Summary of Scallop RSA Awards: 2010 – 2020

Table 1 - List of RSA Projects Funded for 2020/2021

Year	Primary Project Category	Title	Organization	Funding
2020	Biology	Age-based assessment in the sea scallop Placopecten magellanicus	VIMS	$1,042,322
2020	Biology	Quantifying scallop growth and evaluating its spatio-temporal variability in the Northern Gulf of Maine	U Maine	$194,280
2020	Bycatch	A seasonal video trawl survey to assess the population size of yellowtail flounder (Pleuronectes ferruginea) and windowpane (Scophthalmus aquosus) in Closed Area II	SMAST	$1,155,924
2020	Ecosystem/ Habitat	Investigating links between environmental conditions and scallop meat condition to predict the regional vulnerability of fishing stocks under future ocean acidification and warming (2 years)	WHOI	$2,046,905
2020	Survey	An intensive optical assessment of sea scallop abundance and distribution in select areas of Georges Bank and Mid-Atlantic: Southern Closed Area 2, Southern Flank, Nantucket Lightship South Deep, Elephant Trunk, Hudson Canyon (2 years)	CFF	$4,029,120
2020	Survey	Sea scallop assessment on Stellwagen Bank	Maine DMR	$175,005
2020	Survey	An assessment of sea scallop abundance and distribution in the Nantucket Lightship Closed Area (2 years)	VIMS	$781,441
2020	Survey	An assessment of sea scallop abundance and distribution in the Georges Bank Access Areas and Surrounds (2 years)	VIMS	$812,062
2020	Survey	High-resolution drop-camera survey examining the scallop recruitment event in the Gulf of Maine	SMAST	$1,252,423

2020	Survey	High-resolution drop-camera surveys to track scallop and predator populations in Nantucket Lightship and Elephant Trunk, and to examine the effects of increased quadrat sampling	SMAST	$870,875
2020	Survey	Drop-camera survey to track scallop aggregations in Closed Area II access area and Closed Area II Extension	SMAST	$475,049
2020	Wind	Economic impacts of offshore wind energy development on the commercial sea scallop fishery (2 years)	Rutgers	$1,499,989

Table 2 - Comparison of 2020/2021 Scallop RSA priorities and funded projects by priority.

Priority	Project
SURVEYS (High Priority)	
1a. An intensive industry-based survey of each of the relevant scallop rotational areas (Closed Area II, Nantucket Lightship, Elephant Trunk and Hudson Canyon) that will provide estimates of total and exploitable biomass to be used for setting fishery catch limits under the rotational area management program.	• CFF: HabCam survey of sea scallop abundance and distribution in select areas of Georges Bank and Mid-Atlantic: Southern Closed Area 2, Southern Flank, Nantucket Lightship South Deep, Elephant Trunk, Hudson Canyon (2 years) • VIMS: Dredge surveys (Two, two year projects): 1) NLS region and; 2) Georges Bank Access Areas. • SMAST: High-resolution drop-camera surveys (2 projects) to survey Nantucket Lightship and Elephant Trunk, Closed Area II and surrounds.
1b. an intensive industry-based survey of areas of importance (i.e., open areas with high scallop recruitment or areas of importance to the fishery). For 2021, the priority areas are where scallop recruitment was observed during 2020 surveys , and areas of the Gulf of Maine that have recently been or are likely to be fished.	• ME DMR: Sea scallop assessment on Stellwagen Bank (1 year) • SMAST: High-resolution drop-camera survey examining the scallop recruitment event in the Gulf of Maine (1 year)

