



Research Application Form

If you have questions, please call 978-281-9315 or email us at nmfs.gar.researchpermit@noaa.gov.

Fields marked with a red asterisk (\*) need to be filled in before submitting your application.

Section 1 - Contact Information

Principal Investigator:

Last Name: * Reichle		Institution: * President, Lund's Fisheries, Inc.	
First Name: * Wayne		Address Line 1: * 997 Ocean Drive	
Middle Name:	Suffix:	Address Line 2:	
Telephone Number: * (609) 884-7600		City: * Cape May	State: * New Jersey
Email Address: * wreichle@lundsfish.com		Zip Code + 4: * 08204	

Project Coordinator, Primary Point of Contact (if different from PI):

Last Name: Kaelin		Institution: Director of Sustainability and Government Relations, Lund's Fisheries, Inc.	
First Name: Jeff		Address Line 1: Same as above	
Middle Name:	Suffix:	Address Line 2:	
Telephone Number: (207) 266-0440		City:	State:
Email Address: jkaelin@lundsfish.com		Zip Code + 4:	

## Other Collaborators (Co-PIs):

Last Name: Bochenek		Institution: Director Fisheries Cooperative Center, Institute of Marine and Coastal Sciences, Rutgers University	
First Name: Eleanor		Address Line 1: 1636 Delaware Avenue	
Middle Name:	Suffix:	Address Line 2:	
Telephone Number: (609) 425-0686		City: Cape May	State: New Jersey
Email Address: eboch@hsrl.rutgers.edu		Zip Code + 4: 08204	

## Section 2 - Permit Type:

Permit Type: \*

- Exempted Fishing Permit (EFP)

Is this a request to extend or modify a current permit? \*

- No

If 'Yes', please indicate the research permit number: \*

Is this application for an RSA Compensation Fishing Permit? \*

- No

## Section 3 - Project Information

Project Title: * Atlantic Thread Herring Exempted Fisheries Permit Application	
Funding Source: Self funding by fishery participants	
Project or Grant Number:	
Project Start Date: * 05/02/2022	Project End Date: * 11/01/2022
Field Work Start Date: * 05/02/2022	Field Work End Date: * 11/01/2022

How would you characterize this project? \*

- Experimental Fishing

if 'Other', please write a short description: \*

What fishery is the research focused on? \*

- Other

if 'Other', please write a short description: \*

- The intent of this application is to demonstrate the potential for a federal EEZ commercial purse seine fishery for Atlantic thread herring (*Opisthonema oglinum*)

What areas do you intend to conduct research? \*

- Gulf of Maine
- Georges Bank
- Southern New England
- Mid-Atlantic

Do you intend to fish in an area closed to fishing? \*

- No

If 'Yes', do you intend to fish in a Dedicated Habitat Research Area (DHRA)? \*

- Yes  No

How many trips do you plan to take?: \*

- 5

How many days would an average trip be?: \*

- 1

Would you be using fishing gear? \*

- Yes

If 'Yes', what type of fishing gear would you be using? \*

- Seine

if 'Other', please write a short description: \*

Do you intend to land catch for sale? \*

- Yes

Please include the following details in the project description (if applicable): \*

- Project Objectives
- Project Start and End Dates
- Project Location (Statistical Areas, Management Areas)
- Number, and Duration of Trips
- Estimated weight of Catch (Pounds per Species, per Trip)
- Description of the Gear
- Effort (tows, soak time, number of traps)

- Sampling Protocols
- Are you planning to land catch for sale?
- What regulatory exemptions are you requesting?

