CATEGORY	ST	FIRST	LAST	OTHER AUTHORS	TITLE	ABSTRACT
Bycatch Reduction / Cooperative Research	AK	SUNNY	RICE	T. Baker, P. Cullenberg	Field Evaluations of Seabird Deterrent Gear and Alternatives for Alaska Small Longline Vessels	With funds provided by the United States Fish and Wildlife Service, the Alaska Sea Grant Marine Advisory Program completed a project to address the needs of small longline vessels encountering seabirds in Alaskan waters. Building on work by Ed Melvin of Washington Sea Grant, this project tested a variety of gear and techniques for deterring seabird attacks on baited longline hooks
Bycatch Reduction / Cooperative Research	CA	PETER	NELSON	Vernon P. Scholey, Robert J. Olson, and Daniel Margulies	The behavioral response of captive yellowfin tuna (Thunnus albacares) to bycatch reduction devices for commercial purse seine fisheries.	The incidental capture of small fishes in commercial tuna purse seine fisheries has conservation, management and practical consequences. We collected pertinent morphometric data on yellowfin tuna (Thunnus albacares) to aid in the design of experimental versions of sorting grids, devices intended to facilitate the live release of small fishes while retaining larger, commercially-valuable tunas from purse seines. We investigated the behavioral response of captive yellowfin to grid designs, comparing the frequencies with which yellowfin passed through sorting grids, while varying the color, orientation and design of a rigid grid design. A vertical orientation and white coloration increased passage frequency. A transparent PVC panel with oblong holes, similar to those used in an experimental salmon purse seine fishery, was also readily traversed by fish, while a semi-flexible cable grid as well as an array of rigid rings sewn directly into purse seine webbing performed comparatively poorly. We also found that a bubble curtain showed strong potential.
Bycatch Reduction / Cooperative Research	FL	LEROY	CRESWELL		The Gulf and Caribbean Fisheries Institute: A Regional Forum for Information Exchange among Marine Resource Managers and Users	Founded in 1947, the Gulf and Caribbean Fisheries Institute is dedicated to advancing the goals of sustainable use, wise management, conservation, and restoration of fisheries and marine resources in the Gulf of Mexico and Caribbean region. The Gulf and Caribbean Fisheries Institute seeks to achieve these goals by providing a forum for the exchange of information and perspectives among decision-makers, scientists, managers, educators, students, and resource users. The annual GCFI Institute provides a scientific forum for exchanging information on current and planned research and management in the region. Oral and poster papers presented at the Institute are published in the annual GCFI Proceedings, as well as peer-reviewed publications associated with special sessions.

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Bycatch Reduction / Cooperative Research	NH	PINNGGUO	HE		Engaging and empowering fishermen through cooperative research and training	Engaging fishing industry participants is the key to successful management and sustainable utilization of the fisheries resource. Cooperative research involving fishermen and scientists can not only fill research needs by employing fishing vessels as research platforms and fishermen as collaborators, but also build trusts and share values and experience between partners. Results from cooperative research are often more practical and have better chance of being adopted in the industry. This presentation will give some examples of research and training projects carried out by the New Hampshire Sea Grant in cooperation with fishermen from the northeast of United States.
Bycatch Reduction / Cooperative Research	OR	FLAXEN	CONWAY		Oregon SG Port Liaison Project	The Port Liaison Project (PLP) is a collaborative effort of Oregon Sea Grant, Northwest Fisheries Science Center, the commercial fishing community, and the Cooperative Institute for Marine Resource Studies. The PLP's goal is to support the success of cooperative research and, by doing so, move toward true collaborative research. The PLP successfully links the vast knowledge and expertise of the commercial fishing community with already-funded fisheries or oceanography research, thereby building relationships and trust between the industry and researchers.
Bycatch Reduction / Cooperative Research	OR	STEPHEN	THEBERGE		Symptoms of pressure damage and methods for release that increase fish's chance of survival.	Sponsoring workshops on the use of selective flatfish trawls and working with recreational and commercial fishers to reduce mortality of released rockfish.
Bycatch Reduction / Cooperative Research	OR	KAETY	HILDENBRAND		Scientists and Fishermen Exchange (SAFE)	SAFE is a comfortable venue where geninue discussion and information exchange builds understanding, respect, and relationships between today's - and tommorrow's - commercial fishermen and fisheries and ocean researchers. SAFE has been able to help avoid potentially huge conflicts between fishermen and researchers, by allowing a place for information to be exchanged. Several collaborative research projects have also come from these meetings.