1c. a resource wide industry-based survey of scallops within Georges Bank and/or Mid-Atlantic resource areas. The survey or surveys do not need to be carried out by a single grant recipient. The primary objective of these surveys would be to provide an additional broad scale biomass index in addition to the federal survey to improve the overall precision of the scallop biomass estimate produced by the Scallop Plan Development Team.	
GENERAL RESEARCH (Not in rank order, priorities 2 – 8 are of equal importance)	
2. Dredge Efficiency: An evaluation and synthesis of dredge efficiency research to support scallop fishery management. Research may focus on analyses of existing data sets.	
3. Research to assess the impact of offshore wind energy development on the Atlantic sea scallop resource , including, but not limited to, baseline information gathering about abundance, biomass, distribution, growth, and seasonal yield; oceanographic models to assess potential for impact on larval patterns and settlement; questions of fishability, including impact of turbine spacing and orientation on safety and gear interactions, potential time-of-year restrictions for construction activities, and potential changes to management plan to increase feasibility of fishing; economic analyses of potential impacts to fishery and individual ports; impacts of noise, vibrations, and sedimentation during construction and operations.	• Rutgers: Economic impacts of offshore wind energy development on the commercial sea scallop fishery (2 years)
4. Research to support the investigation of turtle behavior and its potential impact on the scallop fishery in the Mid-Atlantic and Georges Bank (via satellite tagging or other means). This could include research to understand their seasonal movements, vertical habitat utilization, and the status and range of the population in response to climate change	
5. Bycatch research: Identification and evaluation of methods to reduce the impacts of the scallop fishery with respect to bycatch of small scallops and non-target species. This would include projects that determine seasonal bycatch rates of non-target species, characterize spatial and temporal distribution patterns, collect and analyze catch and bycatch data on a near-real time basis, as well as the associated discard mortality rates of key bycatch species. Research efforts focusing on non-target bycatch should provide results that would help the scallop industry avoid pending or potential implementation of accountability measures. Projects should consider the enforceability and feasibility of regulations in the commercial fishery	• SMAST: A seasonal video trawl survey to assess the population size of yellowtail flounder (Pleuronectes ferruginea) and windowpane (Scophthalmus aquosus) in Closed Area II

6. Scallop meat quality research: Research aimed at describing the occurrence of disease and parasites, as well as understanding the mechanisms and processes (including the life cycle, distribution and transmission, and relationship to sea turtles) that affect scallop product quality; research aimed at evaluating the impact of density dependence and the potential impacts of area rotation on scallop product quality, marketability, meat weights, and seasonal monitoring would be particularly useful.	
7. Research on scallop biology, including studies aimed at understanding recruitment processes (reproduction, timing of spawning, larval and early post-settlement stages, age and growth, and yield), examination of environmental stressors on reproduction and growth, and research related to scallop spat and seeding projects. This priority also includes research on natural mortality, such as scallop predation (e.g., starfish, crab, snails, and dogfish), discard mortality, and juvenile mortality events. This priority includes research on scallop biology in the Gulf of Maine region.	• WHOI: Investigating links between environmental conditions and scallop meat condition to predict the regional vulnerability of fishing stocks under future ocean acidification and warming (2 years) • VIMS: Age-based assessment in the sea scallop *Placopecten magellanicus* • UMaine: Quantifying scallop growth and evaluating its spatio-temporal variability in the Northern Gulf of Maine
8. Data collection in the Gulf of Maine: This priority includes research aimed at developing approaches for determining optimal survey coverage, frequency, and design in Gulf of Maine. This may include research that evaluates past and current approaches to survey design in the Gulf of Maine (not just the NGOM management unit). This priority may also include projects that evaluate the cost-benefits of research survey design including coverage, frequency, timing, and survey gear, and monitoring the fishery (landings and discards) relative to the net socio-economic benefits. Possible research includes, but is not limited to, evaluation of past and current approaches to survey design in the Gulf of Maine (not just the NGOM management unit) and simulation modelling	

Table 3 - Summary of 2020 Funded Projects by priority category (rank, projects funded, cost)

Priority	Priority Rank	Projects Funded	Research Cost
Survey	Highest	7	$8,395,975
Biology	General	2	$1,236,602
Bycatch	General	1	$1,155,924
Wind	General	1	$1,499,989
Ecosystem	General	1	$2,046,905
Total		12	$14,335,395

Table 4 - 2010 - 2020 Scallop RSA Awards grouped by priority: projects funded, estimated value, and percentage of total funding

Priority	Projects Funded	Estimated Value (comp fishing and research)	Percentage of total funding (2010-2020)
Survey	71	$58,296,841	43.2%
Bycatch	34	$35,950,182	26.6%
Biology	11	$8,601,672	6.4%
Turtle	11	$8,573,247	6.3%
Ecosystem/ Habitat	8	$8,459,596	6.3%
Non-harvest mortality	8	$6,643,424	4.9%
Meat Quality	5	$2,965,334	2.2%
Wind	2	$2,606,280	1.9%
LPUE	1	$270,199	0.2%
Survey/Habitat	1	$2,665,944	2.0%
Grand Total	152	$135,032,719	100.0%

Table 5 - Number of projects funded by year, from 2010 - 2020 by priority group.

