

**APPENDIX IV: FY 2009 S-K APPLICATIONS RECOMMENDED FOR FUNDING**

Proposal #	Applicant Name	Project Title	Federal Share	Recipients Cost Share
09NWR09	Pacific Shellfish Institute	Harvest Management Tools to Control the Levels of <i>Vibrio parahaemolyticus</i> in Oysters and Other Bivalve Shellfish	245,133	52,665
09NWR07	Oregon State University	Fieldable early detection method for <i>Vibrio tubiashii</i> toxin in marine hatcheries	187,500	51,800
09SER035	University of the Virgin Islands	Defining biologically-relevant boundaries for protecting grouper spawning aggregations in the US Virgin Islands and Pohnpei	249,948	67,500
09SER001	Florida Atlantic University	Efficacy of electropositive metals for by-catch reduction in long line fisheries	283,888	32,000
09SWR003	Arizona Board of Regents, University of Arizona	Development of rapid, sensitive multiplex real-time PCR (and RT-PCR) assays for the detection and quantitation of viruses and an intracellular bacterium in penaeid shrimp	112,932	23,368
09SWR006	Pfleger Institute of Environmental Research	Development of a Southern California Deep-set Buoy Fishery for Swordfish <i>Xiphias gladius</i>	181,208	31,025
09PIR01	University of Hawaii	An exploratory application of agent based modeling for policy evaluations in Hawaii's Longline Fishery	199,528	22,448
09NWR10	Pacific Shellfish Institute	Biosecure domestication of native geoduck clams	210,267	51,000
09SER031	Florida Keys Community College	Chemical extraction process for converting shark bycatch discards from commercial pelagic longlines into a chemical shark repellent for application as bycatch reduction technology	112,000	12,773
09NER067	Smithsonian Institution	A novel application of bio-geochemical fingerprinting to evaluate the nursery potential of Chesapeake Bay subestuaries to contribute to the blue crab spawning stock	229,544	26,210
09SWR005	Hubbs-SeaWorld Research Institute	Advancement of hatchery technologies for commercial-scale production of California yellowtail ( <i>Seriola lalandi</i> ) and yellowfin tuna ( <i>Thunnus albacares</i> )	246,056	140,214
09NER007	University of New Hampshire	Test of Rope Separator Trawl on Georges Bank	247,090	36,334
09NER061	Micro Technologies, Inc.	Development of a Technology Platform for the Assessment and Controlled Delivery of Therapeutic Bacteriophage in Aquaculture	185,646	21,153

**APPENDIX IV (CONTINUED): FY 2009 S-K APPLICATIONS RECOMMENDED FOR FUNDING**

Proposal #	Applicant Name	Project Title	Federal Share	Recipients Cost Share
09NER071	AZ Board of Regents, acting for Arizona State University	The Joint Modeling of Seasonal Recreational Demand, Entry-Exit Decisions, and Fish Stocks over Time with an Application to Great Lakes Sportfishing	190,806	45,126
09SER013	South Carolina Department of Natural Resources	Evaluation of Habitat Utilization, Recruitment Bottlenecks and Movement of Coastal Striped Bass Population(s) Using Cultured Animals and Genetic-Based Identification Tools	215,939	25,917
09SER016	University of North Carolina Wilmington	Practical Diet Development for Intensive Cultivation of Red Porgy in the Southeastern US Using Alternative Protein Sources	149,165	18,672
09NER048	Trustees of Boston University	Connectivity between Offshore and Inshore Lobster Populations in Southern New England: Genetics and Morphology	243,493	80,297
09SER036	Texas A&M Research Foundation	Development of Molecular Assays to Determine the Gender of Billfishes	130,617	15,961
09SER034	Gulf & South Atlantic Fisheries Foundation, Inc.	Assessment of the Impacts of the Oculina Bank Marine Protected Area and In-Depth Ethnographic Profile of the Fort Pierce, Florida Fishing Community	120,794	13,800
09NER030	University of Rhode Island	Assessment of nutraceutical properties and palatability of squid processing byproduct hydrolysate for applications in human and pet food supplements	167,226	32,107
09SER021	The University of Southern Mississippi	Development of Hatchery Procedures for Aquaculture of the Red Snapper ( <i>Lutjanus campechanus</i> ): Investigations on Larval Nutrition and Potential Alternative Diets	262,280	85,344
09SER028	University Of Miami	Development of Hatchery Technology for Blackfin Tuna ( <i>Thunnus atlanticus</i> )	294,517	67,150
09PIR03	Kona Blue Water Farms, LLC	Operational and economic efficiencies of surface cage technologies: The key to profitability in America's open ocean fish farming industry	247,433	116,750
09NER051	University of Massachusetts Dartmouth	Post-release survivability of longline-caught large coastal sharks	362,294	40,754
09NER011	University of Maine System acting through the Univ. of Maine	The Development of a Probiotic Feed Supplement for the American Lobster ( <i>Homarus americanus</i> )	247,547	61,705
09NER005	University of Connecticut	Biofouling Tunicates on Shellfish Aquaculture Gear as Potential Vectors of Harmful Algal Introductions	249,651	74,055
09AKR003	University of Alaska Fairbanks	King Crab Aquaculture in Alaska	173,854	25,562

**APPENDIX IV (CONTINUED): FY 2009 S-K APPLICATIONS RECOMMENDED FOR FUNDING**

Proposal #	Applicant Name	Project Title	Federal Share	Recipients Cost Share
09NWR08	University of Washington	Threats to bivalve aquaculture and fisheries: The influence of emerging diseases and environmental change	243,115	70,799
09NER064	University of New Hampshire	Addressing Issues of Hatchery Production and Grow Out of Sea Urchins for Aquaculture Development in the Gulf of Maine	236,503	52,906
09NWR01	Oregon Department of Fish and Wildlife	Improving monitoring methods for estimation of non-retained salmonids encountered in summer and fall Columbia River commercial fisheries	118,648	27,499
09NWR02	Oregon Department of Fish and Wildlife	Improving monitoring methods for estimation of non-retained salmonids encountered in Columbia River Spring Chinook Fisheries	190,401	25,982
09NER004	University of Massachusetts Dartmouth	Improving conservation of New England whelks ( <i>Busycon</i> and <i>Busycotypus</i> )	220,381	34,988
09NER008	Board of Trustees, Southern Illinois University	Use of alternative lipid sources and finishing feeds to improve the nutritional value and safety of aquaculture products	183,548	71,206
09NER006	University of New England	Dismissing Dogma: The Use of Satellite Tags to Examine the Behavior of Spiny Dogfish ( <i>Squalus acanthias</i> ) in Relation to Habitat Use, Depth Preferences and Movement Patterns in the Northwest Atlantic	237,078	26,400
09SER027	University Of Miami	Developing Aquaculture Technology for Reproduction, Larval Rearing, Fingerling Production and Grow-out of Goggle Eye ( <i>Selar crumenophthalmus</i> ) a High-Value Marine Baitfish	264,614	60,332
09NER031	Woods Hole Oceanographic Institution	Development of an Integrated Economic and Ecological Framework for Ecosystem-Based Management of Fisheries in New England	130,468	44,930
09NER044	University of Maine System acting through UMaine	Establishment of an Atlantic cod breeding program for the US aquaculture industry	246,738	88,194
09NER038	Virginia Institute of Marine Science	Epidemiological Studies on a Parasitic Ciliate of Blue Crabs, <i>Callinectes sapidus</i> , and Its Possible Role in Winter Mortalities	247,767	27,700

**Grand Total                      8,065,617                      1,802,626**