

Science, Service, Stewardship



NEFSC PSB Gear Research FY 10

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**NOAA
FISHERIES
SERVICE**

NOAA



FY10 BREP Funded Project Update

- Goal: mitigate the bycatch of Atlantic sturgeon in the bottom set gillnet fishery.
- Research plan: Compare the bycatch and targeted species catch of gillnets hung with and without 48” tiedowns.
- Progress:
 - Two responses received on 8/24 to RFQ
 - Contract for the supply of the gillnets awarded



FY10 BREP Funded Project Update

- Goal: mitigate the bycatch of butterfish in the longfin squid (loligo) fishery.
- Research plan: Compare the bycatch and targeted catch of trawl nets with various BRDs and then rigorously test the most promising BRD
- Progress:
 - Partnered with Cornell who had funds to look at this issue.
 - Funded testing of gear designs at Memorial's flume tank.
 - Passed 120K to Cornell to augment their project and provide the project more BRDs and broader (expanded the strata) ability to test BRDs.



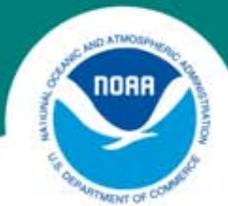
FY10 BREP Funded Project Update

- Goal: add additional personnel to NEFSC gear research program to help accomplish the goals of gear research in the region.
- Progress:
 - Contract awarded for another year of staff time for a Contractor to help support NEFSC gear research activities.