Year	Survey	Bycatch	Biology	Turtle	Ecosystem / Habitat	Non-harvest mortality	Meat Quality	Wind	LPUE	Survey/Habitat	Grand Total
2010	5	1		2							8
2011	9	2	1	1	1						14
2012	4	7		1			1				13
2013	6	4	1	1	2						14
2014	6	1		1	2	4	1				15
2015	6	4	1	1	1	3					16
2016	4	4	3	1			2			1	15
2017	7	5		1	1	1	1		1		17
2018	9	2	3	1							15
2019	8	3		1				1			13
2020	7	1	2		1			1			12
Grand Total	71	34	11	11	8	8	5	2	1	1	152

Table 6 – List of RSA Funded Projects (2010 – 2020) sorted by primary project category.

Year	Primary Project Category	Title	Organization	Funding
2020	Biology	Age-based assessment in the sea scallop Placopecten magellanicus	VIMS	$1,042,322
2018	Biology	The effect of density on growth, yield and reproduction of the sea scallop, Placopecten magellanicus (2 Year Project)	VIMS	$1,225,538
2018	Biology	Age-based assessment in the sea scallop Placopecten magellanicus: a pilot study (2 Year Project)	VIMS	$692,772
2018	Biology	Developing a Spatially & Temporally Explicit Gonadosomatic Index through the Scallop Observer Program: A Pilot Study	WHOI	$472,696
2016	Biology	Drivers of Dispersal and Retention in Recently Seeded Sea Scallops	CFF	$1,080,128
2016	Biology	Scallop Mark-Recapture to Estimate Density Dependent Natural Mortality and Growth	VIMS	$594,284
2016	Biology	Age Structure and Growth Rate in the Sea Scallop (2 years)	VIMS	$613,673
2015	Biology	Habitat Characterization and Sea Scallop Resource Enhancement Study in a Proposed Habitat Research Area –Year Three	CFF	$979,680
2013	Biology	Survey of Persistent Scallop Aggregations and an Examination of Their Influence on Recruitment Using the FVCOM Oceanographic Model	SMAST	$993,844
2011	Biology	Developing Tools to Evaluate Spawning and Fertilization Dynamics of the Giant Sea Scallop Phase II: Field Trials in Experimental Populations	U Maine	$712,455
2020	Biology	Quantifying scallop growth and evaluating its spatio-temporal variability in the Northern Gulf of Maine	U Maine	$194,280
2020	Bycatch	A seasonal video trawl survey to assess the population size of yellowtail flounder (Pleuronectes ferruginea) and windowpane (Scophthalmus aquosus) in Closed Area II	SMAST	$1,155,924
2019	Bycatch	Seasonal Survey in the Atlantic Sea Scallop Fishery	CFF	$1,572,670
2019	Bycatch	Can Cutting Bar Modifications Reduce Bycatch and Increase Catch Efficiency in the Atlantic Sea Scallop Dredge Fishery?	National Fisheries Institute	$498,293
2019	Bycatch	Piloting a Novel Dredge Type to Reduce Bycatch and Improve Fuel Efficiency in the Southern New England Scallop Fishery	CFRF	$669,357
2018	Bycatch	Quantifying the Selectivity Characteristics of an Extended Link Apron using a Dredge Cover Net	CFF	$874,859

