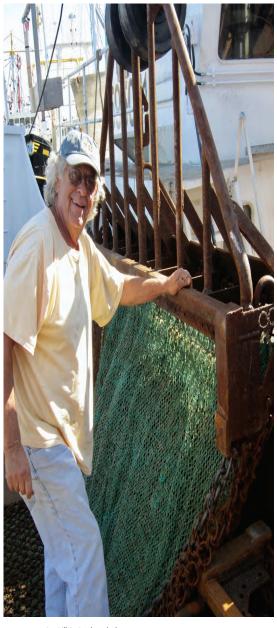


New England Fishery Management Council

Scallop RSA Share Days where industry members and scientists gather to openly discuss their research results and exchange ideas about emerging issues.

In 1991, the New England Council established the Scallop Plan Development Team (PDT). Dr. DuPaul was an inaugural member of the team and to this day continues to provide valuable guidance. He is the PDT's longest serving member. He also has been heavily involved with the Council's Research Steering Committee and, from 2007-2010, served on the former Scallop Survey Advisory Panel.

Dr. DuPaul remains active in the scientific world. He currently is a member of the Scallop Stock Assessment



Dr. Bill DuPaul on deck. - Deirdre Boelke, NEFMC photo

Working Group, which is doing the legwork for the upcoming scallop benchmark stock assessment. As an esteemed veteran of the field. his voice is routinely sought after as wise counsel on a multitude of scallop issues.

Over the years, Dr. DuPaul has trained and mentored dozens of students who now are active contributors to fisheries research and management. Some work on the Council's own staff and serve on the Scallop PDT.

"Throughout his entire career, Bill DuPaul has remained a rigorous and objective scientist." said Chairman Quinn. "He recognized the importance of the scallop fishery and its impacts on businesses and communities throughout our region. He had a knack for breaking down complex problems and offering practical solutions that benefited us all."

In conclusion. Chairman Quinn said, "We appreciate and value his extensive contributions to the Council process. He has lived life large and created a legacy along the way."

New England Fishery Management Council | 50 Water Street, Mill 2 | Newburyport, MA 01950 Phone: (978) 465-0492 | Fax: (978) 465-3116 | www.nefmc.org

New England Fishery Management Council | 50 Water Street, Mill 2 | Newburyport, MA 01950 Phone: (978) 465-0492 | Fax: (978) 465-3116 | www.nefmc.org



New England Fishery Management Council

FOR IMMEDIATE RELEASE April 25, 2018

PRESS CONTACT: Janice Plante (607) 592-4817, jplante@nefmc.org

Council Discusses Offshore Wind, Clam Dredge FW, Skates, Groundfish, Herring, IFM, and More at Mid-April Meeting

The New England Fishery Management Council met April 17-19 in Mystic, CT and discussed a wide range of issues that touched on everything from industry-funded monitoring to whether or not river herring and shad should be considered as stocks in the Atlantic herring fishery. In several cases, the Council directed its species committees to conduct additional analyses for further consideration before taking action.

The Council received an overview of offshore wind energy initiatives in the Atlantic region. The federal Bureau of Ocean Energy Management (BOEM) is collecting public comment on several projects. Since the comment periods end before the Council meets again June 12-14, 2018 in Portland, ME, the Council authorized its Habitat Committee and staff to draft comment letters for the following solicitations:

- Vineyard Wind BOEM has issued a notice of intent to prepare an Environmental Impact Statement;
- New York Bight BOEM has issued a "call for information." The Council's letter, among other things, will include an analysis of fisheries active in the call areas;
- Massachusetts Areas BOEM has issued a proposed sale notice for additional lease areas off Massachusetts. Within its comments, the Council will express its position that, if granted, any lease provisions should require developers to have a Fishery Communication Plan and Fisheries Liaison; and
- Path Forward BOEM is collecting comments on a proposed "path forward for offshore wind leasing." In addition to providing specific suggestions, the Council will request a 90-day extension to the comment deadline, which at present is May 21.



BOEM representatives Brian Hooker, left, Isis Farmer, and Luke Feinberg held an April 17-18 Open House in Mystic, CT in conjunction with the New England Council meeting, which was occurring across the hall. Council meeting attendees had the opportunity to stroll through the Open House, ask questions, and provide comments on proposed offshore wind projects in the Atlantic region. – NEMFC photo



New England Fishery Management Council

The Council also will request an extension to the comment periods for the Vineyard Wind, New York Bight, and Massachusetts lease area notices.

Once finalized, the comment letters for all of these projects will be available on the Council's website at: https://www.nefmc.org/library/nefmc-comments-to-federal-agencies.

Clam Dredge Framework

The Council is working on a Clam Dredge Framework to consider whether to allow continued use of hydraulic clam dredges in the new Great South Channel Habitat Management Area. The area was implemented April 9 as part of the Council's Omnibus Essential Fish Habitat Amendment 2 with a one-year exemption for hydraulic clam dredges in all but the northeast corner. This exemption expires April 9, 2019. The Council directed its Habitat Committee to consider three alternatives among its range of proposals:

 no action, meaning the entire Great South Channel area would be closed to hydraulic dredges, similar to all other mobile bottomtending gear types, after April 9, 2019;

(2) opening all but the northeast corner to continued use of hydraulic dredges; and

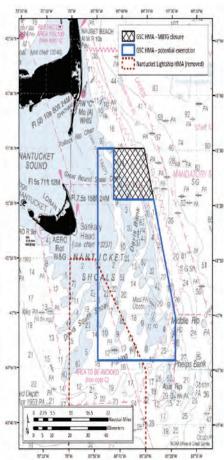
(3) closing three specific sub-areas within the overall area as proposed by Habitat Advisory Panel members.

In addition, the Council directed its Habitat Committee to consider a potential exemption for mussel dredges within the list of measures being developed for the framework. The Council intends to select the full range of alternatives for further analysis at its June meeting.

Skate Wing Fishery

The Council reviewed Framework Adjustment 6 to the Northeast Skate Complex Fishery Management Plan, which is being developed to prolong the length of the skate wing fishery within allowable catch limits.

The Council approved one action for the framework – reducing the "uncertainty buffer" from 25% to 10% – since the fishery recently has not exceeded landing targets.



Great South Channel Habitat Management Area. The Council is considering a long-term exemption for hydraulic dredges in the portion outlined in blue. – NEFMC graphic

New England Fishery Management Council | 50 Water Street, Mill 2 | Newburyport, MA 01950 Phone: (978) 465-0492 | Fax: (978) 465-3116 | www.nefmc.org New England Fishery Management Council | 50 Water Street, Mill 2 | Newburyport, MA 01950 Phone: (978) 465-0492 | Fax: (978) 465-3116 | www.nefmc.org



WE MARK & SWAGE WIRE! Galvanized or Stainless Steel wire, from 1/4" to 1" diameter. We hand and machine (commercial) swage wire and mark wire for fishermen the old fashioned way. JIM-BUOY® Life Rings USCG APPROVED 24" with **Reflective Tape** ^{\$}84⁹⁹

CAL-G24-OT Order# 105283

30" with **Reflective Tape** 99 CAL-G30-OT

Order# 105288

Chinook KickAxe Boots USA 3 This all-season boot has a soft toe and an oil and slip resistant sole. Features a performance cushioning Comfort Zone removable insole, and a durable seamless waterproof construction. Durable C multi-lug outsole. 14" High, Gray/Orange **\$Δ9**⁴⁹ pair

FIGID **High Performance LED Lights** Patented specter and hybrid optics. High purity aluminum housings. Superior light with ultra low power consumption. Starting At \$**113**99 Search# RIL-

Adult Universal PFD-1A Order# 748930

00 ч 0

2

< Σ



SEARSPORT

GME-MT403FF Order# 731678

SOUTHWEST HARBOR

\$**469**99

MAINE

≤

⊳

N

0 1

00



Typographical errors are unintentional and subject to correction.



New England Fishery Management Council

MASSACHUSETTS LOBSTERMEN'S ASSOCIATION • WWW.LOBSTERMEN.COM

Sector Operations Plans

In other groundfish-related business, staff from

the National Marine Fisheries Service (NMFS,

NOAA Fisheries) Greater Atlantic Regional

Fisheries Office (GARFO) consulted with the

Council on a new "lease only" operations plan

submitted by Northeast Fishery Sector IX for

fishing years 2017 and 2018. GARFO's regional

administrator withdrew approval of Sector IX's previous plan on November 20, 2017 due to

violations and overages of sector quota by Carlos

Rafael-affiliated vessels. NMFS also presented

the Council with a proposed amendment to

Northeast Fishery Sector VII's operations plan

and information about numerous sector roster

changes between Sectors VII, VIII, and IX.

In turn, a reduction in the uncertainty buffer will increase the amount of total allowable landings available to both the skate wing and skate bait fisheries. The Council then tasked its Skate Committee with developing additional alternatives to consider seasonal catch triggers and associated possession limit reductions to minimize the likelihood of premature closures. The Council will revisit the framework at its June meeting and potentially take final action.

