



SHOW
ME
THE
SCIENCE

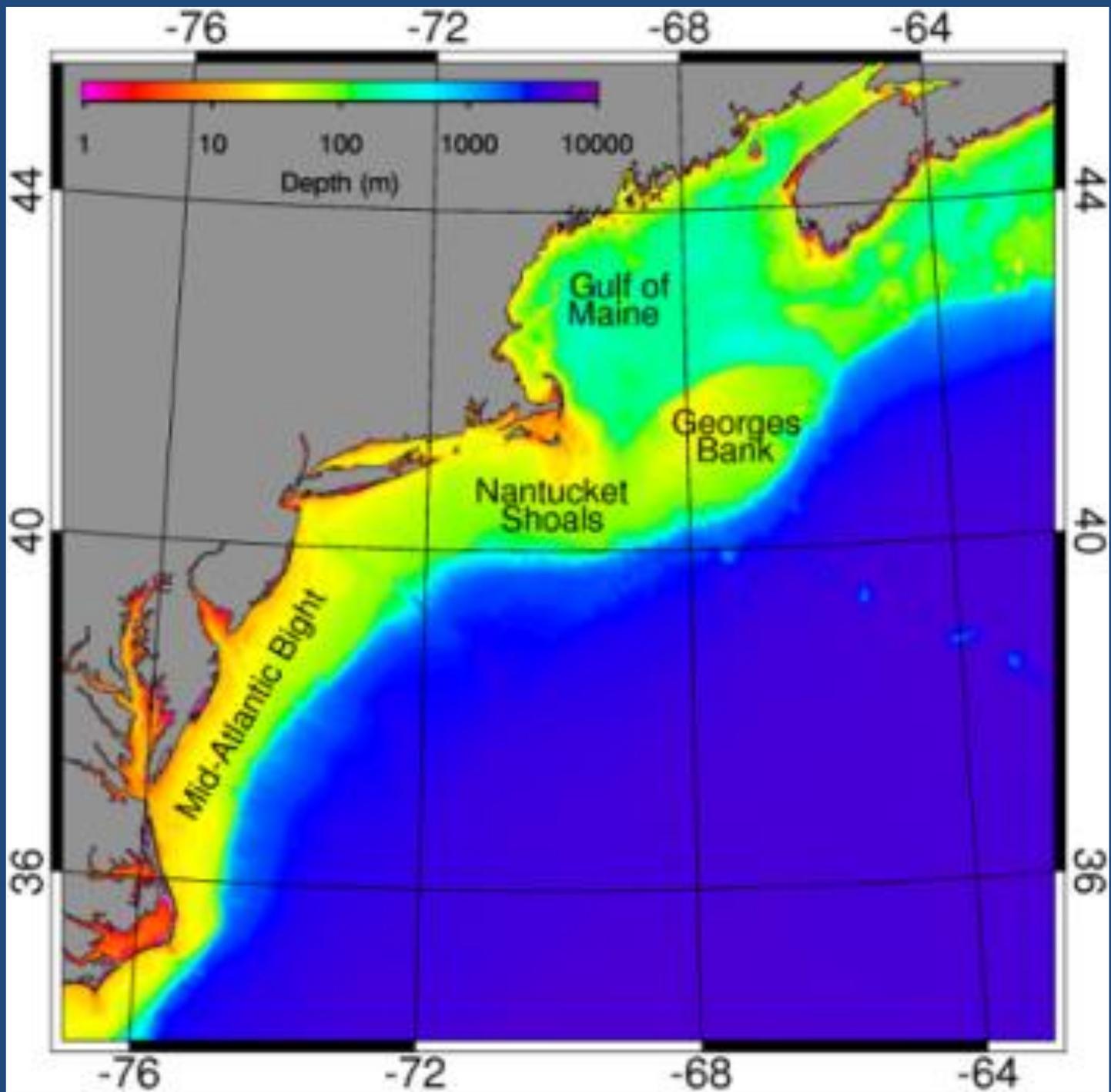
SAVE
THE