2018	Bycatch	Optimizing the Georges Bank Scallop Fishery by Maximizing Meat Yield and Minimizing Bycatch	CFF	$1,996,912
2017	Bycatch	Optimizing the Georges Bank Scallop Fishery by Maximizing Meat Yield and Minimizing Bycatch	CFF	$1,974,112
2017	Bycatch	Development of an Extended Link Apron: A Broad Range Tool for Bycatch Reduction	CFF	$1,044,000
2017	Bycatch	Imporoving a low profile dredge using coputational fluid dynamics and flume tank testing	CFF	$463,940
2017	Bycatch	Measuring Swimming Capacity of Yellowtail and Windowpane Flounders	SMAST	$497,102
2017	Bycatch	Evaluating the Condition and Discard Mortality of Monkfish, Lophius americanus, Following Capture and Handling in the Sea Scallop Dredge Fishery	VIMS	$1,539,027
2016	Bycatch	Optimizing the Georges Bank Scallop Fishery by Maximizing Meat Yield and Minimizing Bycatch	CFF	$1,994,292
2016	Bycatch	Development of Ecosystem Friendly Scallop Dredge Bags: Tools for Long-Term Sustainability	CFF	$1,576,200
2016	Bycatch	A modified flounder sweep for flatfish bycatch reduction in the LAGC scallop fishery	CFF	$369,520
2016	Bycatch	Scallop Fishery Bycatch Avoidance System 2016	SMAST	$312,500
2015	Bycatch	Optimizing the Georges Bank Scallop Fishery by Maximizing Meat Yield and Minimizing Bycatch	CFF	$1,999,832
2015	Bycatch	Determination of the Impacts of Dredge Speed on Bycatch Reduction and Scallop Selectivity Weights of NW Atlantic Sea Scallops via Paired Field Surveys and Laboratory Experiments	CFF	$950,112
2015	Bycatch	Determining the Impacts of Dredge Bag Modifications on Flatfish Bycatch in the LAGC Scallop Fishery	CFF	$308,200
2015	Bycatch	Scallop Fishery Bycatch Avoidance System 2015	SMAST	$732,252
2014	Bycatch	Scallop Bycatch Avoidance System	SMAST	$678,955
2013	Bycatch	Preventing Bycatch of Yellowtail Flounder in the Scallop Fishery	National Fisheries Institute	$338,931
2013	Bycatch	Testing of Scallop Dredge Bag Design Changes For Flatfish Bycatch Reduction	CFF	$995,712
2013	Bycatch	Scallop Fishery Bycatch Avoidance System	SMAST	$637,417
2013	Bycatch	Seasonal Bycatch Survey of the Georges Bank Scallop Fishery	CFF	$2,522,307

2012	Bycatch	Bycatch Characterization in the Southern New England Sea Scallop Fishery	Fisheries Specialists	$584,375
2012	Bycatch	Evaluating the Condition and Discard Mortality of Skates Following Capture and Handling in the Sea Scallop Dredge Fishery	VIMS	$1,092,642
2012	Bycatch	Design and Test of a Hydrodynamic Scallop Dredge to Reduce Bycatch, Minimize Bottom Impact and Improve Fuel Efficiency	SMAST	$836,854
2012	Bycatch	Testing of Scallop Dredge Bag Design Changes For Flatfish Bycatch Reduction	CFF	$888,132
2012	Bycatch	Real-Time Electronic Bycatch Reporting Pilot Project	CFF	$711,720
2012	Bycatch	Expansion of the Yellowtail Bycatch System	SMAST	$426,729
2012	Bycatch	Seasonal Bycatch Survey of the George's Bank Scallop Fishery	CFF	$2,538,554
2011	Bycatch	Testing of a low profile scallop dredge for bycatch reduction	CFF	$836,800
2011	Bycatch	Optimizing the George's Bank Scallop Fishery by Maximizing Meat Yield and Minimizing Bycatch	CFF	$1,847,700
2010	Bycatch	Real-Time Electronic Bycatch Reporting Pilot Project	CFF	$484,250
2020	Ecosystem/ Habitat	Investigating links between environmental conditions and scallop meat condition to predict the regional vulnerability of fishing stocks under future ocean acidification and warming (2 years)	WHOI	$2,046,905
2017	Ecosystem/ Habitat	Sea Scallop Larval and Early Juvenile Transport along the Northeast Continental shelf: A Modeling Tool to Enhance Scallop Management of Rotationally Closed Areas	SMAST	$1,356,260
2015	Ecosystem/ Habitat	Investigating the Effects of Ocean Acidification and Warming on the Shell Properties and Meat Weights of NW Atlantic Sea Scallops Via Paired Field Surveys and Laboratory Experiments	Northeastern University	$801,465
2014	Ecosystem/ Habitat	Habitat Characterization and Sea Scallop Resource Enhancement Study in Proposed Habitat Research Area-Year 2	CFF	$770,852
2014	Ecosystem/ Habitat	Investigating the Effects of Ocean Acidification and Warming on the Shell Properties and Meat Weights of NW Atlantic Sea Scallops Via Paired Field Surveys and Laboratory Experiments	Northeastern University	$919,277
2013	Ecosystem/ Habitat	Identifying Source Sink Dynamics in Sea Scallop Populations of the Northwest Atlantic	Northeastern University	$1,107,448
2013	Ecosystem/ Habitat	Habitat Characterization and Sea Scallop Resource Enhancement Study in a Proposed Habitat Research Area	CFF	$806,436

