Monkfish tagging methods - survival rates from F/V Miss Fitz NEC-AR2005-1 in the Woods Hole MA (NEC_ProjDev project)

Website: https://www.bco-dmo.org/dataset/3141
Version: 24 June 2009
Version Date: 2009-06-24

Project
» Northeast Consortium: Project Development (NEC_ProjDev)

Program
» NorthEast Consortium (NEC)

Contributors	Affiliation	Role
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Dataset Description

"Development of Tagging Methods for Monkfish, *Lophius americanus*"

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A controlled experiment to test effects of tagging on survival of monkfish and to investigate tag retention. Thirty-four monkfish ranging in size from 40-78 cm were captured in gillnets on Dec. 11-15, 2006, and transported to the lab as described above except that time from capture to release in the lab was reduced to a maximum of 12 hr and Amquell was used in the on-board tank and transport coolers. The transport coolers were also dosed with Slime Coat at the recommended concentration. The fish were held for up to six weeks in two tanks (2600 gallon) supplied with ambient (5- 8 oC) running seawater. Eighteen monkfish were tagged 4-10 days after their arrival in the laboratory, the remaining 16 fish were left untagged to serve as controls. Nine tagged fish and 8 control fish were placed in each tank. We attempted to match controls and tagged fish for size and condition. We offered food (squid or capelin) daily; however, the food was rarely taken. The experiment was terminated 40 days after the final batch of monkfish was tagged. Remaining monkfish were euthanized, released or held for longer term observation. Survival curves of tagged and control fish were compared using Proc Lifetest (SAS System, Allison 1995)

final report

Related dataset: monkfish_tag_mort

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Data Files

File
monk_tag_surgery.csv (Comma Separated Values (.csv), 4.50 KB) MD5:341ddaf27fcd4e31d52ed145e98b441d Primary data file for dataset ID 3141

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Parameters

Parameter	Description	Units
treatment	tagged or control	
tag_id	tag identification number	
date_local	local month, day and year	
day_local	day, local time	
month_local	month of year, local time	
year	year, reported as YYYY, e.g. 1995	
yrday_local	local day and decimal time, as 325.5 for the 326th day of the year, or November 22 at 1200 hours (noon)	
length_cm	length of fish	centimeters
tank_num	tank identification number that fish was in.	
duration_surgery	duration of tag implantation surgery	minutes
condition_start	condition of fish at start of surgery or beginning of control test.	
date_death	date that fish died	
days_survive	number of days from surgery or beginning of control test to death.	
death_cause	apparant cause of death	
comment_tag_site	comment pertaining to the tag insertion area	
comments	other observations	

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Deployments

NEC-AR2005-1

Website	https://www.bco-dmo.org/deployment/58115
Platform	F/V Miss Fitz
Report	http://northeastconsortium.org/ProjectFileDownload.pm?report_id=857&table=project_report

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Project Information

Northeast Consortium: Project Development (NEC_ProjDev)

Website: http://northeastconsortium.org/

Coverage: Georges Bank, Gulf of Maine

The Northeast Consortium encourages and funds **cooperative research** and monitoring projects in the Gulf of Maine and Georges Bank that have effective, **equal partnerships** among fishermen, scientists, educators, and marine resource managers.

Priority areas for Northeast Consortium funding include selective fishing-gear research and development. The development of selective fishing gears that enhance gear selectivity, target healthy stocks, reduce bycatch and discard, reduce or eliminate technical barriers to trade, minimize harvest losses, and improve fishing practices. Studies of new and developing fishing gears and technologies aimed at reducing environmental impact is funded under Project Development.

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Program Information

NorthEast Consortium (NEC)

Website: http://northeastconsortium.org/

Coverage: Georges Bank, Gulf of Maine

The Northeast Consortium encourages and funds
cooperative research and monitoring projects in the Gulf of Maine and Georges Bank that have effective, **equal partnerships** among fishermen, scientists, educators, and marine resource managers.

At the 2008 Maine Fisheremen's Forum, the Northeast Consortium organized a session on data collection and availability. Participants included several key organizations in the Gulf of Maine area, sharing what data are out there and how you can find them.

The Northeast Consortium has joined the Gulf of Maine Ocean Data Partnership. The purpose of the GoMODP is to promote and coordinate the sharing, linking, electronic dissemination, and use of data on the Gulf of Maine region.

The Northeast Consortium was created in 1999 to encourage and fund effective, equal partnerships among commercial fishermen, scientists, and other stakeholders to engage in cooperative research and monitoring projects in the Gulf of Maine and Georges Bank. The Northeast Consortium consists of four research institutions (University of New Hampshire, University of Maine, Massachusetts Institute of Technology, and Woods Hole Oceanographic Institution), which are working together to foster this initiative.

The Northeast Consortium administers nearly $5M annually from the National Oceanic and Atmospheric Administration for cooperative research on a broad range of topics including gear selectivity, fish habitat, stock

assessments, and socioeconomics. The funding is appropriated to the National Marine Fisheries Service and administered by the University of New Hampshire on behalf of the Northeast Consortium. Funds are distributed through an annual open competition, which is announced via a Request for Proposals (RFP). All projects must involve partnership between commercial fishermen and scientists.

The Northeast Consortium seeks to fund projects that will be conducted in a responsible manner. Cooperative research projects should be designed to minimize any negative impacts to ecosystems or marine organisms, and be consistent with accepted ethical research practices, including the use of animals and human subjects in research, scrutiny of research protocols by an institutional board of review, etc.

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Funding

Funding Source	Award
National Oceanic and Atmospheric Administration (NOAA)	NOAA Fisheries 1

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