FISHERMEN

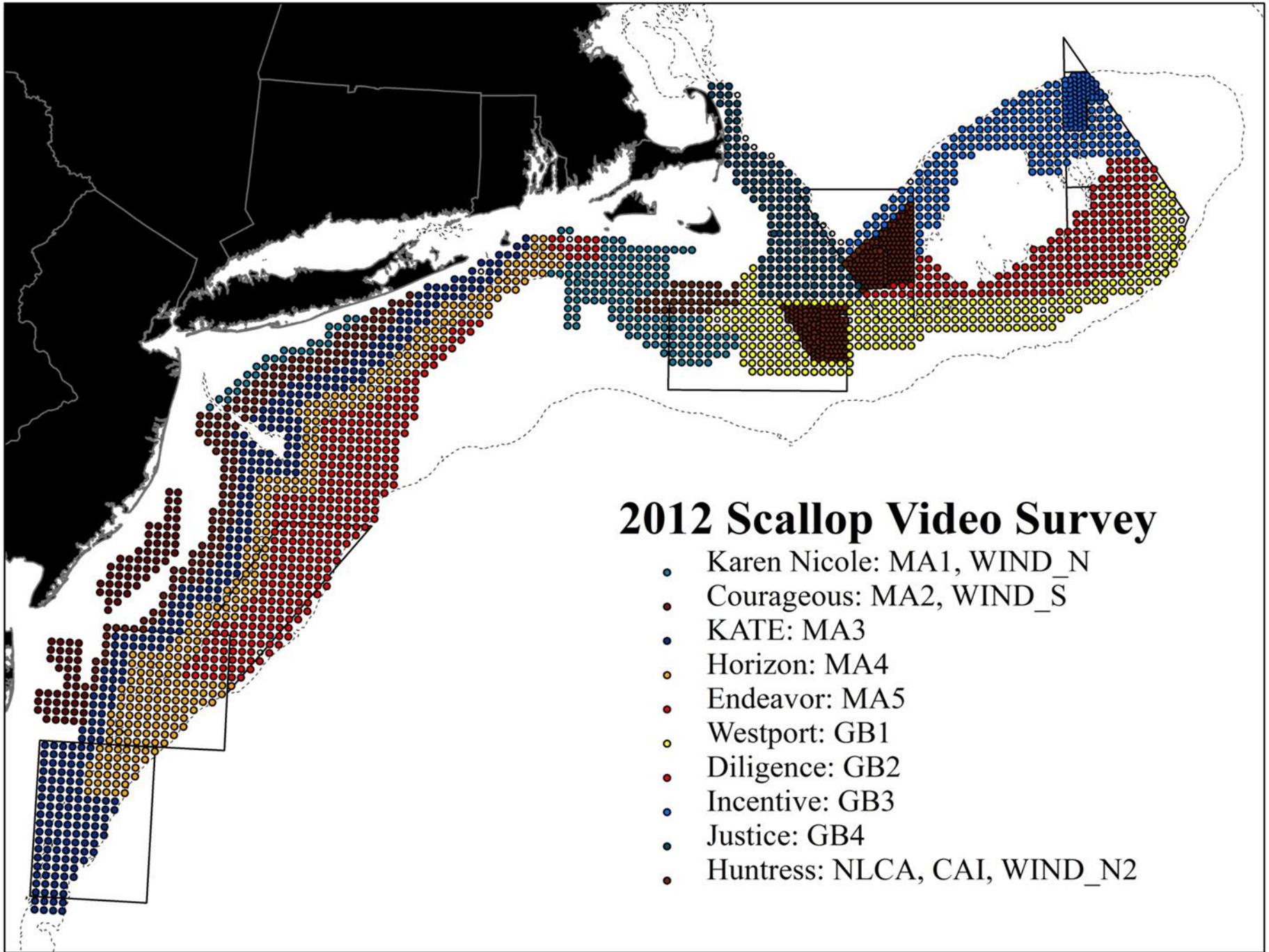
SAVE AN
ENDANGERED

NOAA