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Bycatch Reduction / Cooperative Research	OR	KAETY	HILDENBRAND		Sea Safety Training for Researchers and Students	This one day course is designed specifically for researchers and students to acquaint them with various safety measures and protocal when faced with emergencies at sea. Oregon Sea Grant has been training commercial fishermen in marine safety for over twenty years. In 2001, they faced a growing need for scientists and students to take a shorter version of the course, so they developed new course materials, specifically to meet the needs of research facilities and departments.
Bycatch Reduction / Cooperative Research	OR	KAETY	HILDENBRAND		Marine Experience Program	"You can have people retire from the management community without the experience these kids have had" - Department head of OSU's Fisheries and Wildlife department. This program is designed to provide students with hands-on at-sea and shore-side experience working with fishermen, fisheries managers, and marine educators who are intimately involved with the fishing industry and at-sea marine education. The goal is to provide students with a comprehensive, hands-on, insider's perspective into these industies and occupations.
Bycatch Reduction / Cooperative Research	VA	CHRIS	HAGER		Sturgeon Bycatch in Virginia's Striped Bass Gill Net Fishery	Atlantic sturgeon (*Acipenser oxyrinchus*) once supported a valuable commercial fishery on the east coast; today however, due to extreme stock declines the species is on the brink of being placed on the endangered species list. NMFS observer data suggests that 85% of Virginia's sturgeon bycatch occurs in anchored gill nets and 22% of these interaction result in mortality. The striped bass fishery is Virginia's largest gill net fishery and the majority of effort expended coincides with the anadromous sturgeon's spring migrations into the bay. The objectives of this study were to evaluate sturgeon interactions in the striped bass fishery and track fish through mark recapture methodology and internal sonic tags in an effort to collect data necessary to develop spatial, temporal, and/or gear alteration techniques to reduce sturgeon bycatch mortality and to engage Virginia's commercial fishermen in the proactive collection of this data.

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Bycatch Reduction / Cooperative Research	VA	DAVID	RUDDERS	William D. DuPaul, Ronald J. Smolowitz	Industry Trials of a Sea Scallop Dredge Modified to Minimize the Catch of Sea Turtles	In response to increasing numbers of sea turtle interactions observed by the sea scallop industry and subsequently corroborated by NMFS observers, a series of 15 experimental cruises were carried out during the summer and early fall of 2003 and summer of 2004 on the continental shelf waters of the mid-Atlantic Bight. The objective of the cruises was to examine the efficacy of a modified commercial sea scallop dredge designed to reduce the bycatch of sea turtles in the sea scallop fishery. Results indicate that the modification was successful in eliminating the bycatch of turtles with relatively small reductions in the catch of the target species.
Bycatch Reduction / Cooperative Research	WA	KIM	DIETRICH		Solving Seabird Bycatch in Alaskan Fisheries	Seabird mortality in fisheries is a worldwide marine conservation problem. Washington Sea Grant has collaborated with fishers and management agencies to test a variety of mitigation devices in a variety of Alaska fisheries. An overview of our results and outcomes to date will be presented.
Economies & Infrastructure of Coastal Communities	AK	TORIE	BAKER	S. Rice, P. Cullenberg, T. Johnson, D. Garza	Extension Response to A Market Crisis in Alaska Wild Salmon Fisheries: Trade Adjustment Assistance (TAA) in Alaska	Wild salmon fish prices in Alaska have been negatively impacted by import pressure from increased farmed world salmon production. In 2004 and 2005, Alaska Sea Grant faculty provided technical business assistance workshops to over 4,000 fishermen and crew applying for USDA Trade Adjustment Assistance benefits. The outreach team went the distance to bring resouces, training options and financial business planning resouces to applicants via mandatory in-person workshops held mostly in remote, roadless communities across rural Alaska. While less than 20 percent of applicants recieved benefits, nonetheless a $5.8 million infusion into local ecomonies was realized through the program at a time when salmon prices were low.
Economies & Infrastructure of Coastal Communities	FL	CHUCK	ADAMS		The Economic Consequences of Red Tide Events on the Gulf Coast of Florida, USA.	The economic impacts of red tide events in Florida were measured. These events exact economic damages on local businesses. Information is now available on a red tide bloom that impacted NW Florida, while studies are on-going for SW Florida.