Northeast Multispecies - Groundfish

The Council received a progress report on Groundfish Monitoring Amendment 23, which is being developed to improve reliability and accountability of catch reporting in the groundfish fishery and to "ensure a precise and accurate representation of catch," including both landings and discards. The Council may approve the range of alternatives for further analysis at its June meeting.

The Council also received a short update on its new Fishery Data for Stock Assessment Working Group, which was formed following the January meeting as a vehicle for discussing how fishery dependent data can be used to "inform stock abundance." The following members were named to serve on the working group, which will meet for the first time on April 26:

- Science/management/academia: Steve Cadrin (chair), Rich Bell, Chad Demarest, Robin Frede, Mark Gibson, Emily Keiley, Brian Linton, JJ Maguire, and Paul Rago
- Industry: Chris Brown and Vito Giacalone



Weighing the catch. – Portland Fish Exchange photo

In response to the consultation, the Council voted 7-5-5 to recommend that NOAA Fisheries:

"Authorize the fishing year 2017 and 2018 Sector IX "lease only" operations plan with the condition that
all overages attributable to the known misreporting are repaid in full"; and



New England Fishery Management Council

 "Following the full repayment of the Sector IX overages, authorize the fishing year 2018 sector subannual catch limit associated with permits now enrolled in Sector VII by working with the sector to ensure that the fishing year 2018 Sector VII operations plan and associated conditions are fully implemented. These vessels (ones with Carlos Rafael ownership interests) will remain inactive except for trading purposes until they are sold."

All documents related to the sector discussion and NOAA Fisheries' consultation with the Council are available at https://www.nefmc.org/library/april-2018-northeast-fishery-sector-nefs-ix.

Atlantic Herring – River Herring/Shad

The Council spent a considerable amount of time discussing whether or not two species of river herring and two species of shad should be included as "stocks" in the Atlantic Herring Fishery Management Plan (FMP). Back in 2015, the Council decided *not* to include them in the FMP but agreed to revisit the issue in three years.

In January, the Council engaged the services of Dr. Erika Zollett and Jill Swasey to revise a white paper called *"Adding River Herring and Shad as Stocks in the Atlantic Herring Fishery: Updated Information and*



Atlantic herring. – Meghan Lapp photo

Discussion of Management and Legal Considerations." The Council was presented with the results of this work during its April meeting and, after asking several questions, decided to task its Herring Committee with thoroughly debating the "stocks in the herring fishery" issue and developing a recommendation for full Council consideration at the June meeting.

The Council also voted to support actions by the Mid-Atlantic Council for 2018 and for the longer term to modify the Atlantic mackerel possession limit to somewhere between 5,000 pounds and 10,000 pounds instead of zero when the domestic annual harvest for mackerel is projected to be harvested. Herring vessels often encounter mackerel, so mackerel-related actions have impacts on the herring fishery. The Council also asked NMFS to clarify the definition of "possess" in the mackerel fishery and remove the reference to "take," which has different implications.

Omnibus Industry-Funded Monitoring Amendment

In a separate action related to the Omnibus Industry-Funded Monitoring (IFM) Amendment, the Council voted to support the use of electronic monitoring (EM), coupled with portside sampling, as an adequate substitute for at-sea monitors aboard Atlantic herring midwater trawl vessels. The Council also supported

New England Fishery Management Council | 50 Water Street, Mill 2 | Newburyport, MA 01950 Phone: (978) 465-0492 | Fax: (978) 465-3116 | www.nefmc.org



New England Fishery Management Council

NMFS's proposal to use exempted fishing permits (EFPs) to initially administer the EM/portside sampling program given that total costs for this type of monitoring coverage will not be reasonably known until the program is fully implemented and operational.

The Council took these steps after receiving NMFS's final report on a project that tested EM on midwater trawl vessels. The study found that the cameras operated successfully on 97% of the footage, and video quality was "excellent" or "good" on 77% of the footage. Only 8% of the footage was rated "poor" due to low light, water drops on lens, snow, glare, or condensation, yet even the "poor" footage still was determined to be sufficient for video review. As such, the Electronic Monitoring Review Panel determined that EM was suitable for detecting discard events in the herring midwater trawl fishery, and NMFS subsequently recommended that the Council approve EM/portside sampling as an option for the herring midwater trawl fishery.

The Council took final action on the Omnibus IFM Amendment in April 2017. The amendment: (1) establishes a streamlined process for developing *future* FMP-specific industry-funded monitoring programs without impacting programs already in place; and (2) contains monitoring measures that apply to Atlantic herring Category A and B vessels. The New England Council's provisions are expected to be implemented this fall. The Mid-Atlantic Council deferred action on the amendment but intends to revisit it later this year.



The New England Council paid tribute to two retiring Council members – Mark Alexander of Connecticut, left, who served on the Council for 10 years, and Mark Gibson of Rhode Island, who served for 14 years. Council Chairman Dr. John Quinn made special note of Alexander's extensive contributions to research steering and ocean planning and Gibson's staunch support of science-based management while considering stakeholder needs. – NEFMC photos



Over the course of its three-day meeting, the Council also received:

- The Council Program Review Panel's recommendations for how the Council can improve its operations next steps will be discussed in June;
- A NMFS presentation on the agency's Draft Procedural Directive for EM cost allocations in fishery programs proposing or using electronic monitoring; and
- Numerous other presentations about, among others: the 2018 Saltwater Recreational Fisheries Summit; the Atlantic Large Whale Take Reduction Team's recent meetings; NMFS's proposals to rebuild North Atlantic shortfin mako sharks; and the status of the Northeast Continental Shelf ecosystem.

All documents and presentations used during the Council's April 17-19, 2018 meeting are available at <u>https://www.nefmc.org/calendar/april-2018-council-meeting</u>.

The Council issued two other news releases from its April meeting – one for Atlantic sea scallops and another to announce the 2018 Award for Excellence presentation to Dr. Bill DuPaul. These are available respectively at:

http://s3.amazonaws.com/nefmc.org/NEFMC-Streamlines-Scallop-Specs-Process-Ranks-Priorities.pdf.
 http://s3.amazonaws.com/nefmc.org/NEFMC-Presents-2018-Award-to-Dr.-Bill-DuPaul.pdf.

New England Fishery Management Council | 50 Water Street, Mill 2 | Newburyport, MA 01950 Phone: (978) 465-0492 | Fax: (978) 465-3116 | www.nefmc.org

Court Battle Continues Over Atlantic Ocean's First-Ever National Monument

Commercial fishing groups are joining in federal court to challenge the creation of the Atlantic Ocean's first-ever marine national monument. But the federal government is now asking for the case to be tossed out.

37 ≤

⊳

N

018

At stake is the future of roughly 5,000 square miles off the coast of Massachusetts, called the Northeast Canyons and Seamounts.

President Barack Obama used the federal Antiquities Act to protect the zone in 2016. His office said it contained critical wildlife habitat.

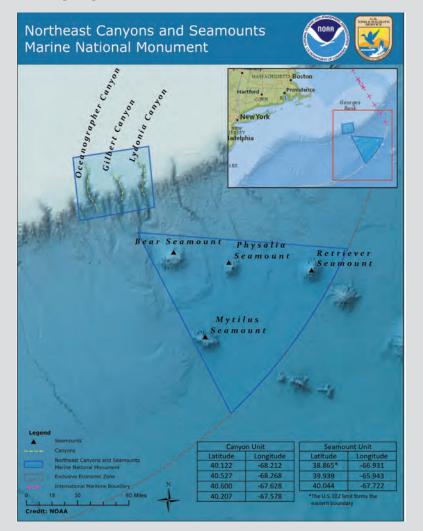
The order stopped commercial fishing there, but did allow red crab and lobster fisheries a seven-year window to close up shop.

Commercial fishing groups from Massachusetts, Long Island, and Rhode Island challenged the decision, and said the order punished fishermen and exceeded presidential authority.

In a filing Monday, the Department of Justice asked the Court to dismiss the lawsuit and said President Obama complied with the authority granted by the Antiquities Act.

But, Secretary of the Interior Ryan Zinke has said the Obama-era decision should be rolled back, to allow for a more local approach to fisheries management.

A lawyer for the plaintiffs says they'll continue to challenge the monument in court. http://nepr.net



MASSACHUSETTS LOBSTERMEN'S ASSOCIATION - WWW.LOBSTERMEN.COM

WASHINGTON, DC 20510

April 25, 2018

RDML Timothy Gallaudet, PhD, USN Ret. Acting Administrator National Oceanic and Atmospheric Association 1401 Constitution Avenue, NW Washington, DC 20230

Dear Assistant Secretary Gallaudet,

We write to request that the National Oceanic and Atmospheric Administration (NOAA) take immediate action to investigate whether Canada's Atlantic fisheries have the same marine mammal conservation standards as U.S. fisheries for reducing impacts to the critically endangered North Atlantic right whale. Fishermen in the United States have made significant sacrifices to reduce deadly interactions with this species, and we need to understand whether Canada's fishermen are being held to a similarly high standard in order to prevent the extinction of this species.