2011	Ecosystem/ Habitat	Effects of Mobile Fishing Gear on Geological and Biological Structure: a Georges Bank Closed Versus Open Area Comparison	SMAST	$650,953
2017	LPUE	Factors Influencing Scallop Landings per Unit Effort (LPUE)	SMAST	$270,199
2017	Meat Quality	Monitoring Gray Meat Infestations in Atlantic Sea Scallops in a Closed Area on Georges Bank	SMAST	$428,160
2016	Meat Quality	Transmission of Apicomplexan Infection and Development of Gray Meat in Atlantic Sea Scallops (2 years)	SMAST	$639,786
2016	Meat Quality	An Investigation into the scallop parasite outbreak on the Mid-Atlantic shelf: Transmission Pathways, Spatio-Temporal variation of infection, and consequences of marketability (2 years)	VIMS	$945,422
2014	Meat Quality	Tracking the Occurrence of grey meat in Atlantic Sea Scallops	SMAST	$572,123
2012	Meat Quality	What Causes Gray Meat in the Atlantic Sea Scallop Placopecten Magellanicus in Georges Bank Closed Areas?	SMAST	$379,843
2017	Non-harvest mortality	A Study of Incidental Mortality in Sea Scallops Investigating Predator Response and Size Selective Rates Of Mortality From BACI Image Surveys	University of Deleware	$2,226,996
2015	Non-harvest mortality	Discard Mortality of Sea Scallops Following Capture and Handling in the Sea Scallops Dredge Fishery	VIMS	$693,200
2015	Non-harvest mortality	Incidental Mortality Estimates of Sea Scallops from AUV based BACI Surveys	University of Deleware	$508,545
2015	Non-harvest mortality	Estimating Incidental Mortality in the Sea Scallop Fishery	CFF	$429,755
2014	Non-harvest mortality	Incidental Mortality Estimates of Sea Scallops from AUV based BACI Surveys	University of Deleware	$1,147,794
2014	Non-harvest mortality	Estimating Incidental Mortality in the Sea Scallop Fishery	CFF	$306,565
2014	Non-harvest mortality	Determining Incidental Discard Mortality of Atlantic Sea Scallops, Placopecten magellanicus	National Fisheries Institute	$366,588
2014	Non-harvest mortality	Discard Mortality of Sea Scallops Following Capture and Handling in the Sea Scallops Dredge Fishery	VIMS	$963,981
2020	Survey	An intensive optical assessment of sea scallop abundance and distribution in select areas of Georges Bank and Mid-Atlantic: Southern Closed Area 2, Southern Flank, Nantucket Lightship South Deep, Elephant Trunk, Hudson Canyon (2 years)	CFF	$4,029,120