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Economies & Infrastructure of Coastal Communities	FL	CHUCK	ADAMS		Using Beachfront Restaurant Sales in Southwest Florida to Determine the Localized Impacts of HAB Events	Losses to local restaurants in the SW Florida region are measured. Data were obtained from several local firms. Estimated impacts will be used to develop regional impacts of red tides in the SW Florida area.
Economies & Infrastructure of Coastal Communities	FL	CHUCK	ADAMS		Red Tide Events and Tourism in Coastal Florida	Red tide events have impacted patronage in local businesses and participation in water-related activities. The manner in which individuals react to red tides varies. These findings suggest further education about red tides is needed.
Economies & Infrastructure of Coastal Communities	LA	GLENN	THOMAS	Hamady Diop; Rex Caffey; Mike Liffmann	Infrastructure Damage Assessment Post "Kat-Rita" by Louisiana Fishing Community Rebuilding Coalition	In August and September 2005, Hurricanes Katrina and Rita devastated the infrastructure and livelihoods of commercial and recreational fishers along the northern Gulf. The Louisiana Fishing Community Rebuilding Coalition has a three-fold charge: 1) *documenting impacts* of storm-related damages to Louisiana's coastal fishing industries by utilizing best available data; 2) *developing requests* to specific funding sources, for the Governor's consideration, to assist in the recovery of commercial and recreational fishing sectors; and 3) *recommending allocation* mechanisms for financial aid that are sound and proportional to the physical and economic geography of storm damages. Preliminary estimates indicate that infrastructure damage range between $393 and $943 million.
Economies & Infrastructure of Coastal Communities	OR	FLAXEN	CONWAY		OR, WA, CA Groundfish Disaster Outreach Project	While federal responses to fisheries disasters cost the US government millions of dollars each year, they are rarely researched and poorly understood. There has been, as of yet, no comprehensive cataloguing of the socio-economic responses to the 2000 federally-declared West Coast groundfish disaster, nor has there been an assessment of how well each state's (WA, OR, CA) program worked. The goal of this project was to document the states' responses to the disaster, explore useful comparisons, and extract possible lessons-learned.

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Economies & Infrastructure of Coastal Communities	OR	FLAXEN	CONWAY		Communication between the Oregon Commercial Fishing Communuty and the Fisheries Management Community	This poster is based on two separate but related research projects. The first project examined communication and understanding between Oregon's fishing and fisheries management communities. The second project explored obstacles to gathering and communicating about social and economic data, and the reasons behind fishing community members' reluctance to participate in socioeconomic research.
Economies & Infrastructure of Coastal Communities	OR	FLAXEN	CONWAY		Communication between the Oregon Coastal Marine Recreational Fishing Communuty and the Fisheries Management Community	As marine fishery resources in Oregon decline and demand by user groups increases, coastal fishing communities face more and more regulations and this leads to increased interaction between management agencies and user groups (frequently occurring through formal public involvement methods and informal interactions; communication is at the core of these interactions). This study explored the current state of communication within and between Oregon's coastal marine recreational community and the fisheries management community. This poster focuses on identified factors which affect communication between these communities, and potential improvements to current communication.
Fish Management, Rehabilitation & Enhancement	FL	JOHN	STEVELY		Fish Venting: Treating Fish With Ruptured Swim Bladders.	An easily used tool was developed for treating reef fish with ruptured swim bladders. An educational program was conducted that documented the adopiton of fish venting practices by fishers. A fish venting tool is now available in the market place.
Fish Management, Rehabilitation & Enhancement	OH	DAVE	KELCH	Fred L. Snyder, Jeffrey M. Reutter	Lake Eire's Artificial Reef Program:Improving Coastal Recreational Benefits Through Fish Habitat Development	Artificial reefs were constructed by Ohio Sea Grant from 1984-1989 in Lake Erie's Central Basin as fish enhancement devices. Underwater video research, from 1992-1995, determined these artificial reefs concentrated fish 20-50 times higher than non-reef control sites. Smallmouth bass were the dominate species. Results from this project encouraged additional artificial reef development in 1997-98 (City of Cleveland) and the State of Illinois offshore of Chicago during 1999.
Fish Management, Rehabilitation & Enhancement	OR	STEPHEN	THEBERGE		Releasing Rockfish suffering from pressure damage	Symptoms of pressure damage and methods for release that increase fish's chance of survival.