The North Atlantic right whale population is in crisis, and is thought to consist of only about 400-500 individuals, which includes less than 100 breeding females.¹ Alarmingly, there were only five calves sighted last season and none have been sighted this year.² A five-year review completed by NOAA Fisheries in October 2017 indicated that while the right whale population increased overall by 2.8% from 1990-2010, this trend reversed in recent years and the population is now declining.³ Last year was a particularly concerning year for the species, during which at least 17 North Atlantic right whales died prematurely. The significant majority of those dead whales were found in Canadian waters.⁴

The deaths of right whales during their annual migration in U.S. and Canadian waters have been primarily attributed to ship strikes and entanglements with fishing gear. From 2010-2015, fishing gear entanglements accounted for 85% of diagnosed right whale mortalities, and 83% of right whales have been entangled at least once.⁵ Even when right whales do not die as a result of

² David Abel. After year of record deaths, right whales produce no new calves, which could be 'catastrophic.' Boston Globe. (February 26, 2018). https://www.bostonglobe.com/metro/2018/02/25/after-year-record-deaths-rightwhales-produce-new-calves-which-could-catastrophic/wzPwtQSk9iRDII/waFp5nJ/story.html (3/28/2018).

³ NOAA Fisheries. 2017. 5-Year Review: North Atlantic Right Whale (*Eubalaena glacialis*).
 <u>https://www.greateratlantic.fisheries.noaa.gov/protected/final_narw_5-year_review_2017.pdf</u> (3/28/2018).
 ⁴ NOAA Fisheries. 2017-2018 North Atlantic Right Whale Unusual Mortality Event. (2018).

https://www.fisheries.noaa.gov/national/marine-life-distress/2017-2018-north-atlantic-right-whale-unusualmortality-event (3/28/2018).

38 ∞

¹ Richard M. Pace III, Peter J. Corkerton, Scott D. Kraus. *State-space mark-recapture estimates reveal a recent decline in abundance of North Atlantic right whales.* 7:21 Ecology and Evolution 8730-8741. https://onlinelibrary.wiley.com/doi/abs/10.1002/ece3.3406 (3/28/2018).

⁵ Scott D. Kraus, R. D. Kenney, C. A. Mayo, W. A. McLellan, M. J. Moore, and D. P. Nowacek. *Recent scientific publications cast doubt on North Atlantic right whale future*. (2016). 3:137 Frontiers in Marine Science

Assistant Secretary Gallaudet Page 2

entanglement, significant sub-lethal effects, including chronic stress and reproductive failure, can still occur.⁶

The United States has taken these risks seriously and has made progress in efforts to reduce human impacts on right whales. For example, ten years ago, shipping lanes into Boston Harbor were narrowed and shifted away from a right whale feeding area to reduce ship strike mortalities.⁷ U.S. fishermen, in collaboration with scientists and conservation groups, have also taken strides toward reducing right whale entanglements through area closures and gear modifications.

We are proud of the conservation achievements of U.S. fishermen to reduce entanglements. For the past decade, U.S. fishermen have been required to use sinking groundlines, have weak links in buoy lines, mark their gear, use multiple traps per single buoy, and comply with area closures.⁸ The sinking groundline requirement removed approximately 27,000 miles of rope from the water column, reducing the risk of whale entanglements.⁹ Fishermen in the United States continue to be heavily involved in efforts to reduce their impacts on right whales, including the testing of lower-strength lines to allow entangled whales to break free.^{10,11} Further research and testing will need to continue to assess future steps.

But right whales do not only inhabit U.S. waters. Observations of right whales in Canada's Gulf of Saint Lawrence have increased in recent years, where they are vulnerable to entanglement in Canadian fishing gear. In 2017, the Canadian snow crab fishery was responsible for at least seven right whale entanglements, of which at least two died.¹² With the current rate of right whale deaths and lack of reproductive success, scientists have concluded that the species could go extinct in as few as twenty years if immediate action is not taken.¹³

⁷ NOAA Fisheries. Routeing of Ships, Ship Reporting and Related Matters. (2008).

https://www.frontiersin.org/articles/10.3389/fmars.2016.00137/full (3/28/18).

⁶ Scott D. Kraus et al. *Recent scientific publications cast doubt on North Atlantic right whale future.* (2016). 3:137 Frontiers in Marine Science <u>https://www.frontiersin.org/articles/10.3389/fmars.2016.00137/full</u> (3/28/18).

http://www.nmfs.noaa.gov/pr/pdfs/shipstrike/boston_tss_proposal.pdf; (3/28/18).

https://archive.nytimes.com/www.nytimes.com/gwire/2009/05/29/29greenwire-noaa-shifts-mass-shipping-lanes-to-aid-right-w-72911.html

⁸ Taking of Marine Mammals Incidental to Commercial Fishing Operations; Atlantic Large Whale Take Reduction Plan Regulations; Final Rule, 72 Fed. Reg. 57104 (October 5, 2007). *Federal Register: The Daily Journal of the United States*. <u>https://www.greateratlantic.fisheries.noaa.gov/protected/whaletrp/plan/oct5.2007.alwtrp.final.rule.pdf</u> (April 11, 2018).

⁹ Diane L. Borggaard et al. *Managing U.S. Atlantic large whale entanglements: Four guiding principles.* 84:202 Marine Policy.

¹⁰ Doug Fraser. New Fishing Lines Could Help Whales. Cape Cod Times. (June 17, 2016). http://www.capecodtimes.com/news/20160617/new-fishing-lines-could-help-whales (April 11, 2018).

¹¹ Peter O'Dowd. Fishermen Test Weaker Ropes So Whales Can Break Through Them. 90.9 WBUR-FM. (October 7, 2016). <u>http://www.wbur.org/hereandnow/2016/10/07/fishermen-weaker-ropes-whales</u> (April 11, 2018)

¹² P.-Y. Daoust, E.L. Couture, T. Wimmer, L. Bourque. *Incident Report: North Atlantic Right Whale Mortality Event in the Gulf of St. Lawrence, 2017.* (December 5, 2017). Collaborative Report Produced by: Canadian Wildlife Health Cooperative, Marine Animal Response Society, and Fisheries and Oceans Canada. <u>http://www.cwhc-rcsf.ca/right_whales.php</u> (3/28/2018).

¹³ Elizabeth Pennisi. *The North Atlantic right whale faces extinction. Science.* (November 7, 2017). http://www.sciencemag.org/news/2017/11/north-atlantic-right-whale-faces-extinction (3/28/2018).

Assistant Secretary Gallaudet Page 3

Over the past several months, the Canadian Department of Fisheries and Oceans (DFO) has announced steps to reduce entanglements in its commercial fisheries and collisions with commercial vessels. On January 23, 2018, DFO Minister Dominic LeBlanc announced new management measures to reduce entanglements in Quebec commercial fisheries, including reducing the amount of rope in the water, mandatory color-coded marking of rope, and the requirement to report any lost gear.^{14,15,16} On March 28, 2018, LeBlanc announced that the southern Gulf of St. Lawrence snow crab season would be shifted to better avoid when right whales appeared last year, and could be subject to temporary closures should right whales be observed through increased aerial and at-sea surveillance. In addition, mandatory commercial shipping speed restrictions were implemented in the Gulf of St. Lawrence.¹⁷

While we applaud Canada's efforts to address this ongoing crisis, we remain concerned as to whether the measures enacted will sufficiently protect North Atlantic right whales. Specifically, the 2018 closure only applies to the Gulf of St. Lawrence snow crab fishery, and excludes several fisheries mentioned in the NOAA Fisheries List of Foreign Fisheries as having interactions with the North Atlantic right whale and other marine mammals, including certain lobster, whelk, and mackerel fisheries.¹⁸ In addition, Canada's announced efforts to reduce the amount of rope in the water across Quebec commercial fisheries do not include the requirement to use weak links and trawls (multiple traps/pots per vertical line), which are both required in U.S. east coast trap/pot fisheries.¹⁹

Section 101(a)(2) of the Marine Mammal Protection Act (MMPA) requires nations that export fishery products to the U.S. to be held to the same marine mammal protection standards as domestic commercial fisheries.²⁰ In August 2016, NOAA Fisheries issued a final rule implementing these fishery product import provisions and establishing conditions for evaluating the marine mammal conservation standards of foreign fisheries that export fishery products to the United States. While the rule came into effect on January 1, 2017, foreign nations have been granted a five-year exemption period to develop methods to ensure that their commercial fishing practices meet U.S. standards. At the end of the five-year period, each harvesting nation is required to apply for a comparability finding for its fisheries. To obtain a comparability finding,

Σ

¹⁴ Bobbi-Jean MacKinnon. New snow crab fishing rules rein in use of ropes to protect North Atlantic right whales. Canadian Broadcasting Corporation. (January 23, 2018). <u>http://www.cbc.ca/news/canada/new-brunswick/right-whales-gulf-protect-dominic-leblanc-1.4495198</u> (3/28/2018).

¹⁵ Fisheries and Oceans Canada. Announcement of New Management Measures to Minimize the Risk of Interactions with Marine Mammals. (March 15, 2018). <u>https://inter-l01.dfo-mpo.gc.ca/applications/opti-opei/notice-avis-detail-eng.php?pub_id=1491&todo=view&type=1®ion_id=4&sub_type_id=5&species=700&area=1863 (3/28/18).</u>

¹⁶ Fisheries and Oceans Canada. *Fishing Seasons and Gear*. (March 28, 2018). <u>http://www.dfo-mpo.gc.ca/species-especes/mammals-mammiferes/narightwhale-baleinenoirean/seasons-gears/index-eng.html</u> (March 29, 2018).