2020	Survey	Sea scallop assessment on Stellwagen Bank	Maine DMR	$175,005
2020	Survey	An assessment of sea scallop abundance and distribution in the Nantucket Lightship Closed Area (2 years)	VIMS	$781,441
2020	Survey	An assessment of sea scallop abundance and distribution in the Georges Bank Access Areas and Surrounds (2 years)	VIMS	$812,062
2020	Survey	High-resolution drop-camera survey examining the scallop recruitment event in the Gulf of Maine	SMAST	$1,252,423
2020	Survey	High-resolution drop-camera surveys to track scallop and predator populations in Nantucket Lightship and Elephant Trunk, and to examine the effects of increased quadrat sampling	SMAST	$870,875
2020	Survey	Drop-camera survey to track scallop aggregations in Closed Area II access area and Closed Area II Extension	SMAST	$475,049
2019	Survey	An Optical Assessment of Sea Scallop Abundance, Distribution and Growth in the Nantucket Lightship Scallop Management Area	CFF	$760,087
2019	Survey	An Optical Assessment of Sea Scallop Abundance and Distribution in the Southern Closed Area II Scallop Management Area	CFF	$1,114,095
2019	Survey	Improving Automated Detection of Scallops and Flounder in Optical Surveys with Stereo Detection Methods	CFF	$803,936
2019	Survey	Drop Camera Surveys Examining the Scallop Population of the Mid-Atlantic and Assessment of Automated Scallop Count and Measurement Algorithm	SMAST	$1,008,205
2019	Survey	High-Resolution Drop Camera Surveys to Track Scallop Aggregations in Closed Area I Access Area, Nantucket Lightship, and Great South Channel	SMAST	$435,190
2019	Survey	A Cooperative High Precision Dredge Survey to Assess the Mid-Atlantic Sea Scallop Resource Area in 2019 and 2020	VIMS	$1,754,209
2019	Survey	In Situ High-Definition Camera Monitoring to Evaluate Catch Efficiency and Performance of a Survey Dredge	VIMS	$844,936
2019	Survey	Assessment of Sea Scallop Distribution and Abundance in the Northern Gulf of Maine Management Area	Maine DMR	$334,950
2018	Survey	An Optical Assessment of Sea Scallop Abundance, Distribution, and Growth in the Nantucket Lightship and southern part of Georges Bank	CFF	$883,405
2018	Survey	High-resolution drop camera surveys to track scallop aggregations in Closed Area I and Great South Channel	SMAST	$353,073
2018	Survey	High-resolution drop camera survey examining the scallop population and habitat in select portions of the Gulf of Maine	SMAST	$513,680

2018	Survey	High resolution drop camera survey examining sea stars dynamics in extremely dense scallop beds of the Nantucket Lightship	SMAST	$402,027
2018	Survey	An assessment of sea scallop abundance and distribution in the Nantucket Lightship (2 Year Project)	VIMS	$628,516
2018	Survey	An assessment of sea scallop abundance and distribution in Closed Area I and Closed Area II (2 Year Project)	VIMS	$758,266
2018	Survey	Understanding Dredge Performance for a Lined versus Unlined NMFS Sea Scallop Survey Dredge	VIMS	$160,098
2018	Survey	High Intensity Optical Survey of the Mid-Atlantic Bight Rotational Closure Areas: Elephant Trunk and Hudson Canyon	WHOI	$1,358,540
2018	Survey	High Intensity Optical Survey of Closed Area II and northern part of Georges Bank	WHOI	$1,203,468
2017	Survey	An Optical Assessment of Sea Scallop and Predator Abundance and Distribution in the Nantucket Lightship Closed Area and Surrounds in Coordination with the VIMS Dredge Survey	CFF	$742,000
2017	Survey	High-resolution Drop Camera Survey Examining the Scallop Population and Habitat in the Closed Area I Access Area and Sliver	SMAST	$145,647
2017	Survey	High-resolution Drop Camera Survey Examining the Scallop Population and Habitat in the Closed Area II Access Area and Extension	SMAST	$306,715
2017	Survey	2017 Broadscale Drop Camera Survey of the US East Coast Sea Scallop Resource	SMAST	$906,217
2017	Survey	A Cooperative High Precision Dredge Survey to Assess the Mid-Atlantic Sea Scallop Resource Area in 2018	VIMS	$893,114
2017	Survey	An Assessment of Sea Scallop Abundance and Distribution in Georges Bank Closed Area II and the Southern Extension Closure	VIMS	$365,222
2017	Survey	A Study to Assess the Effect of Tow Duration and Estimate Dredge Efficiency for the VIMS Sea Scallop Dredge Survey	VIMS	$1,260,510
2016	Survey	Optical Survey of the Scallop Resource in the Elephant Trunk Scallop Access Area	Arnie's Fisheries	$586,540
2016	Survey	A Cooperative High Precision Dredge Survey to Assess the Mid-Atlantic Sea Scallop Resouce Area (2-years)	VIMS	$1,979,346
2016	Survey	An Assessment of Sea Scallop Abundance and Distribution in the Nantucket Lightship Closed Area and Surrounds (2 years)	VIMS	$891,945