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Fish Management, Rehabilitation & Enhancement	RI	LAURA	SKROBE	Kathleen Castro, David Beutel, Laura Skrobe, and Barbara Somers	Shell Disease in American Lobsters	There has been a recent (since 1997) outbreak of epizootic shell disease in the American lobster stocks in Southern New England. The Rhode Island Sea Grant (RISG) Fisheries Extension Program has been involved in the monitoring and outreach components of the epidemic. Three million dollars of research funding was recently obtained from the US Congress and is being managed by RISG.
Fish Management, Rehabilitation & Enhancement	VA	DAVID	RUDDERS	William DuPaul and Noëlle Yochum	Rotational Area Management in the Northwest Atlantic Sea Scallop Fishery: Are current management strategies flexible enough?	Limiting fishing activities in certain areas has gained support as a method to conserve and enhance marine resources. Amendment #10 to the Sea Scallop Fishery Management Plan formally established area rotation as a regulatory strategy to protect aggregations of pre-recruit scallops to optimize gains in yield-per-recruit. We examined the flexibility of the criterion for rotational area management and various spatial and temporal harvesting strategies to optimize fishery yields and minimize non-harvest mortality.
Fish Management, Rehabilitation & Enhancement	VA	MIKE	OESTERLING		Preliminary Investigations on the Use of Cultured Cobia (Rachycentron canadum) for Stock Enhancement Within Chesapeake Bay, Virginia	The cobia is one of the most conspicuous and sought after big game fish during the summer months in lower Chesapeake Bay. Cultured cobia have been tagged and released to evaluate the potential for stock enhancement and to collect information on the performance of cultured cobia within the natural environment. Tag and recapture data will be presented describing geographic distribution, ecosystem integration, growth in the wild, association with wild fish and site fidelity for cultured cobia.

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Leadership Development	MI	BRANDON	SCHROEDER	, S. L. Dann, G. Habron, J. Keith, J. Schwartz, and R. Sturtevant	The Great Lakes Fisheries Leadership Institute (GLFLI): An Extension Program's Impacts in Relation to Regional Sea Grant and Michigan Participants' Expected Learning Outcomes	In 2003-04, the Great Lakes Sea Grant Network piloted the Great Lakes Fisheries Leadership Institute (GLFLI), an intensive adult fisheries Extension education program funded through the National Sea Grant Fisheries Extension Enhancement initiative. The program was designed to provide emerging citizen fishery leaders with the knowledge and skills to effectively interact with fishery management organizations for the benefit of the fishery and its stakeholders. This evaluation applies quantitative and qualitative methods to describe the effectiveness of the program's content and delivery among Michigan participants, as well as evaluating program impacts related to participant application of their GLFLI learning experience as engaged fisheries leaders.
Leadership Development	NC	SARA	MIRABILIO	Jack Thigpen, Michael Paolisso	Utilization of Collaborative Learning and Cultural Models to Advance Management of the Albemarle Blue Crab Fishery	This project married cultural model information from Dr. Michael Paolisso's (2002) study, which used ethnographic data collected from Maryland watermen to identify their cultural model for managing the blue crab fishery, with a larger collaborative learning approach for use in North Carolina's Albemarle blue crab fishery. In this process, blue crab fishery stakeholders (commercial crabbers/dealers, university researchers, fishery managers, and non-governmental environmental organizations) exchanged information via three dialogue workshops. Through these, stakeholders were able to 1) establish a commitment to working together, creating workshop protocols and group covenant; 2) summarize all issues and interests related to management of the fishery in the Albemarle region, NC; 3) define a shared problem and goal; and 4) outline implementable actions that would foster continued communication between stakeholders and work towards creation of a sustainable commercial blue crab fishery in the Albemarle region.

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Leadership Development	NH	RACHEL	GALLANT		Northeast Consortium: Building partnerships and delivering data for fisheries and ocean management	The Northeast Consortium was created in 1999 to encourage and fund cooperative research and monitoring projects within the Gulf of Maine and Georges Bank, which involve effective, equal partnerships among fishermen, scientists, and other stakeholders. More than 170 cooperative research projects have now been funded, involving over 200 scientists, 350 fishermen, and 30 industry organizations or businesses on topics such as the design and testing of selective fishing gear, fisheries stock assessments, fish habitats, effectiveness of management measures such as closed areas and harvest limits, and the socioeconomic aspects of fishing. Cooperative research is having a significant, positive impact on fishing communities and on the level of trust between fishermen, scientists, and fisheries managers.
Leadership Development	OH	DAVE	KELCH	Frank Lichtkoppler, Fred.Snyder, David Kelch, Kelly Riesen, , John Hageman, JeffReutter	Ohio's Great Lakes Fishery Leadership Institute	Ohio Sea Grant has developed and conducted two Great Lakes Fishery Leadership Institute (GLFLI) workshops during 2003 and 2006. The purpose of the two day, GLFLI workshop is to help emerging fishery opinion leaders gain a better understanding of the fishery resources of Lake Erie. This continuing program resulted from a Great Lakes Sea Grant Network initiative which secured competitively awarded National Sea Grant fisheries extension enhancement funding