¹⁷ Bobbi-Jean MacKinnon. Earlier snow crab season, ship speed limits announced to protect North Atlantic right whales. Canadian Broadcasting Corporation. (March 28, 2018). <u>http://www.cbc.ca/news/canada/new-brunswick/north-atlantic-right-whale-1.4596446</u> (3/28/18).

¹⁸ NOAA Fisheries. List of Foreign Fisheries. (2018). <u>https://www.fisheries.noaa.gov/foreign/international-affairs/list-foreign-fisheries</u> (March 28, 2018).

¹⁹ NOAA Fisheries. Atlantic Large Whale Take Reduction Plan: Northeast Trap/Pot Fisheries Requirements and Management Areas. (May 2015).

https://www.greateratlantic.fisheries.noaa.gov/protected/whaletrp/docs/Outreach%20Guides%20Updated%20May% 202015/northeast trap pot may2015 2.pdf (March 28, 2018).

²⁰ NOAA Fisheries. *Marine Mammal Protection Act*. <u>https://www.fisheries.noaa.gov/marine-mammal-protection-act</u> (April 10, 2018).

Assistant Secretary Gallaudet Page 4

foreign nations are required to submit a variety of information to ensure that their conservation standards meet those of the United States, including estimates of marine mammal bycatch, reporting and monitoring requirements, and regulatory programs to reduce bycatch.²¹ In the interim, imports to the United States can continue even if fishing practices are harmful to marine mammals.²²

While Canada has made progress, a formal evaluation will help the United States assess its next steps. Given the urgency of the situation, we urge NOAA to use its statutory authority to immediately investigate whether Canada's fisheries have marine mammal protection standards that are as protective for the right whale as those in the United States. NOAA should determine whether or not these Canadian fisheries have equivalent conservation standards by September 15, 2018. If Canada's conservation standards are found to not be equivalent to those of the United States, then NOAA Fisheries, under the authority of the Marine Mammal Protection Act (MMPA), should consider taking action to prohibit imports of fishery and fishery products from the pertinent Canadian fisheries into the United States.

We will be closely following your progress on this critical matter and look forward to your prompt response.

Sincerely,

Edward J. Marker Cory A. Booker United States Senator United States Senator

Richard Blumenthal

United States Senator

Varren United St tes Senator

Kirsten Gillibrand United States Senator

Jeanne Shaheen United States Senator

Margaret Wood Hassan Inited States Senator

Thomas R. Carper United States Senato

Reed United States Senator

United States Senate

United States Senator

²¹ John Henderschedt, et al. *What is Newly Required to Import Seafood into the U.S.*? (March 2017). <u>http://www.seafoodexpo.com/north-america/wp-content/uploads/sites/3/2017/03/What-is-newly-required-1.pdf</u> (April 11, 2018).

²²Fish and Fish Product Import Provisions of the Marine Mammal Protection Act, 81 Fed. Reg. 54389 (August 15, 2016). *Federal Register: The Daily Journal of the United States*.

https://www.federalregister.gov/documents/2016/08/15/2016-19158/fish-and-fish-product-import-provisions-of-themarine-mammal-protection-act (April 10, 2018).

œ

REPOWER your boat with a new Cummins diesel engine.



QSB6.7 250-480 HP



QSC8.3 500 HP



290-410 HP







610 HP

Contact your local Cummins distributor or dealer for complete program details.

Steve Nadeau - MA, ME, RI and Upstate NY 207-510-2247 | steve.nadeau@cummins.com Will Collins - MA, RI, CT and NY 781-801-1772 | will.collins@cummins.com

NETWORK OF MARINE ENGINE DEALERS THROUGHOUT NEW ENGLAND

Billings Diesel and Marine Stonington, ME (207) 367-2328

Brewers' Plymouth Marine Plymouth, MA (508) 746-4500

Brewer Greenwich Bay Warwick **BI** (401) 884-0544

Bristol Marine Bristol, RI (401) 253-2200

Cape Ann Marine Gloucester, MA (978) 283-2116

Cape Cod Marine, Inc. S. Dennis, MA (508) 432-4241

Casco Bay Diesel Portland, ME (207) 878-9377

Great Island Boat Yard Harpswell, ME 207-729-1639

Great Bay Marine Newington, NH 603-436-5299

Gorham's Diesel Repair, Inc. Braintree, MA (781) 843-0816

Hinckley Yacht Services Portsmouth, RI (401) 683-7100

Hinckley Yacht Services Southwest Harbor, ME (207) 244-5572

Hodgdon Yacht Services Southport, ME (207) 633-2970

Hyannis Marina Hyannis, MA (508) 775-5662

Independent Field Service Dewitt, NY (315) 481-4077

James Rich Boat Yard Southwest Harbor, ME (207) 244-3208

Journey's End Marina Rockland, ME (207) 594-4444

Kennedy Marine Engineering & Fabrication Steuben, ME (207) 546-7139

Kingman Yacht Center Cataumet. MA (508) 563-7136

MacDougall's Cape Cod **Marine Service** Falmouth, MA (508) 548-3146

Merri-Mar Yacht Basin Newburyport, MA (978) 465-3022

Niemiec Marine New Bedford, MA (508) 997-7390

Point Judith Marina Wakefield, RI (401) 789-7189

Port Niantic Inc Niantic (East Lyme), CT (860) 739-2155

Rhode Island Engine Co., Inc. Narragansett, RI (401) 789-1021

Russ Marine Service Peabody, MA (978) 532-3373

salesandservice.cummins.com

M A

N

018

Congress of the United States Washington, DC 20515

April 11, 2018

The Honorable Wilbur Ross Secretary U.S. Department of Commerce 1401 Constitution Avenue, NW Washington, DC 20320

The Honorable Steven T. Mnuchin Secretary U.S. Department of the Treasury 1500 Pennsylvania Avenue, NW Washington DC, 20220

Dear Secretary Ross and Secretary Mnuchin:

We write to urge the U.S. Department of Commerce and the U.S. Department of the Treasury to take immediate action pursuant to Section 101(a)(2) of the Marine Mammal Protection Act (MMPA) of 1972 (16 U.S. Code §1371 (a)(2)) to require Canada to apply for and receive a comparability certificate for their commercial fisheries implicated in the incidental killing of North Atlantic right whales. If Canada cannot secure a comparability finding for those fisheries then the MMPA requires the National Marine Fisheries Service, in cooperation with the Department of Treasury and Department of Commerce, to impose a ban on the importation of commercial fish or products from fish harvested in those fisheries.

There are an estimated 450 North Atlantic right whales remaining in our world's oceans. These whales are long-lived and highly-migratory, with females birthing a single calf once every three to five years. The species is particularly vulnerable to commercial fishing activity and maritime trade. It is estimated that eighty percent of documented North Atlantic right whale deaths have been caused by humans.¹ The combination of physical trauma caused by collisions with vessels and entanglements with commercial fishing gear has been catastrophic for the remaining population of whales. Alarmingly, researchers have found no signs of newborn North Atlantic Right Whales this year, indicating that these interactions with ships and fishing gear are likely affecting the reproductive rates of the only 100 breeding females that remain.²

¹ Cramer, Deborah. "North Atlantic Right Whales Are Near Extinction. We Can Avert It." *The New York Times*, The New York Times, 8 Mar. 2018, <u>www.nytimes.com/2018/03/07/opinion/north-atlantic-right-whales-extinct.html</u>.

² Knowlton, Amy R., et al. "Monitoring North Atlantic Right Whale Eubalaena Glacialis Entanglement Rates: a 30 Yr Retrospective." *Marine Ecology Progress Series*, vol. 466, 15 Oct. 2012, pp. 293–302.

Last August, the National Marine Fisheries Service (NMFS) declared an Unusual Mortality Event (UME) for the North Atlantic right whale. In 2017 alone, seventeen whales were found dead along the Atlantic coast. These mortalities, twelve of which were recorded in the Gulf of St. Lawrence, represent roughly three percent of the total population of the species.³ According to a December 2017 incident report released by the Canadian Wildlife Cooperative and Fisheries and Oceans Canada (DFO), gear entanglements and blunt force trauma were implicated as the leading cause of death, coinciding with high levels of commercial fisheries activity and maritime traffic in the Gulf of St. Lawrence.

Under the MMPA, United States fishermen have faced numerous changes and restrictions to avoid entanglements with whales including significant modifications to their fishing gear, adhering to seasonal, and emergency closures of fishing areas. Additionally, large vessels entering and departing ports along the northeast coast of the United States are required to adhere to speed restrictions to avoid traumatic collisions with these animals. Through the National Oceanic and Atmospheric Administration's (NOAA) establishment of the Atlantic Large Whale Take Reduction Team, the United States has and must continue to pursue meaningful conservation measures to reduce North Atlantic right whale mortalities.

