Fisheries Service, Southeast Fisheries Science Center, Pascagoula Laboratory. P.O. Drawer 1207, Pascagoula, MS 39568.

Appendix IV: List of Projects in Shrimp Fishery Bycatch Research

MARFIN and S-K (Saltonstall-Kennedy) funding for bycatch research projects, 1992-1997. Redundant titles indicate continuing or second-year projects. Principal investigator and institutional affiliation only. Names of secondary or other investigators omitted.

Anderson, W. 1992. Feasibility study of finfish excluding gear in shrimp trawls in the western Gulf of Mexico bycatch. Grant NA17FF0374-01. Gulf Shrimp Research and Development Foundation.

Anderson, W. 1993. Feasibility study finfish excluding gear in shrimp trawls in the western Gulf of Mexico bycatch. Grant NA90AAHMF44. Gulf Shrimp Research and Development Foundation.

Baltz, D. 1992. Patterns in the distribution and abundance of fishes and macroinvertebrates in a Louisiana marsh: shrimp bycatch in inshore, fishery-independent trawl samples. Grant NA17FF0263-01. Louisiana State University.

Baltz, D. 1994. Spatial and temporal patterns in the distribution and abundance of fishes and macroinvertebrates in coastal Louisiana: shrimp bycatch species in fishery-independent trawl samples. Grant NA37FF0044-01. Louisiana State University.

Baltz, D. 1995. Spatial and temporal patterns in the distribution and abundance of fishes and macroinvertebrates in coastal Louisiana: shrimp bycatch species in fishery-independent trawl samples. Grant NA37FF0044-02. Louisiana State University.

Branstetter, S. 1994. Continued implementation of high priority objectives outlined in a Gulf of Mexico and South Atlantic shrimp fishery bycatch research program. Grant NA47FF0007-01. Gulf and South Atlantic Fisheries Development Foundation.

Branstetter, S. 1997. Final implementation of high-priority objectives of a bycatch reduction research program for the Gulf of Mexico and south Atlantic shrimp fishery. Grant NA57FD0261. Gulf and South Atlantic Fisheries Development Foundation.

Branstetter, S. 1997. Summation of a multi-year program to address bycatch reduction in the Gulf of Mexico and South Atlantic shrimp fisheries. Grant NA57FF0285-01. Gulf and South Atlantic Fisheries Development Foundation Inc.

Branstetter, S. 1998. Continued efforts to reduce bycatch in the Gulf of Mexico and South Atlantic shrimp fisheries and disseminate such information to the fishing industry. Grant NA77FD0067. Gulf and South Atlantic Fisheries Development Foundation Inc.

Brown, B. 1992. Bycatch allocation. Grant 92NMFS. Southeast Fisheries Center.

Collins, M.R. 1994. Bycatch of Atlantic and shortnose sturgeons in the South Carolina shad fishery. Grant NA37FD0080-01. South Carolina Department of Natural Resources.

Coleman, F. 1994. Florida inshore shrimping: experimental analysis of bycatch reduction and a state-wide bycatch survey. Grant NA37FF0051-01. Florida State University.

Coleman, F. 1995. Florida inshore bait shrimping; experimental analysis of bycatch exclusion and capture-related mortality of selected seagrass-associated finfish species. Grant NA57FF0048-01. Florida State University.

Coleman, F. 1997. Florida inshore bait shrimping: experimental analysis of bycatch exclusion and capture-related mortality of selected seagrass-associated finfish species. Grant NA57FF0048-02. Florida State University.

Collins, M. 1995. Bycatch of Atlantic and shortnose sturgeons in the South Carolina shad fishery. Grant NA47FD0293. South Carolina Department of Natural Resources.

Collins, M. 1996. Bycatch of Atlantic and shortnose sturgeons in the South Carolina shad fishery. Grant NA67FD0032. South Carolina Department of Natural Resources.

Colura, R. 1995. The Texas shrimp industry salt-box catch separation procedure effect on bycatch survival. Grant NA57FF0047-01. Texas Parks & Wildlife Department.

Condrey, R. 1995. Bycatch in the U.S. Gulf of Mexico menhaden fishery. Grant NA47FF0020-02. Louisiana State University.

Condrey, R. 1994. Bycatch in the U.S. Gulf of Mexico menhaden fishery. Grant NA47FF0020-01. Louisiana State University.

