

9 February 2001

MASTER

NOAA Charter Vessels - F/V Mary K

CRUISE INSTRUCTIONS: Collaborative Goosefish Survey

Cruise Period: On or about 26 February, 2001 - 13 April, 2001.

Area of Operation: Mid-Atlantic continental shelf and slope from around Cape Hatteras to Georges Bank. Stations may be occupied between and 55-600 meters (30-320 fathoms; Figure 1).

Objectives: (1) To collect research survey data on the monkfish resource (distribution, abundance, biological characteristics) in U.S. waters of the middle Atlantic (2) To conduct depth-stratified sampling (up to 320 fathoms) to assess the seaward boundary of the stock.

Itinerary (planned):

23-26 February: Load scientific gear and supplies aboard charter vessel.

26 February: Embark scientific personnel aboard charter vessel and depart home port.

26 February-9 March: Conduct Leg 1 of study as described in the Operational Plans.

12 March-23 March: Conduct Leg 2 of study as described in the Operational Plans.

26 March-6 April 6: Conduct Leg 3 of study as described in the Operational Plans.

9 April-13 April: Conduct Leg 4 of study as described in the Operational Plans.

13 April: Arrive at home port, offload scientific collections and disembark scientific personnel.

Operational Plans:

Approximately 250 designated survey stations will be occupied for 30 minute tows at 2.5 knots. Standard NEFSC bottom trawl survey techniques will be used to process the catch. The total weight and number for each species will be recorded on standard trawl logs. Lengths will be measured to the nearest cm and weights to the nearest 0.1 kg will be recorded. Goosefish vertebrae will be collected and frozen for age processing, goosefish stomach contents recorded.

Data Management: Trawl catches will be processed on shipboard as specified in the Operational Plans. Preliminary processing of the trawl logs will be done at sea; final processing will be done at the NEFSC in Woods Hole, MA. Samples and data collected for specific individuals, organizations or agencies will be processed by same. ROSCOP 3 forms (IOC SC-90/WS-23) will be completed and forward to NODC, Washington, DC. A cruise report will be submitted by the Chief Scientist to the NEFSC Vessel Coordinator for distribution within 20 days following the completion of the cruise.

Communications: Daily radio communications will be conducted between the vessel and KAC Woods Hole on frequency 2613.0 kHz or 6272.0 kHz if instructed.

Hazardous Material: A list of chemical material being brought aboard ship along with Material Safety Data Sheet will be given to the Master upon embarking. The scientific program is responsible for providing both required handling equipment/apparel and approved neutralizing agents needed for the safe use, storage and handling of all chemicals brought aboard.

Miscellaneous:

Watches: Vessel operations will be conducted continuously 24 hours per day. The scientific watch schedule will be eight hours "on", eight hours "off".

Meals: A scientific complement of up to 6 persons will be given meals beginning with the day of sailing extending throughout the cruise, and ending with termination of the cruise.

Personnel List (Scientific): ^{1/}

<u>Name</u>	<u>Title</u>	<u>Organization</u>
<u>Leg 1,</u>		
Anne Richards	Chief Scientist	NMFS, NEFSC, Woods Hole, MA
Paul Nitschke	Watch Chief	NMFS, NEFSC, Woods Hole, MA
Mirta Teichberg	Watch Chief	Univ. Maryland, Solomons, MD
D. Amaro	Scientist	
TBA	Scientist	
<u>Leg 2,</u>		
Steve Murawski	Chief Scientist	NMFS, NEFSC, Woods Hole, MA
Kathy Sosebee	Watch Chief	NMFS, NEFSC, Woods Hole, MA
Ursula Howson	Watch Chief	Rutgers University, NJ
D. Amaro	Scientist	Contracted scientist
TBA	Scientist	
<u>Leg 3, Southern Region</u>		
Chad Keith	Chief Scientist	NMFS, NEFSC, Woods Hole, MA
Jim Weinberg	Watch Chief	NMFS, NEFSC, Woods Hole, MA
TBA	Watch Chief	
E. Kupcha	Scientist	Contracted scientist
D. Amaro	Scientist	Contracted scientist

^{1/} The remainder of the list of scientific personnel will be provided in an Addendum.

Clearances for NOAA Charter Vessel Cruise (F/V Mary K), Cooperative Goosefish Survey.

Michael P. Sissenwine
Science and Research Director
Northeast Region

Equipment and Supply List: The following sampling and scientific equipment will be placed aboard the Charter Vessel prior to departure:

ITEM	QUANTITY	FURNISHED BY
Age and growth supplies	ample	NMFS, NEFSC, Woods Hole, MA
Feeding ecology supplies (various)	ample	" " " " "
Special sampling supplies	ample	" " " " "
Wire fish baskets, 2 bushel	10	" " " " "
1 bushel	10	" " " " "
Plastic 5 gal buckets	12	" " " " "
Marel electronic scales	2	" " " " "
Beam balance, 100 kg capacity	2	" " " " "
Dial scales, 20 kg capacity	2	" " " " "
200 kg capacity	1	" " " " "
Fish measuring boards	4	" " " " "
Polyethylene specimen bags	1,000	" " " " "
Gloves, rubberized fish	20 pairs	" " " " "
cotton	12 pairs	" " " " "
Specimen jars	ample	" " " " "
Clerical supplies (various)	ample	" " " " "
Reference books (various)	ample	" " " " "
Computer	1	" " " " "
Bottom contact sensors	2	" "
Temperature sensors	2	
Pin point system		
Depth sounder	1	Charter Vessel
Recorder paper (if needed)	ample	"

Figure 1. Area of study and possible station locations for Cooperative Goosefish Survey 26 February - 13 April, 2001.