In August 2016, NOAA published the MMPA import provisions rule, which establishes the criteria for evaluating a nation's regulatory program for reducing marine mammal bycatch in foreign fisheries. In order for countries to import fish into the United States, they must demonstrate that they are meeting the equivalent of our standards. On March 16, 2018 NMFS issued the final List of Foreign Fisheries, identifying exempted fisheries (those with no record of interacting with ocean mammals) and those which a comparability finding will be required. The data supplied by Canada indicated that there are thousands of licenses issued in fisheries that interact with the North Atlantic right whale, including 6,200 lobster, over 1,860 snow crab, and 165 whelk licenses. Other fisheries, such as the Newfoundland herring gillnet fishery and the northern cod fishery, could also be impacted.

On March 28, 2018, Canadian Fisheries Minister, Dominic LeBlanc, along with Minister of Transport, Marc Garneau, announced a series of new measures aimed at minimizing gear entanglements and avoiding collisions. These measures include reducing the number of traps and starting and ending the snow crab fishery earlier in one affected fishing area—Area 12 implementing temporary and fixed fishery management closures when right whales are present and requiring seasonal ship speed reductions. Unfortunately, while these measures are beneficial, they do not go far enough to either fully protect the critically endangered whales or be comparable to the restrictions and regulations U.S. fishermen face. For example, the new fishery restrictions only apply to the snow crab fishery, even though other fisheries, like lobster and whelk, have been shown to interact with right whales. Additionally, there are approximately ten snow crab fishing zones where whales are known to have interacted with gear, yet these new restrictions are only applicable to one. Lastly, none of the new measures implement any

³ National Oceanic and Atmospheric Administration. "2017-2018 North Atlantic Right Whale Unusual Mortality Event." *NOAA Fisheries*, <u>www.fisheries.noaa.gov/national/marine-life-distress/2017-2018-north-atlantic-right-whale-unusual-mortality-event</u>.



GRUNDENS WEAREFISHING See What's New: Grundéns.com ₽

0

2

ΑY



0



New England Marine Engineering & Supply, Inc. Marine • Industrial • Commercial • Refrigeration

10 TON ELECTRIC TITANIUM RSW INTEGRATED MARINE SYSTEMS



"New England Marine Engineering & Supply, Inc & Integrated Marine Systems, Inc is proud to announce & debut the new IMS 10 Ton Titanium Electric RSW at the 2018 Seafood Processing North America Show on March 11-13 Booth 1875. Come see us and be the first to view the latest IMS system to be introduced to the industry for the fishing vessels ranging from 40' - 80'. It's going to be the talk of the show."

> 133 North Front Street, New Bedford, MA. 02740 www.nemesinc.com 1.800.540.8893

MASSACHUSETTS LOBSTERMEN'S ASSOCIATION • WWW.LOBSTERMEN.COM 48 Continued from page 44 significant gear modifications, like requiring the use of weak links, which NOAA requires U.S. fishermen to use. Pursuant to the August 2016 final rule, we understand that by January 1, 2022 a harvesting nation must apply for and receive a comparability finding for each of its export and exempt fisheries on the list to continue to export fish and fish products from those fisheries to the United States. However, given that the need to protect North Atlantic right whales is so dire, we believe that NOAA should immediately require Canada to apply for and receive a comparability certificate for their commercial fisheries implicated in the incidental killing of North Atlantic right whales. If Canada cannot secure a comparability finding for those fisheries then a ban on the importation of commercial fish or products from fish harvested in those fisheries should be imposed. We believe immediately requiring Canada to secure a comparability finding or face a ban on the importation of fish and fish products from Canadian fisheries implicated in the killing of North Atlantic right whales is an important step to protect this iconic species. Unless we take drastic action now, the North Atlantic right whale is on a path to extinction within twenty years. Thank you for your attention to this important matter. Sincerely. TH MOULTON OUNG DOI WILLIAM R. KEATIN Member of Congress lember of Congress NIKI TSONGAS Member of Congress Member of Congress Where great fishermen connect with great Chefs! Dole & Bailey is a LOCAL dock-to-table A Chef's purveyor servicing over 2000 Tradition since 1868. restaurants. We offer the freshest fish and shellfish available with complete traceability to the fishermen. ortheast ()ceans

00

0 2

Σ

800.777.2648 Where Great Chefs Go to Find northeastoceans.com Great Local Seafood

Local Seafoods Sustainably Harvested

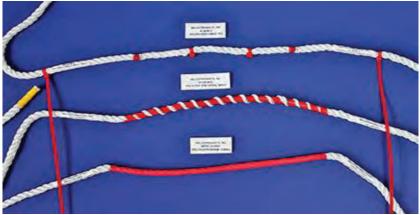


800-346-3526

www.nelcoproducts.com

AY 2018

Products for Marking Buoy Lines



- Heat Shrink Tubing
- Spiral Wrap
- Zip Ties

Easy compliance: NMFS requires three 1-foot red markers on all buoy lines for 1-color system; or two 6" markers for 2-color system (red/yellow, red/white or red/black).

Durable & easy to use materials: <u>Polyolefin heat shrink tubing</u> endures harsh environments such as salt, fungus and extreme temperatures. <u>Zip Ties</u> are weather resistant and offer easy, fast and economical installation. <u>Spiral Wrap</u> is durable and simple to slide onto the rope where marking is required.

Ordering Information:

<u>Heat Shrink Tubing:</u> Part #: NP-221-3/8" and NP-221-1/2" Available colors: red, black, yellow, white, also in brown, orange, green, blue, violet and grey

<u>Spiral Wrap:</u> Part #: HT-3/8-C2 Available colors: RED, YELLOW, BLACK & NATURAL

<u>Weather Resistant Zip Ties:</u> Sizes from 4"-60". Available colors: red, yellow, black, natural, orange green, blue, violet, grey, & fluorescent colors



Nelco Products, Inc. | 22 Riverside Drive | Pembroke, MA 02359

50 • Massachusetts Lobstermen's Association • www.lobstermen.com

AY 2018

Σ

RECIPE of the **MONTH**

Ingredients

8 (22") Spring Roll Wrappers
1 Cup Rice Noodles - cooked*
1 Mango - peeled and cut into matchsticks
1 Avocado - cut into wedges
1 large Carrot - peeled and cut into matchsticks
2 Cups Spring Mix Lettuce – washed
¼ Cup Mint Leaves, packed- roughly chopped
½ Cup Cashews - roughly chopped
2 Lobster Tails – cooked& cut into 4ths, lengthwise

Asian Dipping Sauce: 1 tsp Sweet Chili Sauce

tsp Sweet Chili Sauce
 TBS Soy Sauce
 tsp Mirin
 tsp Ginger - grated
 TBS Sriracha
 tsp Lime Juice
 Sesame Seeds - optional
 Chives - chopped, optional

Instructions

- 1. Prepare the Asian Dipping Sauce: Combine all ingredients (aside from sesame seeds and chives) in a small mixing bowl. Whisk well to mix together.
- 2. Prepare all the ingredients for the spring rolls and line them up on a clean work surface.
- 3. Line a sheet pan or platter with parchment paper. Fill a large, shallow bowl with warm (bath water temperature) water.
- 4. To Fill Spring Rolls: Dip a spring roll wrapper, quickly, into the water. Since the paper is delicate, it only needs a quick, 5-10 second dip. The paper should still be slightly firm. The rice

paper will continue to

soak up the water on its surface as you assemble your ingredients, making it more pliable. Place the dampened spring roll wrapper onto a clean, large cutting board.

- 5. Starting at 1/3 of the rice paper CLOSEST to you, lay down your ingredients, beginning with the spring mix. Layer on the all remaining ingredients aside from the lobster meat.
- 6. To Roll Spring Rolls: Start with the edge of the rice paper closest to you. Gently pull the edge of the wrapper up off your work surface and up/over the filling. Use your fingers to hold the ingredients in place, tucking them into the rice paper.

7. Once you have the spring roll wrapper all the

.

way over the filling, gently roll just so the edge of the wrapper is touching the inside of the wrapper (one rotation/roll).

- 8. Add the lobster meat to the inside of the wrapper, tucking it up against the fold.
- Next, fold in both sides of the wrapper to enclose the filling. Continue to roll the rice paper forward, keeping the ingredients tight inside of the wrapper, until your spring roll is completely wrapped.
- 10. Place the filled spring rolls onto the parchment lined pan/platter, making sure they are spaced apart and not touching (this will prevent them from sticking together and tearing). Cover with plastic wrap as you finish with the rest of the spring rolls. Serve with Asian dipping sauce.

Install A High-Water Alarm

This easy install could save your boat.

Can your boat flood without your noticing until a ton of water is already aboard? If your boat has a closed cabin or enclosed compartments, the answer is likely yes. It's so easy to protect against this risk that it really should be standard equipment on new boats, like the ignition key beep in your car. All you need is an inexpensive float switch, an equally inexpensive 12-volt buzzer or siren, an in-line fuse holder, hookup wire, and crimp connectors. You can purchase marine alarm units with both light and sound alarms. If so, follow the manufacturer's instructions.

Locate the float switch in the lowest part of the boat, but higher than the automatic bilge pump. You only want it to activate if the amount of water coming aboard exceeds the discharge capacity of the pump or if the pump has failed to run. Locate the buzzer or siren near the helm so it can be heard over all other external noise.