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Program Descriptions	CA	PAUL	OLIN		California Sea Grant - National Fisheries Extension Enhancement Initiative	This poster covers fisheries extension programming of the California Sea Grant Extension program and accomplishments resulting from the National Fisheries Extension Enhancement Initiative. Fisheries projects include resource assessments of recreationally fished razor clams, bycatch reduction in the tuna purse seine FAD fishery, assessing Pacific Northwest seabird mortality, evaluating control methods for invasive Chinese mitten crabs and balancing human health needs with harvest of pharmaceutically important marine natural products from the giant keyhole limpet. Investigations into the human dimensions of fisheries have included assessing risk to Santa Cruz wharf anglers from exposure to domoic acid toxins, measuring socioeconomic Impacts of changing fisheries management on fishing communities, documenting marine protected area benefits for recreational fishers of calico bass, and projects to improve markets, identify infrastructure needs of the fishing community, and enhance collaborations between scientists and the commercial fishing community.
Program Descriptions	CA	PAUL	OLIN		California Sea Grant Extension Program - Fisheries Extension	This poster describes fisheries extension programs conducted by California Sea Grant Extension personnel to enhance understanding of commercially fished species and improve fishery management. Projects include a long-term assessment of New Zealand's quota management system and a technical exchange study tour involving fishermen and managers from both countries, collaborative fisheries research to investigate the relationship between estimates of relative and absolute abundance and document effects of increased fishing pressure in targeted areas resulting from large scale groundfish closures in nearby waters beyond the 20 fathom isobath. Better management of salmon in the Klamath and Smith Rivers and restoration of endangered coho salmon in the Russian River are projects underway to conserve and restore these important fishery resources.

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Program Descriptions	GA	KEITH	GATES		Georgia Program	The Georgia program serves as a national leader in the development and use of commercially acceptable Turtle Excluder Devices, TEDs, for the nation's shrimp fishery. MAREX administered $3.3 million in Federal disaster relief funds allocated to Georgia's shrimp fishery which included direct payments to industry members, organizing the Wild Georgia Shrimp Certification Program (GSCP), developing the Georgia Wild Shrimp training manual, and serving as a member of the regional Wild American Shrimp (WASI) Mark of Quality Program Team. A fishery specialist designed and built three tidal powered clam upwellers for coastal Georgia's inshore commercial clam aquaculture operations, Georgia's only expanding fishery.
Program Descriptions	NC	M. SCOTT	BAKER, JR	AMBER VON HARTEN, RICHARD VENDETTI, CHARLES ADAMS	Sea Grant Fisheries Extension Activities in North Carolina, South Carolina, Georgia and Florida: Regional Coordination Project	Sea Grant extension specialists from the Southeast U.S. (NC, SC, GA, and FL) hosted a meeting June 22-23, 2005 in Savannah, GA to identify ongoing fisheries extension and outreach efforts in the region. The goals of the workshop were to initiate a working dialogue with the other agencies that participate in fisheries outreach and extension activities in the South Atlantic region and explore possible cooperative outreach and extension efforts between NOAA/NMFS and Sea Grant on issues related to commercial and recreational fisheries. Of the thirteen topics identified as topics of mutual concern for all agencies, four issues were identified that would benefit the most from regional collaboration: ethical angling, bycatch, fisheries management education, and public access.
Program Descriptions	NY	ANTOINETTE	CLEMETSON		Partnerships in Marine Education: A Win-Win	Partnerships are key to the way NYSG does business across all it's programing. While many agencies and organizations try to deal with the issues and problems of NY's coastal regions, most do not have adequate staffing nor funding for the immense task. Two partnerships will be described to illustrate the advantages of NYSG's proactive partnerships that benefit other organizations and the coastal residents.