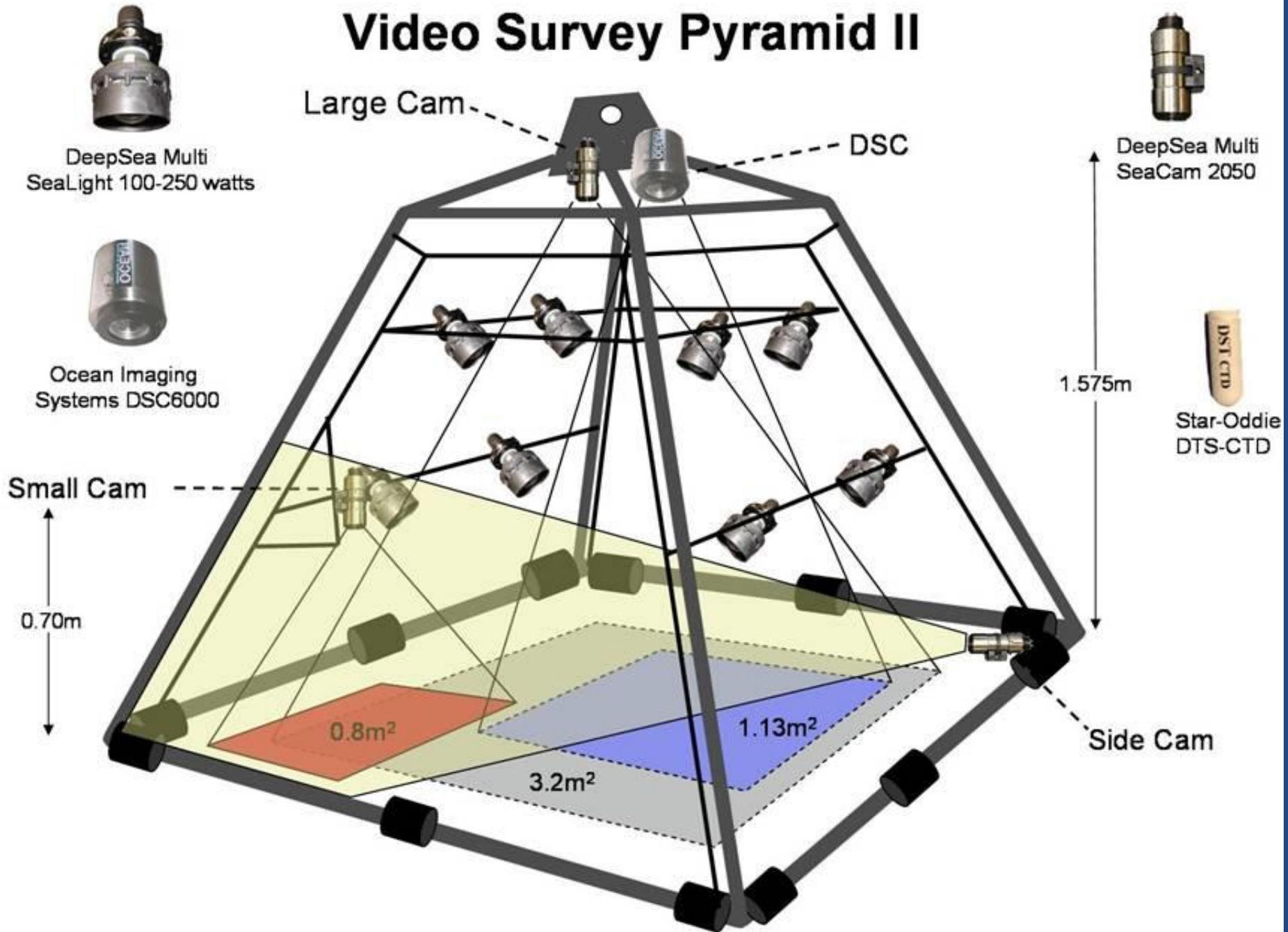
Jesus Was A
Fisherman. Why
Can't I Be?