2016	Survey	An Assessment of Sea Scallop Abundance and Distribution in Georges Bank Closed Area II and Surrounds	VIMS	$448,215
2015	Survey	Optical Survey of the Resource in the Elephant Trunk Scallop Access Area	Arnie's Fisheries	$629,328
2015	Survey	Optical Survey of Recent Scallop Settlement Areas Along the Southern New England Shelf Including the Southern Portion of the Nantucket Lightship Scallop Access Area	Arnie's Fisheries	$808,560
2015	Survey	Broadscale Video Survey of Georges Bank Scallop Open Areas	SMAST	$1,994,248
2015	Survey	Development and Implementation of a High Precision Resource Wide Dredge Survey of the Mid-Atlantic Scallop Resource Area	VIMS	$966,472
2015	Survey	Assessment of Sea Scallop Distribution in Federal and Adjacent State Waters of the Gulf of Maine	Maine DMR	$372,344
2015	Survey	Broadscale Video Survey of the Open Areas of George's Bank	SMAST	$1,368,126
2014	Survey	Assessment of Sea Scallop Distribution in Federal and Adjacent State Waters of the Gulf of Maine	Maine DMR	$558,515
2014	Survey	An Assessment of Sea Scallop Abundance and Distribution in the Long Island/Southern New England Area	VIMS	$456,346
2014	Survey	Broadscale Video Survey of the Open Areas of George's Bank	SMAST	$1,368,126
2014	Survey	Optical Survey of Recent Scallop Settlement Areas Along the Southern New England Continental Shelf	Arnie's Fisheries	$894,360
2014	Survey	High-Resolution Video Survey and Biological Sampling of the Northern Area of Closed Area I	SMAST	$438,898
2014	Survey	Optical Survey of Scallop Resource in the Elephant Trunk Scallop Access Area	Arnie's Fisheries	$895,320
2013	Survey	A Synoptic Survey of the Sea Scallop Resource in the Mid-Atlantic	VIMS	$1,592,471
2013	Survey	Combined High-Resolution Video Survey and Biological Sampling Using a Modified Sled Dredge of the Sea Scallop Resource in Nantucket Lightship Access Area	SMAST	$628,653
2013	Survey	Optical Survey of Scallop Resource Areas: Closed Area I, Closed Area II HAPC, & Contiguous Areas	Arnie's Fisheries	$995,894
2013	Survey	High-Resolution Video Survey of the Sea Scallop Resource in Georges Bank Closed Area II (South) and Delmarva	SMAST	$866,849
2013	Survey	An Assessment of Sea Scallop Abundance and Distribution in the Northeast Georges Bank Area	VIMS	$347,122