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Program Descriptions	RI	LAURA	SKROBE	Kathleen Castro, David Beutel, Laura Skrobe, and Barbara Somers	Finding Solutions Together: Combining Outreach and Research to Resolve Bycatch Issues in the Southern New England Fisheries	One of the key missions of the Rhode Island Sea Grant (RISG) Sustainable Fisheries Extension Program is to engage and enable stakeholders to play critical roles in science and management of the fisheries; this is accomplished through research, education, and outreach. The research component involves conducting applied collaborative research on issues that elucidate processes and link solutions with the effective science and management of the resource and the fisheries. Outreach projects provide stakeholders the ability to input their knowledge into the process as well as receive information from various other organizations on fisheries science and management.
Program Descriptions	SC	AMBER	VON HARTEN		SC Sea Grant Extension	SC Sea Grant Extension, along with other state and federal partners, responded to the state's shrimp industry crisis through providing needed research and extension programming on various topics to include marketing, branding, shrimp quality, and economic assistance. Additional programmatic activities for fisheries extension with additional commercial fisheries and recreational fisheries are given in this poster.
Public Education	OH	KELLY	RIESEN		Youth and Women Hooked by Fisheries Extension Enhancement Efforts in Ohio	Lake Erie's sport fishery is valued at $500 to $750 million per year. Participation in sport fishing has been declining in Ohio since the late 1980s due to environmental changes in Lake Erie and changes in the social behaviors of people. Fisheries Extension Enhancement efforts in Ohio address this downward trend through seminars and special programs that encourage participation in fishing by all, but especially by women and youth.
Public Education	OH	FRED	SNYDER		The Lake Erie Discussion Board	The Web-based Lake Erie Discussion Board was developed in 2003 by Ohio Sea Grant to give Lake Erie users personal answers to fisheries and resource questions and to allow them to share their comments. Since January 2006, the discussion board has averaged 47,600 hits per month. This high level of readership turns each discussion thread into a far-reaching extension teaching tool.

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Seafood Marketing	AK	LIZ	BROWN		Helping Bristol Bay Salmon Fishermen Increase Profits	Salmon fishing is the base of the economy for the people of the Bristol Bay region of Southwest Alaska. Decreasing prices and increasing costs have led fishermen to look at processing and/or marketing their own catch rather than selling to large processors. A series of workshops provided information to help fishermen decide whether to invest in marketing and processing or continue with the status quo, with each workshop evaluation suggesting the next action.
Seafood Marketing	MI	CAROL	SWINEHART	Ronald E. Kinnunen, Charles Pistis, John D. Schwartz	Michigan's Commercial Fisheries Marketing and Product Development	Loss of traditional markets, foreign competition, changes in regulatory requirements, ecological change, and fish population dynamics have impacted the marketability and competitiveness of Michigan's wild caught Great Lakes whitefish. In partnership with fishery stakeholders, Michigan Sea Grant's Fisheries Extension Enhancement funded project is assessing the Michigan whitefish market, improving quality control and product consistency, enhancing cooperative initiatives among disparate segments of the industry, developing value added products, identifying and cultivating new markets, enhancing consumer awareness and creating a brand identity for whitefish products. So far, the project has brought all segments of Michigan's commercial fishery together, for the first time. An industry steering committee has developed an action plan to create marketing opportunities. Other project efforts include developing a quality assurance certification guideline, consumer product testing, being featured on an Emmy Award-winning television program and creating marketing tools.
Seafood Processing	LA	A.	CHAWLA	J.W. Bell, and J.E. Marlene	Optimization of ozonated water treatment to improve product quality, safety and shelf life of domestic wild-caught shrimp.	The goal of this research is to evaluate the use of ozonated water as a sanitizer in shrimp processing and determine an optimal time-concentration for product treatment. Three different ozone concentrations (1, 2 and 3 ppm) with three different contact times (20, 40 and 60 seconds) were used for each of the two application types. The soaking treatment at 3 ppm dissolved ozone resulted in greater bacterial reduction of peeled shrimp meat than any other treatment, and will be used to further investigate potential improvements in shelf life and pathogenic bacteria reduction.

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Seafood Processing	LA	A.	CHAWLA	J.W. Bell, J.E. Marlene, and J.P. Schwab	Use of an optimized ozone treatment to improve quality and safety of peeled shrimp meat.	The goal of this research is to use an optimized ozone soak treatment to process peeled shrimp meat harvested in the Gulf of Mexico. Increased microbial destruction in the treated shrimp meat was determined using aerobic plate counts (APC). Pathogen destruction was evaluated using a *Listeria monocytogenes* inoculation study. Chemical changes were also monitored, including lipid oxidation using the TBARS test and bioamine content (putrescine and cadaverine) using gas chromatography. Sensory quality changes were evaluated using consumer sensory testing.