
Curriculum Vitae

Daniel G. Foster

Education

Associate of Arts, 1983, Pensacola Junior College

Bachelor of Science, 1986, University of West Florida, Marine Biology

Professional Employment

Oct 2000-Present

Project Coordinator, Shrimp Trawl Bycatch Project, NOAA, National Marine Fisheries Service, Southeast Fisheries Science Center, Pascagoula, MS. Responsible for planning and carrying out R&D research on sustainable fisheries technology to reduce shrimp trawl bycatch by conducting studies on gear performance and fish behavior, coordinating research efforts with other research agencies and constituents, and analyzing research data. Conduct domestic and foreign transfer activities to successfully transfer sustainable fishery technology to commercial shrimp fishery and provide training for law enforcement agencies. Provide supervision for field operations and provide support for other Team projects and scuba diving operations to accomplish laboratory missions.

May, 1990-Oct., 2000

Research Fishery Biologist, National Marine Fisheries Service, Pascagoula, MS. Assisting in R&D for new sustainable fisheries technology by conducting studies on gear performance, conducting analysis of research data, and preparing research findings for reports and publications. Conduct domestic and foreign technology transfer activities to successfully transfer sustainable fishery technology to the commercial shrimp fishery and provide training to law enforcement agencies. Provide support for field operations to accomplish laboratory missions. Perform specific tasks in support of field operations, collect performance data on research, cooperative and charter vessels, provide support for scuba diving operations, maintain records of field operations, and prepare reports of field activities.

Significant Contributions

- 1990 – 2002- NOAA Working Diver Classification with 624 dives.*
- 1990 – 2002- Developed prototype bycatch reduction devices (BRDs) for the reduction of juvenile red snapper in shrimp trawls.*
- 1992- Planned and conducted the first comprehensive evaluation of Turtle Excluder Devices (TEDs) in inshore waters which led to legislation requiring TEDs in inshore waters of the S.E. United States.*
- 1993- Co-developed a curriculum on the proper installation of TEDs used to train fishermen, Coast Guard, and other law enforcement agencies in the U.S. as well as 21 other countries.*
- 1995- Co-developed artificial reefs as refuge for juvenile red snapper.*
- 2000- Co-developed trawlable artificial reefs for obtaining behavioral observations of juvenile red snapper in trawls.*
- 2001 – 2002- Supervised the development and evaluation of (BRDs) for reduction of finfish bycatch in shrimp trawls.*

Special Activities

- 1990 – 2002- Conducted 15 constituent workshops providing instruction in the construction, installation, and legal requirements for BRDs and TEDs.*
- 1990 – 2002- Conducted 8 law enforcement workshops for NMFS law enforcement, Coast Guard, and state law enforcement agencies providing instruction for the legal requirements and the inspection of BRDs and TEDs.*
- 1998- Technical monitor for MARFIN project.*
- 1998 – 2002- Technical advisor for South Atlantic and Gulf of Mexico Fishery Management councils.*

International Experience

- 1998- Conducted cooperative research on fish behavior with Dr. Arill Engaas, from the Norway Institute of Marine Research during his one-year sabbatical to the U.S..*
- 2000- Conducted cooperative BRD research with the Norway Institute of Marine Research at the IFREMER flume facility in Boulone-sur-*

- Mer, France.*
- 2000- *Conducted cooperative BRD research with the Instituto Nacional de la Pesca and Conservation International, in the Gulf of California, Mexico.*
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Honors and Awards

- NOAA Certificate of Recognition*
Outstanding Performance ratings 1995 – 1997
Letter of Commendation from Rolland Smitten, Assistant Administrator for Fisheries, NMFS. 1996
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Oral Presentations

- 1997- *Status of TED technology, given to Thailand fisheries delegation including the Minister of Fisheries, Pascagoula MS.*
- 1997-2000- *Status of BRD and TED technology, MEX-US Gulf meetings as the U.S. representative in the gear research working group, Merida, and Mexico City, Mexico, and Monterey, California.*
- 2000- *Status of BRD technology, given to the Bahrain Minister of Fisheries, Pascagoula, MS.*
- 2000- *Status of BRD technology, BRD workshop, Guaymas, Mexico.*
- 1999 & 2001- *Status of BRD technology, Gulf and South Atlantic Fisheries Foundation stakeholders meetings, Tampa Florida.*
- 2002- *Results of the data analysis for the NED longline experiment, Miami, Florida.*
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Publications and Reports

Watson, John, Ian Workman, Dan Foster, Charles Taylor, Arvind Shah, James Barbour, Dominy Hataway. March 1993. Status report on the Development of Gear Modifications to Reduce Finfish Bycatch in Shrimp Trawls in the Southeastern United States. 1990-1992. NOAA Tech. Mem. NMFS-SEFSC-327, 130p.

Workman, Ian K., Daniel G. Foster. 1994. Occurrence and Behavior of Juvenile Red Snapper, *Lutjanus campecanus*, on Commercial Shrimp Fishing Grounds in the Northern Gulf of

Mexico. Mar.Fish.Rev. 56(2):9-11.

Mitchell, John F., John W. Watson, Daniel G. Foster, Robert E. Caylor. April 1995. The Turtle Excluder Device (TED): A Guide to Better Performance. NOAA Technical Memorandum NMFS-SEFSC-366, 35p.

Watson, J.W., D. Foster, S. Nichols, A. Shah, E. Scott-Denton, and J. Nance. 1999. The development of bycatch reduction technology in the Southeastern United States shrimp fishery. Marine Technology Society Journal vol. 33, no. 2 p 51.

Engaas, A., D. Foster, D. Hataway, J. Watson, I. Workman. 1999. The behavioral responses of juvenile red snapper (*Lutjanus campechanus*) to shrimp trawls that utilize water flow modifications to induce escapement. Marine Technology Society Journal, vol 33, No. 2, p 43.

Workman, I., Shah, A., Foster, D. and Hataway, B. 2002. Habitat preferences and site fidelity of juvenile red snapper *Lutjanus campechanus*. – ICES Journal of Marine Science, (accepted for publication), 59: 000 – 000.

Engaas, A., Foster, D. (authorship equal). 2002. The response of red snapper (*Lutjanus campechanus*) and pinfish (*Lagodon rhomboides*) to inclined water flow. Fisheries Research (accepted for publication in 2002).

Workman, I., Foster, D. 2002. The Webbing Reef: A Tool used in the Study of Juvenile Red Snapper (*Lutjanus campechanus*). Marine Technology Society (accepted for publication 2002).

Foster, D., Watson, J. 2002. The Response of Finfish to Side Opening Grids. Submitted for presentation at the ICES Symposium on Fish Behaviour in Exploited Ecosystems. June 2003, Bergen, Norway.

Professional References

*Dr. James Nance
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*Dr. Arvind Shah
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*Dr. Arill Engaas
Institute of Marine Research
Fish Capture Division
Department of Marine Resources
P.O. Box 1870
N-5024 Bergen, Norway*