

**Consolidation of Maryland Biological Sampling Data for Inclusion in
ACCSP Data Warehouse**

Final Report

Award Number: NA06NMF4740269

Award Period: March 01, 2006 – February 29, 2008

Reporting Period: March 01, 2006 – May 29, 2008

Recipient Name: Maryland Department of Natural Resources Fisheries
Service

580 Taylor Avenue, B-2
Annapolis, MD 21401

Investigator(s): Harley Speir
Julie Defilippi

Report Due Date: May 29, 2008

Prepared: May 14, 2008

Consolidation of Maryland Biological Sampling Data for Inclusion in ACCSP Data Warehouse Project Progress Report

Objectives

The following objectives were identified for this project:

1. To identify those databases within the Maryland Department of Natural Resources (MD DNR) system which contain fishery dependent biological sampling data.
2. To analyze the methods and circumstances of data collection to determine if they are suitable for inclusion in the ACCSP Biological Module.
3. To create a database that will permit consolidation of fishery dependent biological sampling data for Maryland.
4. Upload these data in the ACCSP data warehouse.

Project Manager

Applicants for the project manager position were interviewed on March 21, 2007, and the incumbent began employment on June 1, 2007. The project manager operated primarily out of the Maryland DNR headquarters in Annapolis, MD, with occasional visits to the ACCSP office in Washington, DC.

Activities Completed

- 1) Contact all project leaders and obtain information on available data sets.
 - a) The project manager has successfully contacted all MD DNR project leaders and obtained information on the available data sets. Maryland DNR personnel have been most cooperative and helpful. Everyone has been very responsive to requests. Continued collaboration and input will lead to the creation of a user friendly, standardized useful database.
 - b) An inventory of data sets, including storage location, file type, contact person and other characteristics was created.
- 2) Determine what datasets are suitable for inclusion in the central fishery dependent biological sampling database.

- a) Data sets were examined and their suitability for inclusion in the Biological Module was ascertained.
- b) The variable definitions and utilized code were confirmed with each project's supervising biologist.
- c) 15 data sets were collected for use in this project. (Appendix A)
 - i) 131 individual files
 - ii) 173 years of data are collectively represented
- 3) Create a database that will permit consolidation of fishery dependent biological sampling data for Maryland
- 4) Populate database with biological sampling data from MD DNR (Populated copy of database included in deliverables)
- 5) Coordinate and initiate process to create a centralized data storage system for MD DNR Fisheries Service – Maryland Fisheries Information Network (MFIN)
 - a) The project manager worked with the MD DNR staff to develop a comprehensive data dictionary for use across all projects.
 - b) Several meetings were held with MD DNR staff, one attended by ACCSP staff, to provide options and alternatives for data entry, storage and access.

Activities Conveyed to IT Support Project Manager

- 1) Due to the nature of the data collected in this project, it is not possible at this time to map all of the data to current ACCSP codes. The ACCSP staff is currently in the process of creating new codes for this purpose. When this work is complete, the data collected in this process will be mapped into ACCSP code and loaded into the data warehouse.
- 2) The MD State Coordinator and ACCSP staff will continue to work with MD DNR staff on the formation of a centralized database as requested.

Additional Notes

The project manager moved to a permanent position as Data Coordinator at the

ACCSP on November 15, 2007; however, the coordinator continued to work with MD DNR as necessary and will continue to do so in the future. Approximately half of the funds granted for this project will be used to expand the scope of the Information Technology Support for Maryland Data Collection, Storage and Transfer in Support of ACCSP Objectives project funded for the 2008 fiscal year.

APPENDIX A

Data set name	Number of Files	Dates
MD DNR American Eel Adult Population Study	2	1980-1981, 1997-Present
MD DNR Big Annemessex River Bank Trap Survey	1	1998
Headboat Survey	4	1997-2000
Upper Chesapeake Bay Yellow Perch	12	1988, 1998-2007
Summer/Fall Pound Net Tagging Data Set	14	May to November, 1992 to Present
Summer/Fall Checkstation Sampling for Pound Net and Hook and Line Commercial Fisheries	8	July, 1999 to Present
Winter Checkstation Data Sets for MD Chesapeake Bay Commercial Drift Gill Net Fisheries	2	December, 1992 to Present
Spring Striped Bass Trophy Season Survey	1	April - May, June, 2002-2006
AFC.BIO Datasets	19	1982-2000
Summer Pound Net Survey		1993-2007
Fish Ages by SC of Summer Pound Net Survey	14	2000-2006
Fish Ages by MD DNR of Summer Pound Net Survey	1	2006-Present
Commercial Offshore Trawls	1	1993-Present
Upper Chesapeake Bay Adult American Shad Data	27	1980-Present
Nanticoke Adult American Shad Data	17	1988-Present
MD DNR Atlantic Ocean Tautog Survey	8	1999-Present
Blue Crab Program	6	2002-Present
<i>TOTALS</i>	137 files	173 years