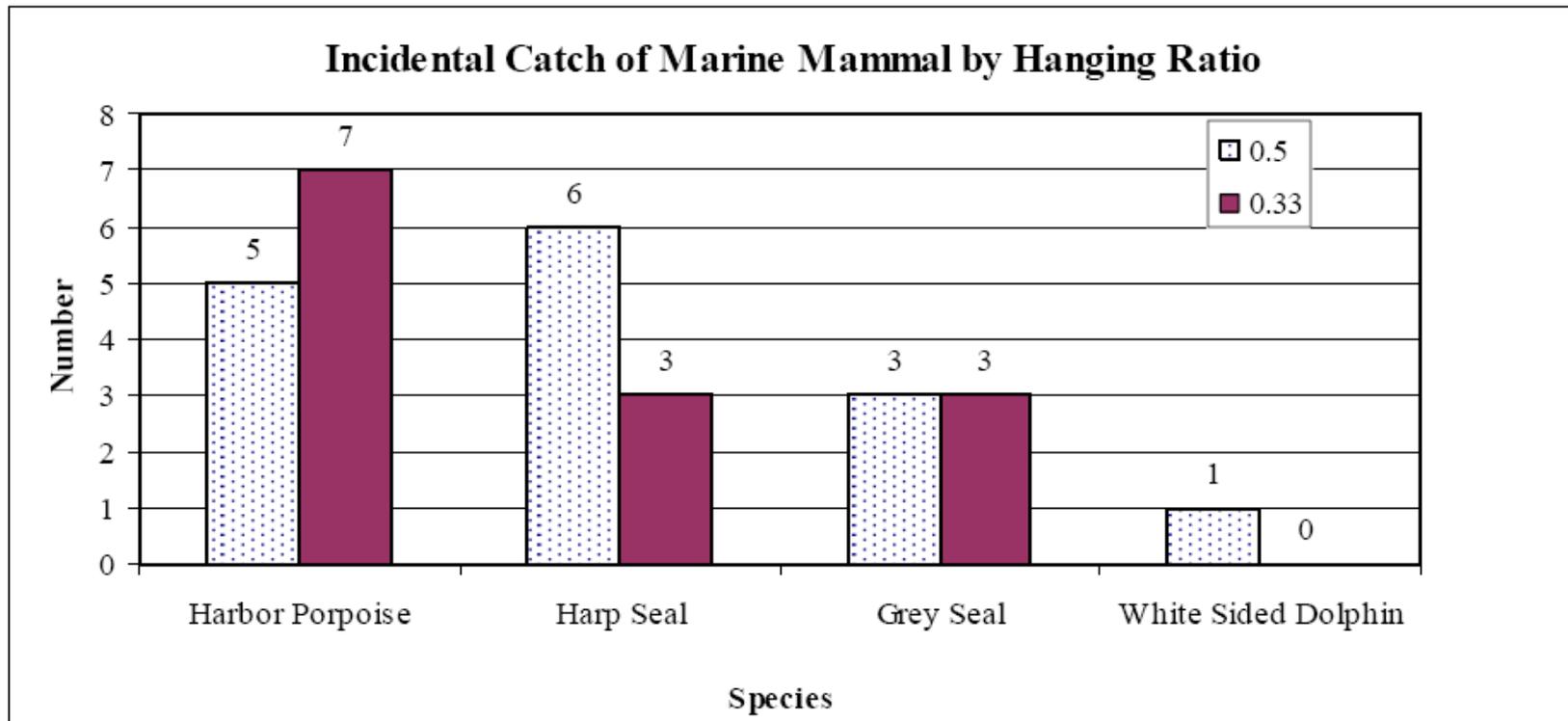


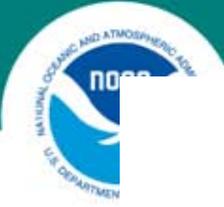
FY10 BREP Funded Project Update

- Goal: to develop a robust underwater recording system that can be used on several gear types, is easily deployed and is easy to offload the video footage. Additionally the footage must be of high enough quality to freeze and grab clear images.
- Progress:
 - Working with WHOI and Coonamesset Farm to develop a system. Tested many components and choose cameras and DVR's that proved the best at being able to freeze and grab clear images.
 - Two separate contracts awarded for the procurement of the video system's components.
 - Housings arrived– Thanks Scott!