### Section 4 - Participating Vessel Information

*Please provide the vessel name, permit number, hull ID, and vessel owner/operator name for each vessel that will participate in this project:*

Owner Name *	Vessel Name *	Vessel Permit Nbr	USCG hull or state reg. nbr *
Axelsson Seiner, Inc.	Opportune	251750	251750
H&L Axelsson, Inc.	Onered	311003	311003
Western Explorer	Gannet	149170	149170
Mnt. Vernon	Brianna Louise	150596	150596
Western Explorer	Charisma	151089	151089
Scombrus One	Eva Marie	410566	410566
Evening Star, LLC	Morning Star	123456	NJ4428HC
Evening Star, LLC	Evening Star	410354	410354

### Section 4a - Vessel Operator Information

*Please provide the name and permit number (if available) for all vessel operators*

Vessel Operator Name *	Operator Permit Nbr
PAUL R AXELSSON	10013722
DAN AXELSSON	10010787
JEREMY S KRIEG	10015718
ROBERT J CUNNINGHAM	10023771
MARCO T GENOVESE	10021523
WILLIAM J MILLER	10021587
WILLIAM LUMBRUNO	10007197
JAMES K LUND	10015884

## Section 5 - Signature

I, the undersigned, am the owner or legally authorized agent of the owner of the vessel named above. I certify that the information I am providing is true, complete and correct to the best of my knowledge, and made in good faith. I understand that failure to report completely and accurately, or submitting false information may result in criminal or civil penalties.

Date Signed (mm/dd/yyyy): *	Print Name: *	Signature: *
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OMB Control No. 0648-0202 Expires: 10/31/2022

# LUND'S FISHERIES



Wild caught product of USA

Lund's Fisheries, Inc.  
997 Ocean Drive, Cape May, NJ 08204  
[www.lundsfish.com](http://www.lundsfish.com)

## **Atlantic Thread Herring Exempted Fisheries Permit Application Project Description – April 26, 2021**

### **Project Objectives:**

The intent of the project is to demonstrate the potential for a federal EEZ commercial purse seine fishery for Atlantic thread herring (*Opisthonema oglinum*), VTR Code HRAT, one of several emerging southern species exhibiting increased occurrence in local waters in response to warming water temperatures.

See: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0224157>  
<https://spo.nmfs.noaa.gov/sites/default/files/pdf-content/MFR/mfr564/mfr5641.pdf>

### **Project Start and End Dates:**

The project start date would be May 2, 2022 and the project end date would be November 1, 2022. The project would take place during the period of the normal operation of the New Jersey Atlantic menhaden purse seine fishery. A 3000-metric ton (6.6 million pound) catch limit is requested for the first year of this project. A multi-year EFP is requested, to maximize biological data-gathering opportunities for estimating stock size potential and allow investments in the gear for this new fishery to be recouped.

### **Project Location:**

The project would take place throughout the geographic area encompassing the normal operation of the region's menhaden purse seine fishery, in Federal waters from Ocean City, MD, north to Montauk, LI, NY and within the management jurisdiction of the Mid-Atlantic Fishery Management Council. The fishery would take place from 3 to 30 miles offshore in water approximately < 30 fathoms deep.

### **Number and Duration of Trips:**

Trips would be < 24 to 48 hours in length and up to 5 trips/week can be attempted. One to five sets per day are anticipated, depending upon fish daily fish availability, with about 1.5 hours needed between setting and hauling back the net.

**Estimated Weight of Catch (per trip):**

An average trip can be estimated as landing 80-100,000 pounds.

**Description of the Gear:**

A purse seine, of approximately 2000' in length and 180' in depth, of 1" mesh (25 mm), is used by the catcher vessel. A purse boat, towed by or on-board the catcher vessel, is operated by that vessel's crew to deploy and retrieve the net. A carrier vessel is used by each catcher vessel to pump the catch on board and carry the fish to the dock for sale and processing.

**Landing Catch for Sale and Sampling Protocols:**

All catch will be landed at Lund's Fisheries' Cape May freezer plant and will be recorded and inspected, according to ongoing plant protocols, which includes length and correlating weights. All catch is reported according to SAFIS requirements.

Any bycatch will be recorded although very little bycatch is anticipated, as is the case in the Atlantic menhaden purse seine fishery.