Why Are You
Stopping Me
From
Fishing?





Video Survey Pyramid II



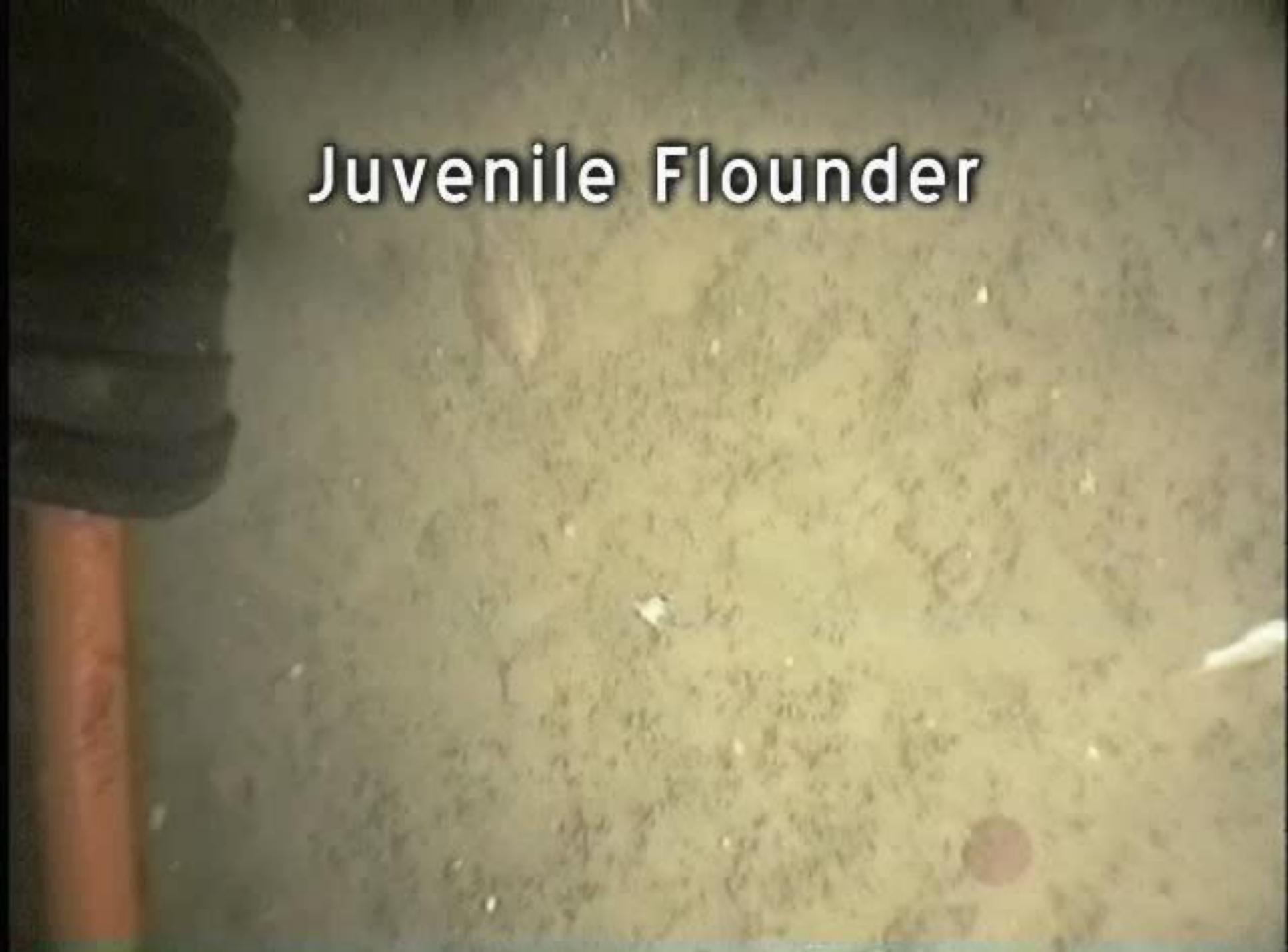




Goosefish
Lophius americanus



Juvenile Flounder



Commercial Fisheries News

Closed Areas I, II
access outage • 5

Late season bluefin
bite off NJ • 8

Lobster prices • 18
Howling winds, year-end holidays

Shrimp Moratorium • 24
No fishing in 2014

Herring/haddock • 20
Face-off at NE council meeting

Dogfish quota up,
but no market fix • 10

CFRF whelk, lobster,
scallop project results • 15

Bearin's • 42
Church is where you find it

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Project to mine data from scallop video surveys

In 1998, the sea scallop resource was recovering while the industry continued to struggle. At that time, the scallop industry asked the University of Massachusetts Dartmouth School for Marine Science and Technology (SMASST) for help in providing estimates of the surrounding scallop biomass on key scalloping grounds in the Northeast. So began the video surveys of Georges Bank and the Mid Atlantic.

Now, nearly 15 years later, we have completed more than 165 video survey cruises with the essential help of fishermen and other partners who donated their time, fuel, fuel, and fishing vessels, which served as research platforms for this project.

Federal support and considerable contributions from the industry-funded Scallop Research Set-Aside (RSA) program have provided for equipment, student stipends, and research scientists. Altogether, these resources have made it possible for us to conduct a wide-ranging, fine-scale survey of most of the ocean floor from the Hagar Line to the Chesapeake.

To date, more than 100 students and fishermen have worked together on this project, and the SMASST video survey data has supported scallop management decisions since 1999. It is the largest survey of its kind in the world and has been published in 26 peer-reviewed scientific papers and used by the National Marine Fisheries Service for sea scallop stock assessments.