Remove the fuse from the fuse holder, then crimp an appropriate terminal to one of its leads and connect that to the positive battery terminal or to some other 12-volt terminal that's always energized. The fuse is there to eliminate any fire risk that can occur with a short circuit and should be as near the power source as possible.

With the fuse still removed, use a crimp butt-splice connector to connect the other holder lead to the hookup wire. Route the wire to the mounted float switch, cut it

FOR YOUR SAFETY

to length, and connect it to one of the switch leads with a butt-splice connector. With a similar length of wire and two connectors, connect the other switch lead to one of the leads from your buzzer. The other buzzer lead gets connected to a battery ground terminal.

Reinstall the fuse and test your circuit by manually lifting the float switch. Secure the switch connections higher than the switch so they'll remain dry in the event of rising water activating the float switch.

Also use heat-shrink connectors and cover with silicone marine sealant. Because the float switch remains dry unless water rises above expected levels, this alarm should prove 100-percent reliable without attention, but it's still a good practice to test it periodically by lifting the float.

Float switch Float switch





Boston is actually named after a town in England.

Many of Boston's early settlers were from Boston, England, and decided to keep the name.

The first American lighthouse was built in Boston Harbor in 1716.

Little Brewster Island is where the first lighthouse was ever built in what is now the United States.

Boston is home to the oldest public park in the U.S.

Boston Common is stretch of green sanctuary within the city of Boston dates back to 1634. It's the oldest public park in the United States and continues to welcome residents and tourists alike.

The Fig Newton is named after a Boston suburb.

A favorite American sweet snack for decades, the Fig Newton is actually named after the Boston suburb of Newton, Massachusetts.

The Red Sox have a patent on a color.

Fenway Park is another American icon found in Boston. Its Green Monster is so renowned, The Red Sox have actually patented the shade "Fenway Green."

Boston was home to the first U.S. chocolate factory.

The very first chocolate factory in the United States was built in the Lower Mills section in the Dorchester neighborhood of Boston.

In turn-of-the-century Boston, you didn't need to take a test to receive a driver's license.

Massachusetts started issuing driver's licenses and registration plates in 1903, but didn't make people take a driving test beforehand. In 1920, Boston began requiring a driving test before issuing someone a license.

The first U.S. subway was built in Boston.

Boston built America's first subway, the Tremont Street Subway, back in 1897

The Boston University Bridge is the location of a globally-unique phenomenon.

The Boston University Bridge's claim to fame is that it's the only place anywhere in the world where a boat can sail under a train going under a vehicle driving under an airplane.

You can drive 90 feet below the earth's surface in Boston.

Boston's Ted Williams Tunnel is the deepest in North America, running nearly 90 feet underneath the earth's surface.

NANCI JAYE MOSAIC ART Handcrafted mosaic lobsters, fish, mermaids, sharks and crabs. Order now in time for Father's Day 6/17/18



Artwork can be hung indoors or out. Customs orders are welcome.

Mermaid 10"x 25" \$295.00	Lobster 11"x19" \$265.00
12"x32" \$395.00	14"x23" \$365.00
Minnow 7"x10" \$105.00	Blue Fish 9"x27" \$295.00
9"x16" \$165.00	14"x42" \$675.00
Shark 14"x32" \$575.00	

Visit www.nancijaye.com to view all artwork

Contact Nanci 781-925-2929

nancijaye@gmail.com

MLA CLASSIFIEDS

MASSACHUSETTS LOBSTERMEN'S ASSOCIATION • WWW.LOBSTERMEN.COM

PLEASE CHECK YOUR AD TO MAKE SURE IT IS CURRENT Send ads to tracey.abboud@lobstermen.com

Classified ads are a free benefit to MLA Members and Non-members are a flat \$25.00

*All ads are subject to review prior to placement

AD #1 (12/17) FOR SALE –Rapp Hydema HMN 03 w/ 3 spare motors spare hydro-hoses 2 sets of spare rollers \$5,500. OBRO 2006 Four man Elliot Life Raft last repacked in 2015 \$500. OBO 1 ACR Eperb still compliant \$200. Call Aaron at 401-218-5764 or e-mail nbf05@verizon.net

AD#2 (4/18) FOR SALE – Detroit 671 Engine with transmission 2:1 gear Runs great, pulled out of boat to install bigger motor New: heat exchanger, 4 valve cylinder head, Jabsco raw water pump & coolant pump Comes with pto \$5,000. Call Randy at 781-961-1300

AD#3 (4/18) If you want to get started right away...This is the boat for you!

1989 24' Novi, solid glass, 10' Beam. Repowered in 2015 with a 4-stroke Suzuki 150 outboard. Motor has around 380 hours on it currently. New steering and controls as well. Garmin 10" GPS/Sounder/Chart plotter w/18" XHD Garmin radar unit. Rebuilt wheelhouse w/ all new windows. Electra Dyne hauler with a new motor as well replaced in 2015. Repainted hull and new fuel tanks. Added mast w/two VHF radios that drops down easily to trailer. Also comes w/1999 Load Rite trailer. \$36,000. Please call 617-961-1300 or email: andtrkinc@ verizon.net.

AD#4 (2/18) FOR SALE – PROPELLER REPAIR BUSINESS: Turn key operation serving SE New England since 1998. Prime commercial accounts. 1,700 customer list. No experience necessary, original owner/operator will train. Welding experience a plus. Mike McMillin at 401-848-7877 oceanprops@gmail.com. Wicked good website: www. oceanpropsri.com, included in sale.

AD#5 (12/17) FOR SALE – Used equipment: Rapp Hydema HMN 03 Lifter(like new), SS setting bar 6'X6'X2.5", solid fiberglass net box or wash tub 6'wx42"dx32"h, 24+ orange floats, 2 lg grey vats w/covers, \$4,500 or BR0. (3) Pieces of flexible rubber exhaust hose B0, 9'8"x2" like new SS shaft with taper and keyways \$500. 774 264 0140

AD #6 (12/17) SERVICE – Diesel fuel cleaned – mooring diving – propeller repair – will travel call Fran 781-545-4154

AD#7 (11/17) FOR SALE- Marco B29 menhaden power block sheave with bolt on cleats ready to use \$10,000.00 OBO Call 508-272-8431

AD#8 (12/17) FOR SALE –4 Bladed inch and a 1/2 Shaft 22×22 propeller (Excellent Condition) Call Dave at 978-283-0944

AD#9 (4/18) FOR SALE- 1985 24 privateer for sale, with a 12"pothauler. It has a 383 mercruiser engine with a bravo drive. Lawrence gps, and icom vhf radio. Call Bill @ 617-688-7026

AD# 10 (12/17) FOR SALE- 2001 Kawasaki Voyager Full dresser less than 8,000. miles \$2,500.00 781-724-4960

AD# 11 (3/18) FOR SALE–Hydraulic Components, parts and service. Pumps, Motors, Valves and Accessories. Hydraulic Hoses made while you wait. Great Prices – Same day service (in many cases)- Wide selection of in-stock items. Rebuilt items are occasionally available. Call ROSE MARINE, Gloucester, MA 877-283-3334

AD# 12 (12/17) WANTED-Looking to purchase a coastal access permit 978-530-8686

AD# 13 (4/18) FOR SALE- 1989 26×11 Novi Lobster/Tuna Boat Block up rebuilt Leahman 120 W/48 hours. rebuilt reverse gear/rebuilt helm pump,rebuilt steering ram, new rails, stainless gin pole, hydraulic hauler,color plotter, color bottom machine, radar, radio, LED light bar forward 2 floodzillas aft, eperb,life ring, 3 survival suits, Flare kit, Dockside inspection-September, fuel burn 1.5 gal., per hour, 8 knots cruise, 10 knots in corner. Must sell due to health issues. Located in Gloucester- \$26,950.00 OBRO Call Don @ 207-752-4000





Encore Hartco Tools & Clips Stanley Spenax Tools & C-Rings Wematic Tools & D-Rings Simonds Pneumatic Wire Cutters Spotnail Staplers & Staples

Complete Parts Inventory Tool Repair Service



(781) 826-2522 Fax (781) 826 5252 www.fisherairfasteners.com chris@fisherairfasteners.com

ΜΑΥ

52 ∞

AD# 14 (4/18)FOR SALE- 1999 25 ft fiber glass lobster boat can easily be converted into a pleasure boat w/ two bunks. Built in Nova Scotia-Alward Hull 4 cylinder diesel, brand new engine, very low hours, excellent on fuel. Asking 22,500 OBRO Home 978-559-7849 Cell (text/call) 978-525-8496

AD# 15 (2/18) FOR SALE- 26 traps -36×22 1/2- 10 gauge, hoop ends. 22 traps 39×22 1/2 12 gauge shrimp mesh, hoop ends. \$25 Call Mark 978-408-9329

AD# 16 (12/17) FOR SALE-Area 2 Coastal Mass lobster permit, asking 12,000 & scup permit 10,000 will consider trap tags for the right price. 508-207-7805

AD# 17 (12/17) WANTED to buy lobster crates and fish totes call David 508-558-6861

AD# 18 (3/18)-WANTED Area 2 trap tags w/State/EEZ zone looking for 50 to 100 tags. Paying \$150.00 per tag. 508 542 5729