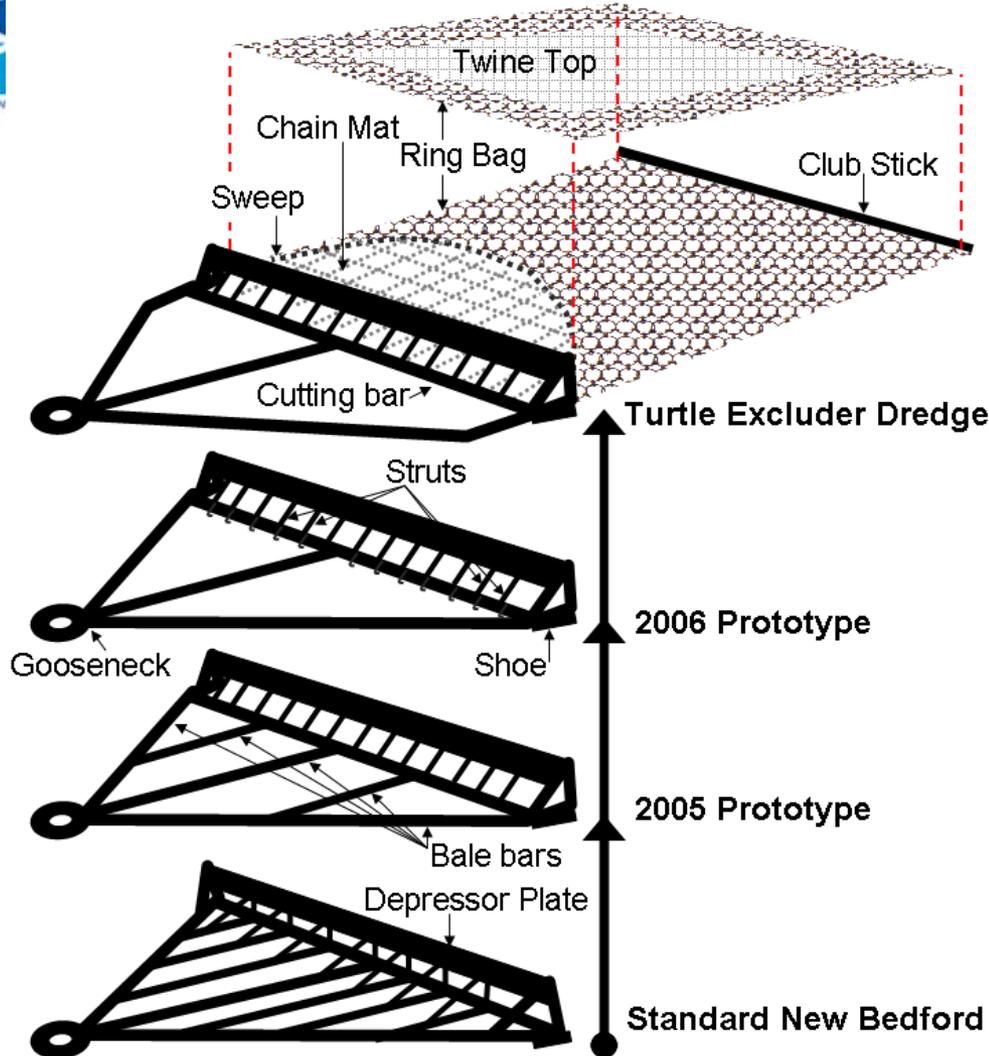


Past BREP Funded Projects Gillnet Harbor Porpoise



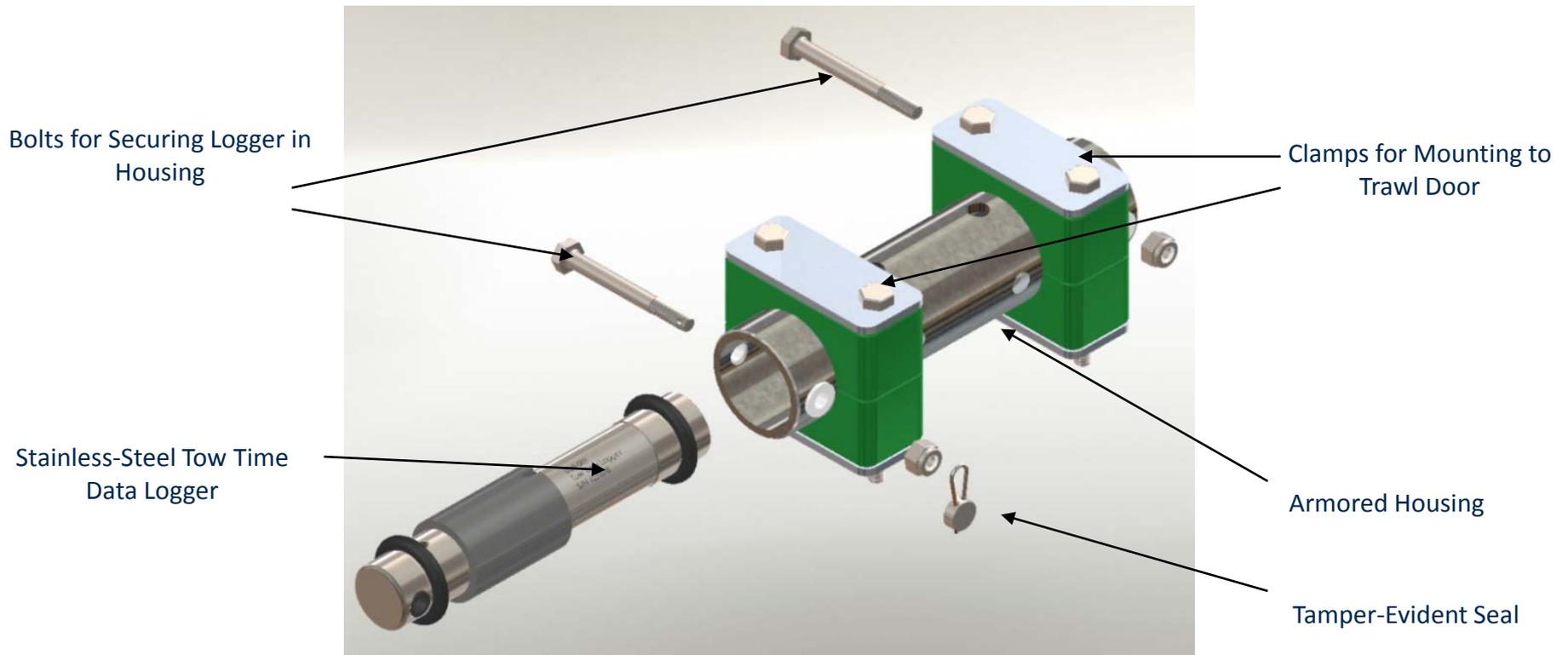


Past BREP Funded Projects Modified scallop dredge to reduce sea turtle capture





Past BREP Funded Projects Tow time data logger

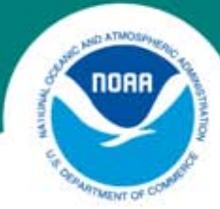




Other FY10 funded projects

- Workshop planned for October in Ocean City, MD to discuss previous TED research and future mitigation strategies.
- Contract awarded for 80 plus pairs of tows in the bottom trawl fishery to test bycatch reduction technologies (BRTs). Determination of BRTs to be tested will be made after input is received during the October workshop.





Other FY10 funded projects AMAPPS



7 satellite tags applied
to juvenile loggerheads
as part of AMAPPS
project

Tags record depth,
location and
temperature



Other NEFSC / PSB Projects

DeAlteris J, Parkins C. 2010. Evaluation of the effect on catch performance of the NMFS flounder Turtle Excluder Device (TED) with a large opening in the Southern New England long fin squid trawl fishery. [Final report; 19 p.] NOAA Contract No. EA133F08CN0182.

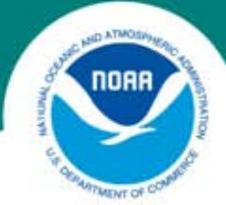
Salerno DJ, Eayrs S. 2010. Study on catch retention using a larger TED and opening in the summer flounder trawl fishery. [Revised final report; 33 p.] NOAA Contract No. EA133F-08-CN-0230.



Other NEFSC / PSB Projects

Smolowitz R, Weeks M. 2010. Scallop Dredge Comparison Study. [Final report; 16 p.] NOAA Contract No. NFFM7320-8-26515.

DeAlteris J, Parkins C. 2009. Evaluation of the catch performance of the NMFS flounder Turtle Excluder Device (TED) with a large opening in the Southern New England whiting trawl fishery. [Final Report; 15 p.] NOAA Contract No. EA133F08CN0182.



Thanks BREP for helping to support gear research at the NEFSC!

QUESTIONS?