It also provides one of the fundamental data sets for the New England Fishery Management Council's Essential Fish Habitat Overlay

GUEST COLUMN

by Sally McGee and
Kevin Stokesbury

Amendment, which, when completed next year, will affect all of the managed species in the Northeast.

However, a tremendous amount of important data in these images remains to be analyzed — data that can help the surveys become an even more powerful tool to advance knowledge of the survey area.



Expanded analysis

To help optimize as much value as possible from the video surveys, SMASST and The Nature Conservancy are developing an expanded analysis of the many different species and habitats observed.

For the next two years, the "Offshore Video Survey Analysis" will incorporate an oceanographic modeling program called "Pistia Volume Coastal Ocean Model" (PVCOM) and will organize and unify existing published fieldwork and models.

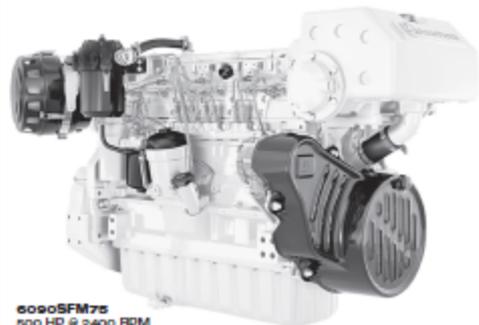
Earlier this year, the scallop ISA

A tremendous amount of important data in these video survey images remains to be analyzed.

program was used to focus more research on critically important environmental and product-quality issues.

Although the joint SMASST/See SCALLOP SURVEYS, page 14

THE 6090SFM75 JOHN DEERE 500 HP @ 2400 RPM



6090SFM75
500 HP @ 2400 RPM
9.0 L/15.45 CU IN
2350 LBS

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ALSO INSIDE

Along the Coast.....	4
Bearin's.....	42
Classifieds.....	34
Coming Events.....	41
Editorial.....	6
FISH SAFE.....	40
Guest Columns.....	7, 13
Letters.....	6
Lobster Market Report... 18	
NE Groundfish History... 30	
News Catch.....	32
Shop Talk.....	38