The goal of this project is to create a successful, environmentally sustainable fishery from an emerging resource in a warming ocean, which can respond to existing demand from food markets, recreational bait markets and markets catering to animals in zoos, aquariums, and marine rescue centers.

**Regulatory Exemption Request:**

This application is consistent with the intent of the MAFMC's 2017 Mid-Atlantic Unmanaged Forage Omnibus Amendment (50 CFR Part 648 § 648.2 - § 648.352). Specifically, at § 648.12, the opportunity for experimental fishing "contributing to the development of new or expansion of existing fisheries for Mid-Atlantic forage species" is provided. Further, an exemption from the § 648.351 Mid-Atlantic forage species possession limit, "of up to 1,700 pounds of all Mid-Atlantic forage species combined per trip in or from the EEZ portion of the Mid-Atlantic Forage Species Management Unit" is requested with this application.

Respectfully submitted:

Wayne Reichle, President  
[wreichle@lundsfish.com](mailto:wreichle@lundsfish.com)

Jeff Kaelin, Director of Sustainability and Government Relations  
[jkaelin@lundsfish.com](mailto:jkaelin@lundsfish.com)

Dr. Eleanor Bochenek, Director, Rutgers University Fisheries Cooperative Center  
[eboch@hsrl.rutgers.edu](mailto:eboch@hsrl.rutgers.edu)

**Additional project description details** – excerpts from email between Lund’s Fisheries and GARFO

Location: two charts one with a 60 M depth contour and the other with the stat areas highlighted are included (see Appendix 1). Generally, fishing will occur in Federal waters from Ocean City, MD to Montauk, LI, NY and out to the 60 M contour

Sampling: Dr. Eleanor Bochenek, from Rutgers, will lead this portion of the project to oversee the collection of length and weight samples, and record any bycatch, at our plant in Cape May, from each boat landing during the fishing season, with the assistance of Wayne and our plant personnel.

The intent is to mirror a chub mackerel data collection program that we have had running for 3-4 years and is supported through our NSF/Industry/University Partnership; the Science Center for Marine Fisheries.

Dr. Robert Leaf, from the University of Southern Mississippi (one of the SCMFIS host institutions), has been the PI on that project throughout with graduate student assistance, and with Eleanor’s assistance, also, at our Cape May plant.

See: [https://scemfis.org/wp-content/uploads/2020/11/Atlantic\\_Chub\\_Mackerel\\_Update.pdf](https://scemfis.org/wp-content/uploads/2020/11/Atlantic_Chub_Mackerel_Update.pdf)

Our industry advisory board agreed last month to extend the chub mackerel project through this next season (summer – when the fleet is catching Illex; although very little chub is landed when Illex is being caught, we have had sufficient samples to support a length/weight key to date).

This work has been reviewed by the MAFMC SSC, most recently at their September 8, 2020 meeting: <https://www.mafmc.org/ssc-meetings/2020/september-8-9>

The SSC’s report from that meeting, relative to this chub data collection project reads:

*The ongoing initiatives by industry and the Council to collect biological information were commended. Members noted that these data are the primary sources of information, and although sparse should allow for improved understanding of this resource. Changes in the size composition over the past 12 years will be valuable inputs to any future stock assessments. The SSC suggested coordinating data with fishing companies and throughout the South Atlantic and Gulf of Mexico where possible.*