Dameier, J. 1989. Comprehensive assessment of bycatch in Louisiana shrimp fishery. Grant NA89WCHMF006. Louisiana Department of Wildlife and Fisheries.

Dean, J. 1993. Biosocioeconomic characterization of the commercial shrimp trawler bycatch landed in South Carolina and the effect of juvenile mackerel mortality caused by the trawls on the stock of adult mackerel. Grant NA27FD0067-01. University of South Carolina.

Edwards, R.E. 1995. Reduction of billfish bycatch in longline fisheries: feasibility of gear modifications based on differences in feeding patterns. Grant NA47FF0019-01. Mote Marine Laboratory.

Edwards, R.E. 1996. Reduction of billfish bycatch in longline fisheries: feasibility of gear modifications based on differences in feeding patterns. Grant NA47FF0019-02. Mote Marine Laboratory.

Edwards, R.E. 1997. Reduction of bluefin tuna and undersize swordfish bycatch in Atlantic longline fisheries. Grant NA57FD0031. Mote Marine Laboratory.

Ehrhardt, N. 1996. Assessment and management models for coastal pelagic resources (Spanish mackerel) significantly impacted by shrimp trawler bycatch. Grant NA57FF0283-01. University of Miami

Fuls, B. 1994. Assessment of composition and magnitude of bycatch associated with the commercial shrimp trawling industry in central and lower Texas coastal bays during the spring and fall Texas commercial bay-shrimp open seasons. Grant NA37FD0083-01. Texas Parks and Wildlife Department.

Fuls, B. 1996. Assessment of composition and magnitude of bycatch associated with the commercial shrimp trawling industry on the northern and mid-Texas coast during spring and fall Texas commercial bay-shrimp open seasons. Grant NA57FD0131. Texas Parks and Wildlife Department.

Gibbs, L.L. 1990. Evaluating trawl bycatch impact on high level carnivores in pelagic environments of the western Gulf of Mexico. Grant 8X1NA89WCHSK033. Gulf Shrimp Research and Development Foundation.

Graham, G. 1996. Enhancement of shrimp retention and finfish reduction of selected bycatch reduction devices employed in the Gulf Shrimp Fishery. Grant NA57FF0281-01. Texas A&M University.

Griffin, W.L. 1992. Potential for reduction of shrimp trawl bycatch of selected finfish species in the Gulf of Mexico. Grant NA17FL0099-01. Texas A&M Research Foundation.

Griffin, W.L. 1994. Estimation of real effort in the heterogeneous Gulf of Mexico shrimp fleet (bycatch). Grant NA37FF0053-01. Texas A&M Research Foundation.

Griffin, W. 1996. Shrimp bycatch reduction impacts on the harvesting, processing, and community sectors in the Gulf of Mexico. Grant NA57FF0050-01. Texas A&M Research Foundation.

Griffin, W.L. 1997. Shrimp bycatch reduction impacts on the harvesting, processing, and community sectors in the Gulf of Mexico. Grant NA57FF0050-02. Texas A&M Research Foundation.

Griffin, W.L. 1997. Shrimp bycatch reduction impacts on the shrimp and red snapper harvesting sectors in the Gulf of Mexico. Grant NA57FF0284-02. Texas A&M

Research Foundation.

Harrington, D.L. 1993. Reduction of finfish capture in South Atlantic shrimp trawls – bycatch. Grant NA27FD0070-01. University of Georgia.

Harrington, D.L. 1995. Development and classification of devices for use in South Atlantic shrimp trawls and to classify them by size; to enhance BRD technology transfer within the commercial fisheries of the region (bycatch). Grant NA47FF0010-01. University of Georgia.

Harrington, D. 1995. Improved methods and procedures for the transfer of technology and the education of constituency groups for devices that will reduce the fish bycatch in shrimp trawls. Grant NA57FF0051-01. University of Georgia.

Harrington, D. 1996. Assessing shrimp retention and bycatch exclusion rates of new TED designs, compared to conventional TEDs, to address the capture of leatherback turtles in shrimp fisheries. Grant NA57FD0033. University of Georgia.

Hueter, R. 1996. Early life history and relative abundance of Blacktip and other coastal sharks in eastern Gulf of Mexico nursery area, including bycatch mortality of sharks and associated fishes. Grant NA57FF0034-02. Mote Marine Laboratory.