AD# 19 (02/18) FOR SALE- Used Friendship traps, yellow, all 10 gauge, shrimp mesh, plastic runners \$30.00 each-rope available 7/16 Everson Call 617-529-7001

AD# 20 (3/18) FOR SALE- 20' Mitchell Cove, 2016 115hp Yamaha 4 stroke outboard 500hrs, electradyne pot hauler, stainless davit, trawl chute, battery charger/maintainer, VHF, Lowrance depth finder standard horizon chart plotter, easyloader tandem axle trailer with power winch \$32,000.00 Call 617-710-0889

AD# 21 (12/17) FOR SALE – 800 Artic cat snow mobile 650 with a trailer 5,000.00 $781\mathchar`-724\mathchar`-4960$

AD# 22 (12/17) WANTED - AREA 2 TRAP TAGS - Call- 508-274-7096

AD# 23 (12/17) FOR SALE- Federal Permit w/ history -Call Edward -857-222-5231

AD# 25 (12/17) FOR SALE-32 "Lobster Boat -Fiberglass Maine lobster or tuna boat Holland 1984. 454 gasoline engine 3 years old, 12" pot hauler. Currently used for lobster fishing everyday. New boat coming, must sell. 28,000.00 Call 978-884-2988

AD#26 (12/17) FOR SALE- Lee- extra strong outriggers 22 ft long Ideal for a lobster boat \$450.00 508-813-8921

AD#27 (12/17) FOR SALE- 1968 34 ft., Webers Cove fiberglass hull 1995 Volvo Penta 230 H.P. inboard diesel restored in 2015 very clean, brand new- Simrad NSS8 4-G radar, set up for lobstering custom davit \$29,000.00 OBO 508-228-1243

AD#28 (12/17) FOR SALE- BUNGEE CORD ON SPOOLS. Made in New England area. Call Jonathon "Mr. Bungee" 401-447-7973 or Jon@marineropeinternational.com 5/16" x 300'ft \$35.00/spool 5/16"x 500'ft \$50.00 spool All sizes, colors to choose from. Located in Cranston, RI

AD#29 (12/17) Looking to buy ASAP– Black Sea Bass and or Scup potting permit for MA waters. Interested in buying both or just one, with /without boat and or gear. Any leads would be appreciated (617) 943-1411.

AD#31 (12/17) FOR SALE- 100- 4 ft lobster traps 2 years old Call Diamond Jim @ 978-994-5506

AD#32 (12/17) FOR SALE- Pot Hauler electric dyne extra duty gear 10 inch stainless steel sheaves custom made A frame aluminum diver control and gauge electric wire \$1,600.00 505-813-8921

AD#33 (12/17) FOR SALE -gill net flaker 5,000. obo 781-724-4960

AD#34 (12/17) Wanted-Area 3 federal permit, any allocation, ready to buy, call or text 207-841-2399 (leave msg) Joe

AD#35 (12/17)-FOR SALE- Spencer Carter Gill-Net Hauler Not Much use \$10,000. 781-724-4960

AD#36 (12/17) FOR SALE 1989 42 ft Provencal 370 H.P. C7 Caterpillar low hours 507 twin disc gear new engine was installed and maintained by WindWard Power. 2 Furano gp 32 gps standard VHS, Sitex color machine, Humming bird depth finder. CRC 406 E-PRB Asking \$80,000 Call before 7 p.m. Bill 508-693-0310

AD#37 (12/17) FOR SALE- 55 Bruno 3406 power 514 gear twin disc 12.5 Isuzu generator aluminum fuel tanks -has winter house extension/set for gill-netting w/mask & boom \$120,000 781-724-4960

AD#38 (12/17) FOR SALE - 46' NOVI NO-MOTOR NEW FUEL TANKS \$30,000 781-724-4960

AD#39 (12/17) FOR SALE – 6' Scallop frame, heavy duty and in new condition asking \$1500 OBO Herb 978-559-7849 (home) 978-525-8496 (cell)

AD#40 (3/18) FOR SALE– Used conch pots sale. 100 conch pots The traps are in good condition. 80' rope – cement ballast – and have the bag on the end. Can be used for trawls or singles. \$15.00 apiece. Call Jon @ 508-775-9162

AD#41 (12/17) FOR SALE- 6 H.P. horizontal shaft engine with a steel sleeve. 1992 Tecumseh, USA made, pristine, never out of box-never started. Good for hauling rigs, log splitters, pumps etc. \$290.00 Call 508-269-1406

AD#42 (2/18) FOR SALE- Approx., 100 good used totes \$4.00 a piece-New 1 -1/2 inch x 10 feet prop shaft AQ22 \$400.00- New 3&4 blade wheels 24-25 inch \$500.00 each. Large insulated fish tubs/boxes BONAR, SEA PLAST \$200 each, Grunden jackets \$20.00 each Contact Ed @ 508-880-3600 or e-mail edmonds@att.net

AD#43 Diving Services–I'm a certified diver that has been working on and under the water my whole life (30years). No job to big or too small I do it all. Hull/Bottom: cleaning/ scrapping, repairs, inspections. Prop/Rudder: replacement, de-tanglement, debris removal, repairs, inspection. Keel: repairs, inspections, cleaning. Also any mooring repairs, removal, inspections. I have two small work boats, one trailer and a inflatable, so I can get anywhere and get the job done. Willing to travel anywhere on the New England coast. Call Now and save money on hauling out. FREE estimates!!!! Text or call Bucky (339) 205-6633

AD#44 (12/17) FOR SALE- 80 traps-36×22 shrimp mesh heads w/rope. Ready to go. \$20.00 120 used 3 ft., Pono's with rope \$30.00 each Call Matt 339-613-7122

AD#45 (11/17) FOR SALE-turn key fishing daily 35' Novi 3208 cat. 506 gear low hours on engine simara auto pilot, furuno radar, north star plotter, furuno sounder, split pilot house,14 in hauler, state commercial lobster lin.400 3ft lobster traps-\$68000 call- 978 283 7252

AD#46 (12/17) FOR SALE – Complete turn key business-36 ft Stanley built lobster boat-built in 1981- Last survey 2013, 2 chart plotters, 3 survival suits, radar, 2 VHF radios, Cummins 220 HP has 3500 hours, locator Beacon, 500 lobster pots and 70 buoys with all end lines, Boat and gear well maintained Area 1 state lobster permit, Area 1 federal permit- Package deal only- Asking \$111,500 OB0 Boat is located in Scituate Mass Call between 4-6 pm 781-710-2918 AD#47 (4/18) FOR SALE- 30" Crosley net lifter & set bar \$3500. OBO Call 941-779-5207

MLA CLASSIFIEDS

AD#48 (2/18) FOR SALE- \$.30 per pound Window Weights Minimum 1000 pds Call 508-813-8921

AD#49 (1/18) FOR SALE-100 white 4' lobster traps, brand new / never been fished. Built in 2017, asking the price I paid \$8450 or B0. 50-48x22x15 double hooped shrimp mesh blue. 50-48x21x13 shrimp mesh blue. Included-3 trawls worth of 7/16 Everson spliced gangens, 19 fathom between each. John 617-212-3360

AD#50 (1/18) Scallop Quota for lease- e-mail @ hiflyer2@ verizon.net

AD#51 (1/18) FOR SALE-Custom 25 Fib Fab (1990) WILLPOWER Mercruiser Seacore MAG 496 Dual Nav Stations Power Pot Puller \$23,900 508-255-0777 ask for Clark clark@ nausetmarine.com

AD#52 (1/18) FOR SALE- Attention C-Trap Customers– Custom cut, wood or wire Conch pots, wooden lobster trap kits. New trap designs available, tappered wood conch pot and wire hybrid. Matt 508 758 2740 face book @ctrap16

AD#53 (3/18) FOR SALE-750 4ft. traps including rope and buoys available for sale. Most of gear less than 4 years old. 100 brand new traps. Starting at \$40/trap. Call or email John -jholler1234@hotmail.com 617-212-3360

AD#54 (2/18) FOR SALE-200 36x15x22.5 black and green mix Pono traps. 3 brick, shrimp green heads some have parlor gates. \$20 also 50-100 4' mixed gear mostly concrete runners \$20 ... buy 100 and pick free from 50 or so that need patching or a runner-774-216-1500

AD#55 (2/18) WANTED helper / sternman- F/ V Walter Marie Nahant Experience is preferred. Joel 781 581-0324 joel.w.marie@gmail.com

AD#56 (3/18) FOR SALE- 1000- 12/0 circle hooks on 1/4 inch parachute cord 4 tubs new, never fished w/8 trawl anchors w/ lines. New in package 2 Rule-Mate 1100-A auto bilge pumps \$50.00 – Old style pass-load 1/2 inch staple gun, rebuilt condition. Stanley "Boss" twin tank oil-less compressor, needs work. Used hi-flyers & other misc; fishing gear. Evenings only- Bryan @ 508-627-4569

AD#57 (3/18) FOR SALE- 1987 42' PEI F/G Lobster Boat 375 Cat Diesel 14" hauler mass lobster license LMA-1 500 traps, rope, brake, clip gun etc. \$85,000 Call 617-875-7664 ⋝

MLA's 2017 Lobster Day at the State House Event

The MLA will be holding its annual "Lobster Day" at the State House. The date will be posted on the website calendar asap. The event will be held at Grand Staircase hall between 11:00am and 2:00pm. Members are encouraged to attend and talk their state



legislators on issues that are important to the Massachusetts lobster industry. The MLA will have a list of where to find your district legislators. The Association will have its booth with all types of free lobster handouts and the Silent Chef will be serving up free lobster bisque samples. Also participating at the event will be the MA Seafood Marketing program and the New England Aquarium with their multi colored live lobster display and seafood marketing items. There will also be a free raffle for 5lbs of live lobsters generously donated by our various MLA dealers and fishermen. The purpose of this event is to let legislators know how important the lobster industry is to the economy and communities here in the Commonwealth. For more information please call the MLA office at 781-545-6984 and speak to Tracey Abboud.

