

Sea Grant Strategic Plan Project Classifications

I. ECONOMIC LEADERSHIP

A. *Advanced Technology for Commercial Products and Processes*

Commercial Biotechnology

- (11) Molecular Genetics
- (12) Natural Products: Chemistry and Biological Activity
- (13) Bioprocessing, Bioreaction, Cell and Tissue Culture

Environmental Technology

- (21) Enhancement of Environmental Monitoring and Assessment
- (22) Pollution Control and Prevention
- (23) Remediation

B. *Seafood Production*

Revitalize the Nation's Commercial Fisheries

- (31) Ecosystem-Based Management
- (32) Anticipating Social and Economic Impacts
- (33) Minimizing By-catch
- (34) Enhancing Wild Stocks through Aquaculture

Develop Sustainable U.S. Aquaculture

- (41) Administration and Coordination
- (42) Developing and Improving Grow-out Systems
- (43) Improving Husbandry
- (44) Enhancing Aquaculture through Biotechnology

Enhance Competitiveness through Advances in Seafood Technology

- (51) Product Quality and Safety
- (52) Processing Technology and Practices
- (53) Waste Management and Byproduct Recovery
- (54) Product Development

C. *Coastal Economic Development*

Coastal Business Development

- (61) Fishing Industries
- (62) Coastal Recreation Businesses
- (63) Marine Trades Industry

Coastal Community Development

- (71) Coastal Tourism Development
- (72) Communities in Transition
- (73) Coastal and Waterfront Redevelopment
- (74) Ports and Harbors
- (75) Planning and Decision-Making Information

Revitalizing Marine Infrastructure

- (81) Inspection and Condition Surveys
- (82) Environmental and Operational Loadings
- (83) Structure Performance Assessments
- (84) Rehabilitation, Repair, and Recycling Procedures

II. COASTAL ECOSYSTEM HEALTH AND PUBLIC SAFETY

A. *Coastal Ecosystem Health*

Coastal and Great Lakes Water Quality

- (91) Toxics
- (92) Biological Contaminants
- (93) Nutrients
- (94) Sedimentation
- (95) Biotoxins/Harmful Algal Blooms
- (96) Non-point Source Pollution
- (97) Chemical and Oil Spills

Coastal and Great Lakes Habitats

- (101) Habitat Structure and Function
- (102) Habitat Restoration
- (103) Aquatic Nuisance Species
- (104) Cumulative Impacts

Sustainable Development

- (111) Socioeconomic Dimensions of Environmental Change
- (112) Coastal Management Policy Tools
- (113) Multiple Use Management and Conflict Resolution
- (114) Water Availability
- (115) Cumulative Impacts

B. *Public Safety*

Coastal and Natural Hazards

- (121) Severe Storms
- (122) Earthquakes and Tsunamis
- (123) Coastal Planning and Building Construction Techniques
- (124) Shoreline Processes and Erosion

Safety at Sea

- (131) Vessel Stability Research
- (132) Equipment Design and Testing
- (133) Survival and Safety Training
- (134) Recreational and Commercial Diving

III. EDUCATION AND HUMAN RESOURCES

A. *Education*

- (141) Education - Pre-College
- (142) Education - University
- (143) Education - Informal

B. *Marine Advisory Service*

- (151) Marine Advisory Service - Core
- (152) Marine Advisory Service - Special Projects

C. *Communications*

- (161) Communications - Core
- (162) Communications - Special Projects