Hueter, R.E. 1997. Early life history and relative abundance of blacktip and other coastal sharks in eastern Gulf of Mexico nursery area, including bycatch mortality of sharks and associated fishes. Grant NA57FF0034-03. Mote Marine Laboratory.

Jamison, J. 1991. Evaluation of incidental finfish catch by two types of shrimp nets – bycatch. Grant NA90AAHSK006. Gulf and South Atlantic Fisheries Development Foundation.

Jamison, J. 1991. Gear development to improve management of commercial fisheries in North Carolina bycatch. Grant 9X1NA90AAHSK052. Gulf and South Atlantic Fisheries Development Foundation.

Jamison, J. 1992. Gear development to reduce bycatch in the North Carolina trawl fisheries. Grant 9X2NA90AAHSK052. Gulf and South Atlantic Fisheries Development Foundation.

Jamison, J. 1993. Strategic planning, data collection, and gear evaluation for the management of bycatch in the directed commercial fisheries of the Gulf of Mexico. Grant NA17FF0233-01. Gulf and South Atlantic Fisheries Development Foundation.

Jamison, J. 1993. Organization and management of a Gulf of Mexico and South Atlantic ocean fishery bycatch management program. Grant NA17FD0103-01. Gulf and South Atlantic Fisheries Development Foundation.

Jamison, J. 1993. Development of statistical methods to incorporate uncertainty of bycatch in stock assessment methods of directed finfish fisheries. Grant NA27FD0072-01. Gulf and South Atlantic Fisheries Development Foundation.

Jamison, J. 1994. Organization and management of Gulf of Mexico and South Atlantic ocean fishery bycatch management program (Year 2). Grant NA37FD0032-01. Gulf and South Atlantic Fisheries Development Foundation.

Jones, R.P. 1991. An international conference on the reduction of bycatch in shrimp trawling operations and alternative harvesting methods for the shrimp fishery. Grant 0X1NA90AAHMF745. Southeast Fisheries Association Inc.

Jones, R.P. 1993. An international conference on the reduction of bycatch in shrimp trawling operations and alternative harvesting methods for the shrimp fishery. Grant 0X2NA90AAHMF745. Southeast Fisheries Association Inc.

Klima, E. 1989. Evaluation of the impacts of TEDs on shrimp, catch rates, and bycatch in Gulf of Mexico. Grant 89NMFS05. NMFS Galveston Laboratory.

Klima, E. 1991. Evaluation of the impacts of bycatch excluder devices (BEDs) on finfish and shrimp catch rates in the Gulf of Mexico. Grant 91NMFS05. NMFS Galveston Laboratory.

Macinko, S. 1993. Investigation of the basic bioeconomic dynamics of bycatch problems in Gulf of Mexico fishery management. Grant NA27FD0068-01. Seth S. Macinko.

Matthews, T. 1996. Trap induced mortality and incidental bycatch of reef fish in wood and wire spiny lobster traps in South Florida. Grant NA57FF0292-01. Florida Department of Environmental Protection.

McKenna, S. 1995. Evaluation of trawl efficiency devices/bycatch reduction devices in estuarine and nearshore waters of North Carolina. Grant NA47FF0016-01. North Carolina Department of Environment, Health & Natural Resources.

Monaghan, J. 1996. Reduction of bycatch in North Carolina otter trawl fisheries. Grant NA47FD0298. North Carolina Department of Environment, Health & Natural Resources.

Murray, J.D. 1990. Lab and field experiments of three finfish separator devices to reduce bycatch in the shrimp fishery. Grant NA90AAHSK048. North Carolina State University.

Murray, J.D. 1992. Development and evaluation of finfish separator device and TED combinations to reduce bycatch in the shrimp fishery. Grant NA17FD0101-01. North Carolina State University.

Murray, J.D. 1992. Introduction of the skimmer trawl to reduce bycatch and incidental capture of sea turtles in inshore waters. Grant NA17FD0104-01. North Carolina State University.

Murray, J.D. 1994. A program to distribute and evaluate bycatch reduction devices in inshore waters of North Carolina. Grant NA37FF0038-01. North Carolina State University.

Murray, J.D. 1994. Introduction of larger mesh webbing in the belly and wings of traditional shrimp trawls to reduce bycatch in inshore waters. Grant NA37FD0088-01. North Carolina State University.

Murray, J. 1996. Skimmer trawl modifications to reduce bycatch in the inshore brown and pink shrimp fishery in North Carolina. Grant NA57FD0130. North Carolina State University.