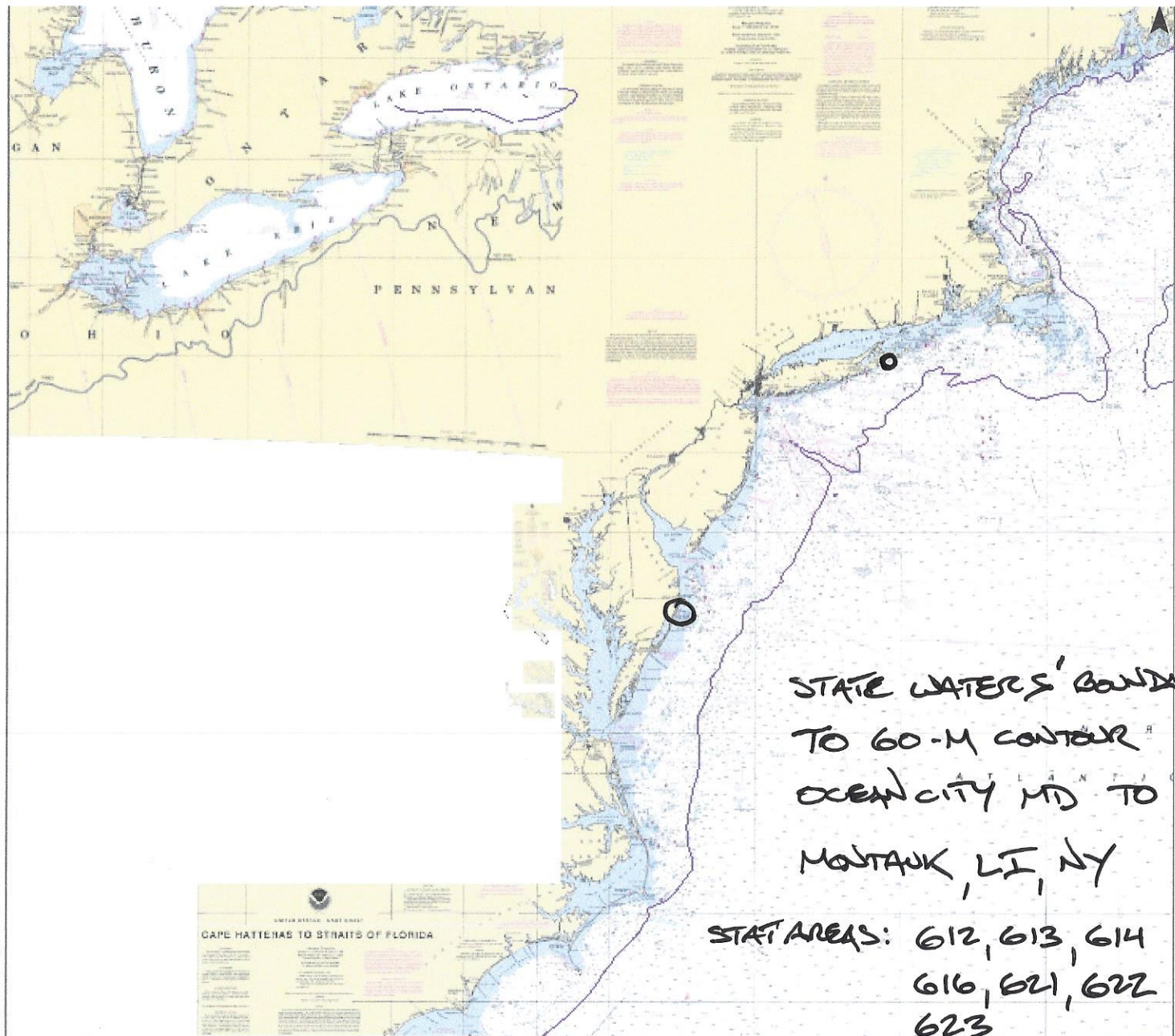
PI and Project Partners: as identified in the application, company President, Wayne Reichle will be the PI. He will coordinate the vessel and plant activities from our Cape May location.

Dr. Bochenek and SCMFIS will act as project partners (Dr. Bochenek and Mr. Jeff Kaelin are members of the SCMFIS Industry Advisory Board).