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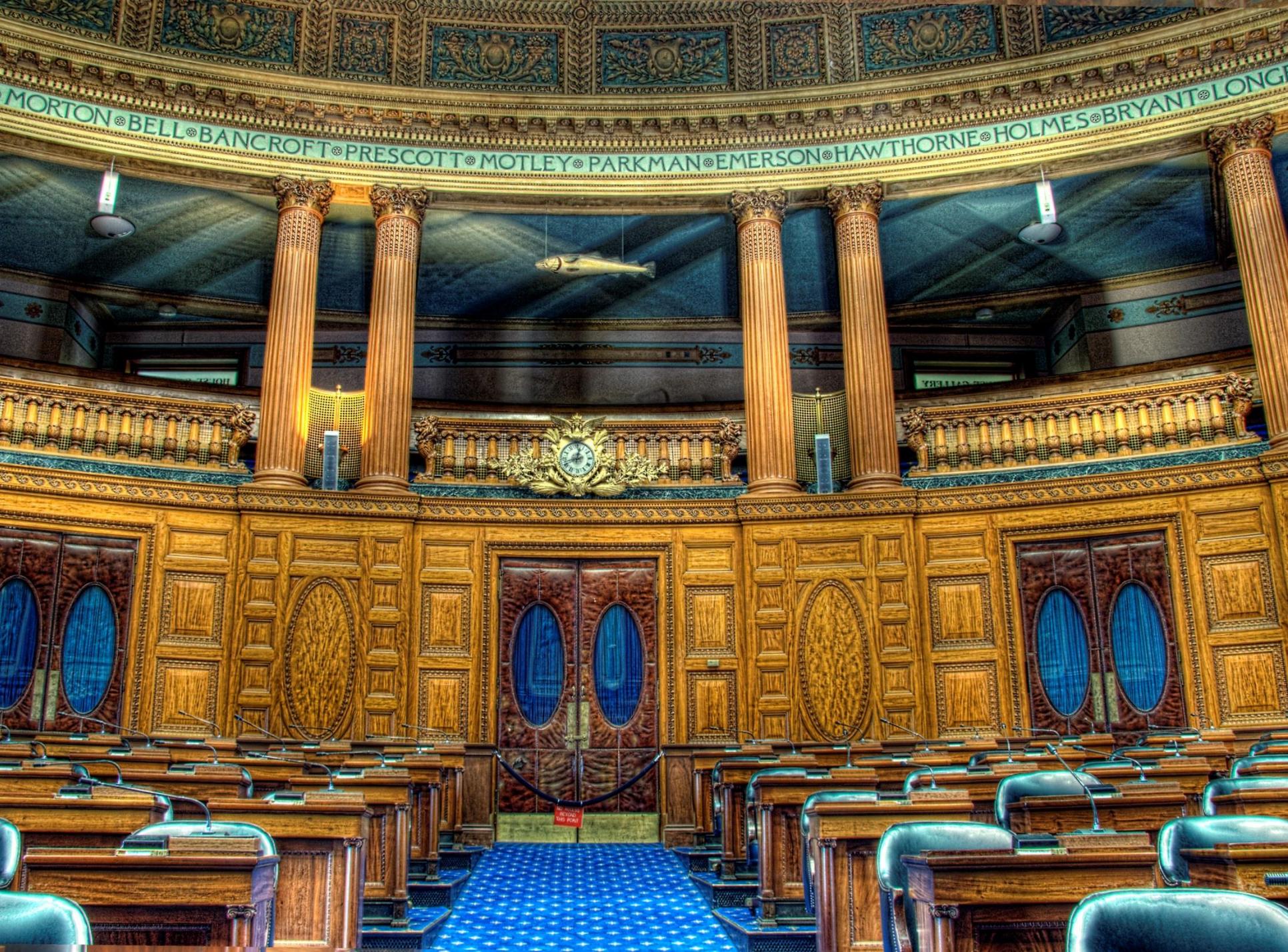
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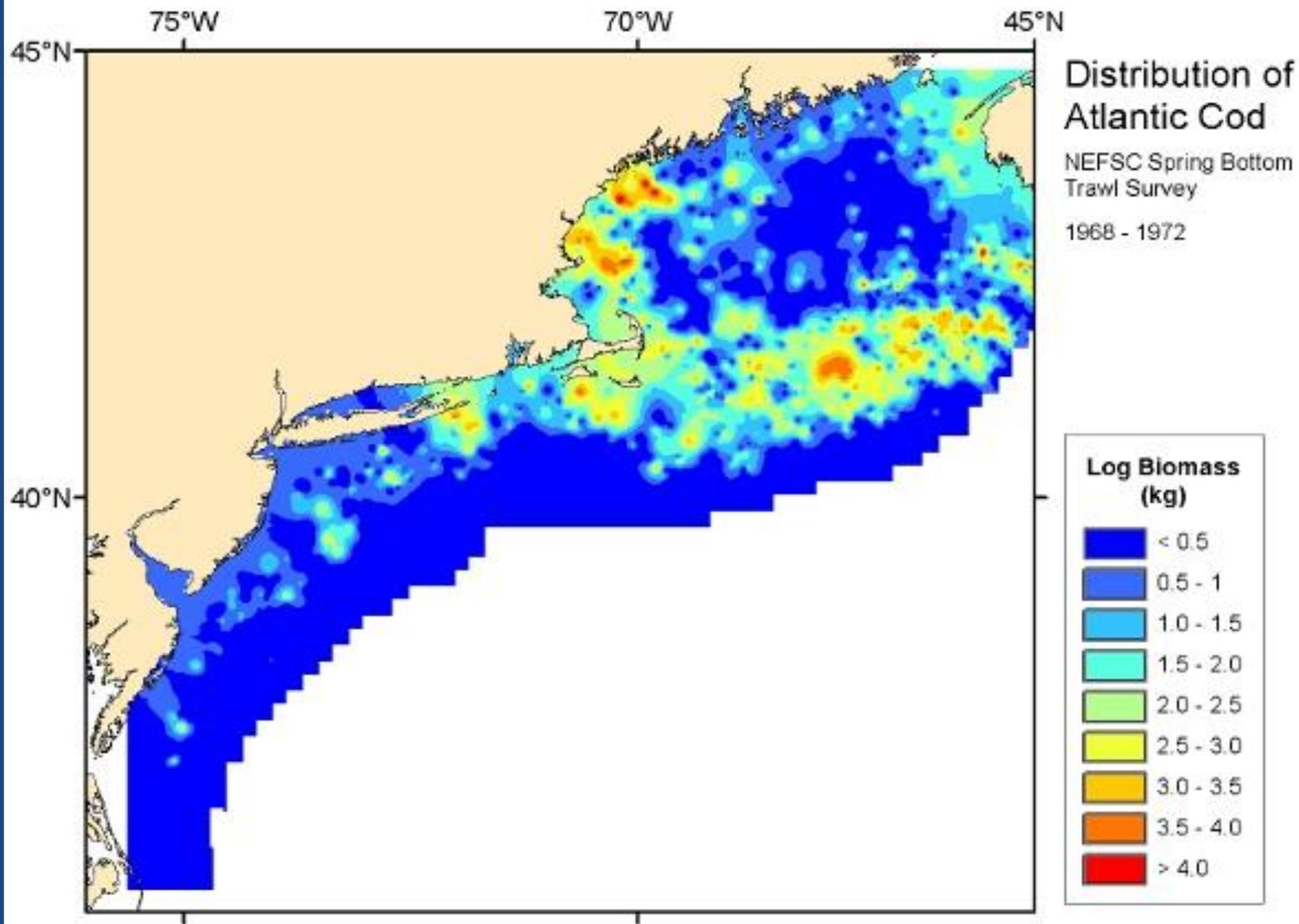
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75°W

70°W

45°N

45°N

40°N

Distribution of Atlantic Cod

NEFSC Spring Bottom Trawl Survey

2003 - 2007

Log Biomass (kg)