Nance, J.M. 1993. Shrimp trawl fishery bycatch characterization study. Grant 93NMFS20. NMFS Galveston Laboratory.

Nance, J.M. 1994. Shrimp bycatch characterization research. Grant 94MF1H08. NMFS Galveston Laboratory.

Nance, J. 1995. Shrimp bycatch reduction device evaluation research. Grant 95MFIH19.NMFS Galveston Laboratory.

Nance, J.M. 1996. Shrimp bycatch research in the southeastern shrimp fishery. Grant 96MF1H02. NMFS Galveston Laboratory.

Nichols, S. 1991. Gear development for bycatch reduction. Grant 01NMFS09. NMFS Mississippi Laboratory.

Powers, J. 1994. Analysis of the longline fishery effort, catch and bycatch in the southwestern Atlantic and Gulf of Mexico. Grant NA37FF0040-01. Louisiana State University.

Rice, J. 1996. Population level impacts of shrimp trawl bycatch on Atlantic croaker in the South Atlantic: estimating growth and mortality of late juveniles. Grant NA57FF0299-01. North Carolina State University.

Rice, J.A. 1997. Population level impacts of shrimp trawl bycatch on Atlantic croaker in the South Atlantic: Estimating growth and mortality of late juveniles. Grant NA57FF0299-02. North Carolina State University.

Rogers, B. 1992. Evaluation of shrimp trawls designed to reduce bycatch in inshore waters of Louisiana. Grant NA17FF0375-01. Louisiana State University.

Rogers, B. 1993. Evaluation of shrimp trawls designed to reduce bycatch in inshore waters of Louisiana. Grant NA17FF0375-02. Louisiana State University.

Rogers, D. 1995. The behavior of fish and shrimp in relation to trawl modifications to reduce shrimp trawler bycatch. Grant NA57FF0049-01. Louisiana State University.

Rogers, D. 1997. The behavior of fish and shrimp in relation to trawl modifications to reduce shrimp trawler bycatch. Grant NA57FF0049-02. Louisiana State University.

Scholz, P.M. 1992. Bioeconomic characterization of the commercial shrimp trawler bycatch landed in McClellanville, South Carolina and socioeconomic description of local bycatch consumers. Grant NA17FD0109-01. University of South Carolina.

Seidel, W. 1990. Shrimp trawl bycatch reduction. Grant 90NMFS07. NMFS Mississippi Laboratory.

Seidel. W., and J.M. Nance. 1993. Shrimp trawl bycatch reduction. Grant 93NMFS18. NMFS Mississippi Laboratory.

Seidel, W., J. Watson, and J. Nance. 1994. Shrimp trawl bycatch reduction. Grant 94MF1H10. NMFS Mississippi Laboratory.

Seidel, W., and J. Watson. 1995. Shrimp trawl bycatch reduction. Grant 95MFIH13. NMFS Mississippi Laboratory.

Seidel, W., and J. Watson. 1996. Shrimp trawl bycatch reduction. Grant 96MF1H01. NMFS Mississippi Laboratory.

Storck, T. 1994. Characterization of finfish bycatch of private boat recreational anglers in Texas marine waters. Grant NA37FD0084-01. Texas Parks and Wildlife Department.

Thomas, S. 1994. Decision-making by shrimp fishermen as reasoned action: behavioral determinants of bycatch characteristics and projected effects of bycatch regulations on labor decisions. Grant NA37FF0049-01. University of South Alabama.

Thomas, S. 1995. Decision-making by shrimp fishermen as reasoned action: behavioral determinants of bycatch characteristics and projected effects of bycatch regulations on labor decisions. Grant NA37FF0049-02. University of South Alabama.

Wallace, R.K. 1991. Documentation of bycatch from small inshore shrives and evaluation of bycatch reduction devices. Grant NA90AAHSK120. Auburn University.

Ward, J. 1991. Economic analysis of finfish bycatch in the Gulf of Mexico shrimp

fishery. Grant 91NMFS04. Southeast Regional Office.

Ward, J. 1992. Economic analysis of finfish bycatch in the Gulf of Mexico shrimp fishery. Grant 92NMFS11. NMFS, Southeast Regional Office, St. Petersburg, FL.

Wilson, C. 1990. Application of pelagic longline data in reducing billfish bycatch and resource monitoring. Grant NA89WCHMF013. Louisiana State University.