60-meter Bathymetry  
Contour

Attachment 1

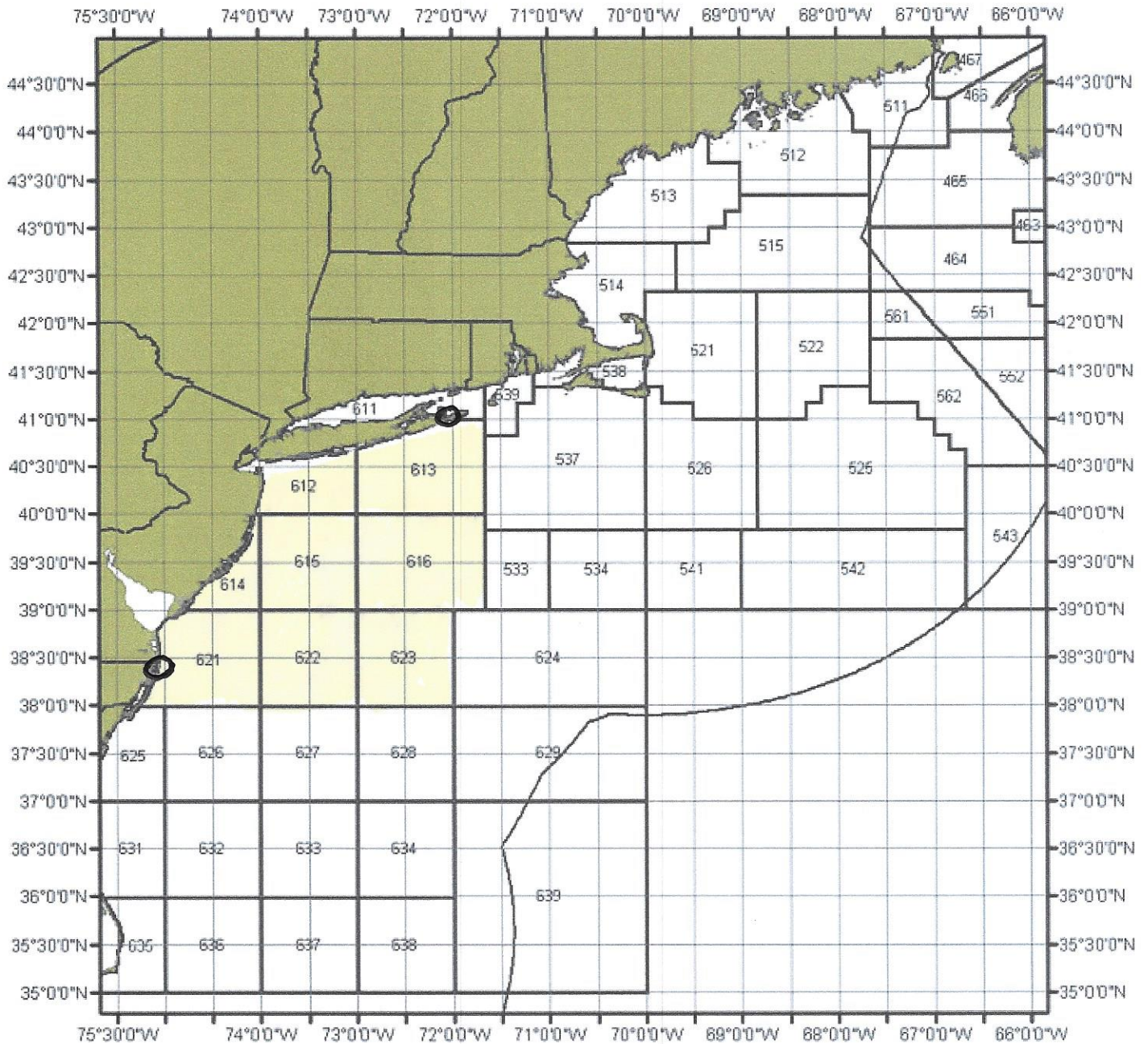


This map was generated using data on the Northeast Ocean Data Portal on 5/19/2021.  
[www.northeastoceandata.org](http://www.northeastoceandata.org)

0 70 140 280 Miles

LWD'S FISHERIES  
THREAD HERRING EFP  
5/21





LUND'S FISHERIES  
 TARGETED HERING EFP  
 5/21  
 STAT AREAS OCEAN CITY ~~TO~~ MONTAUK