Massachusetts green lobster bands are here

Massachusetts

As part of the MLA promotional efforts the MLA again has available the whale safe Massachusetts "GREEN" lobster bands for \$50 per case. The MLA supports this on going promotion to truly identify a "locally" harvested lobster. Call 781-545-6984 before coming to ensure they have arrived. All bands must be picked up at the MLA 8 Otis Place, Scituate, MA 02066

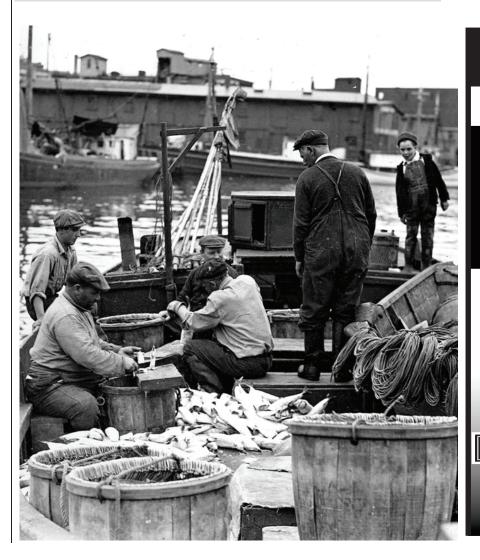
"Summertime Sweetness"

The MLA as part of its' ongoing promotional efforts has available for distribution these double sided rack cards explaining all about new shell lobsters. We will be distributing these at local fish markets and at various events we will be attending this summer.

Educating the consumer on how limited and local a product these are will in turn take them out of the processors hair! If you are interested in receiving some of these to distribute from your roadside stand, seafood counter, truck or boat please call the MLA office and ask for Tracey 781-545-6984.

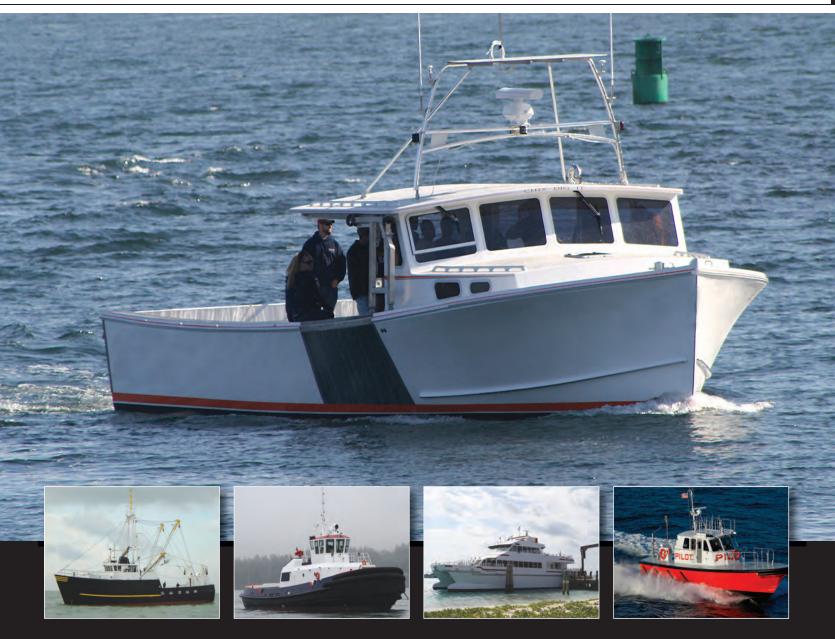
to





SAME DAY SERVICE AND TECHNICAL SUPP "THINKING OF BUILDING A NEW BOAT?" LET US QUOTE YOU ON A POWER STEERING OR A POT HAULER HAULERS AVAILABLE 8" TO 17" • ALUMINUM BACKPLATE • POLISHED STAINLESS BACKPLATE ALL STAINLESS HARDWARE POWER STEERING AVAILABLE IN 5 CLASSES • UP TO 120 FEET • STAINLESS QUADRANT ASSEMBLIES • STAINLESS HELMS 16" SPOKED WHEEL DUAL RAM BRONZE
 CHROME QUADRANT ASSEMBLY HIGH EFFICIENCY VANE ELECTRIC CLUTCHES PUMP \$544.70 100% Stainless Steel construction · Rudder side thrust eliminated · no stress on boat timbers 5.5 HP HONDA POWER UNIT **OUR NEW GENERATION SUPER BLOCKS** 11GPM @ 1500 PSI 2 Stage Pump 4" Low LIP and HI LIP 5" Low LIP and HI LIP Light, Versatile and Portable
 This unit will power 10"
 and 12" and 14" Haulers 2000 lb. Capacity Sealed tapered oller bearings
Aluminum Sheaves
Stainless Sheaves Ideal for outboards and other small boats Log Splitter WORLD'S LARGEST POT HAULER MFG. FOR OVER 40 YEARS

Call John for more information 1-800-747-7550 • Or visit us on the internet: http://www.midcoast.com/~marinhyd/ MARINE HYDRAULIC ENGINEERING 17 Gordon Drive • Rockland, Maine • Fax: 207-594-9721 Email: marinhyd@midcoast.com



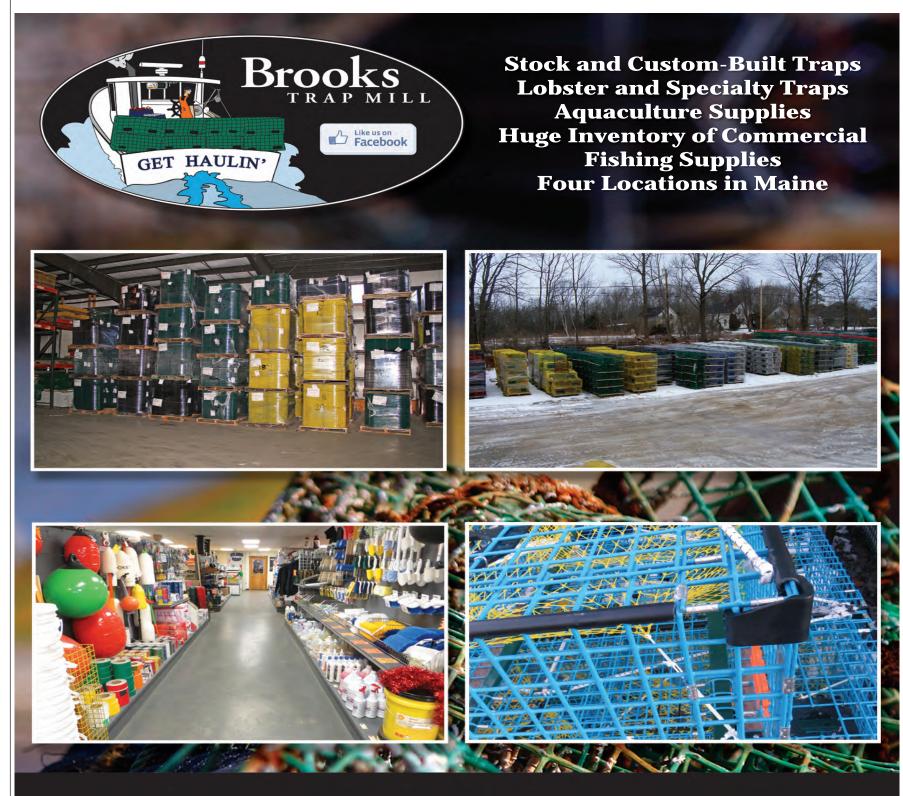
WHEN YOUR ENGINE MEANS BUSINESS, MILTON CAT MEANS MORE.

Milton CAT is the Northeast and upstate New York Caterpillar dealer. Our complete range of marine power systems solutions is backed by a team with exceptional knowledge and experience.

- More engine choices.
- More fully equipped and staffed locations.
- More support for your commercial fishing vessel, ferry, tug, or pleasure craft.
- More ordering and delivery options for unparalleled part availability.

Contacts: (in ME, NH, VT) Stewart Tuttle, 207-885-8082, Stewart_Tuttle@miltoncat.com (in MA, RI) Kevin Hampson, 508-634-5503, Kevin_Hampson@miltoncat.com





BROOKSTRAPMILL.COM (800) 426-4526