2013	Survey	An Assessment of Sea Scallop Abundance and Distribution in the Access Area of the Nantucket Lightship Closed Area	VIMS	$314,628
2012	Survey	High-resolution Video Survey of the Sea Scallop Resource in the Nantucket Lightship and Closed Area I Access Areas	SMAST	$926,964
2012	Survey	Optical Survey of Closed Area II Scallop Access Area and the Nothern Edge Habitat Area of Particular Concern and Contiguous Areas	Arnie's Fisheries	$1,297,656
2012	Survey	An Assessment of Sea Scallop Abundance and Distribution in the Hudson Canyon Closed Area and Adjacent Inshore Areas	VIMS	$678,016
2012	Survey	An Inventory of the Sea Scallop Resource in the Georges Bank Closed Area II and Surrounds	VIMS	$364,498
2011	Survey	Assessment of Sea Scallop Distribution and Abundance in Federal and Adjacent State Waters of the Gulf of Maine	Maine DMR	$589,314
2011	Survey	Scallop Biomass, Bycatch and Substrate Distribution in the Hudson Canyon and Closed Area I Scallop Access Areas--DROP Hudson Canyon	Arnie's Fisheries	$998,000
2011	Survey	Extension of the SMAST Video Survey in the Western Portion of the Mid-Atlantic	SMAST	$409,820
2011	Survey	A Descriptive Sea Scallop Survey of the Federal Inshore Areas of the New York Bight Using a Camera Mounted Autonomous Underwater Vehicle	Phoel Associates, Inc.	$799,600
2011	Survey	High-Resolution Video Survey of the Sea Scallop Resource in the HC and Delmarva Area-----DROP Delmarva	SMAST	$424,011
2011	Survey	An Assessment of Sea Scallop Abundance and Distribution in Selected Closed Areas: New York Bight and the Southern New England Area	VIMS	$690,010
2011	Survey	An Assessment of Sea Scallop Abundance and Distribution in Selected Closed Areas: DelMarVa Closed Area	VIMS	$353,353
2011	Survey	An Assessment of Sea Scallop Abundance and Distribution in Selected Closed Areas: Georges Bank Closed Area II	VIMS	$353,353
2011	Survey	An Assessment of Sea Scallop Abundance and Distribution in Selected Closed Areas: Nantucket Lightship Closed Area	VIMS	$353,353
2010	Survey	Tracking a Large Sea Scallop Recruitment Event with High-Resolution Video Survey in the Gulf of Maine	SMAST	$775,206
2010	Survey	Scallop, Yellowtail Flounder, and Substrate Distribution in the Closed Area II Scallop Access Area and the Western Side of the Great South Channel	Arnie's Fisheries	$1,706,300
2010	Survey	High-Resolution Video Survey of the Sea Scallop Resource, Recruitment Patterns, and Habitat of the Hudson Canyon and Delmarva Closed Area	SMAST	$1,065,305

2010	Survey	An Assessment of Sea Scallop Abundance and Distribution in Selected Closed Areas: Hudson Canyon Closed Area	VIMS	$348,855
2010	Survey	An Assessment of Sea Scallop Abundance and Distribution in Selected Closed Areas: Georges Bank Closed Area 1	VIMS	$428,840
2016	Survey/Habitat	Impact of Disturbance on Habitat Recovery in Habitat Management Areas on Georges Bank (2 years)	WHOI	$2,665,944
2019	Turtle	Understanding the Impacts of the Sea Scallop Fishery on Loggerhead Sea Turtles	CFF	$584,415
2018	Turtle	Understanding the Impacts of the Atlantic Sea Scallop Fishery on Loggerhead Sea Turtles	CFF	$762,395
2017	Turtle	Understanding the Impacts of the Atlantic Sea Scallop Fishery on Loggerhead Sea Turtles	CFF	$899,000
2016	Turtle	Understanding Impacts of the Sea Scallop Fishery on Loggerhead Sea Turtles Through Satellite Tagging	CFF	$892,059
2015	Turtle	Understanding Impacts of the Sea Scallop Fishery on Loggerhead Sea Turtles through Satellite Tagging	CFF	$797,040
2014	Turtle	Understanding Impacts of the Sea Scallop Fishery on Loggerhead Sea Turtles	CFF	$919,360
2013	Turtle	Understanding Impacts of the Sea Scallop Fishery on Loggerhead Sea Turtles through Satellite Tagging	CFF	$404,592
2012	Turtle	Understanding Impacts of the Sea Scallop Fishery on Loggerhead Sea Turtles Through Satellite Tagging	CFF	$798,240
2011	Turtle	Understanding Impacts of the Sea Scallop Fishery on Loggerheads through Satellite Tagging	CFF	$734,000
2010	Turtle	Loggerhead Sea Turtle Ecology on the Sea Scallop Grounds	CFF	$863,962
2010	Turtle	Testing of Modifications to the Cfarm Turtle Excluder Dredge for Bycatch Reduction	CFF	$918,184
2020	Wind	Economic impacts of offshore wind energy development on the commercial sea scallop fishery (2 years)	Rutgers	$1,499,989
2019	Wind	Assessing Potential Impacts of Offshore Wind Facilities on Regional Sea Scallop Larva and Early Juvenile Transport	SMAST	$1,106,291

Table 7 - Number of RSA Awards by Institution/Organization from 2010 – 2020.

Organization	Total Projects Funded
CFF	43
SMAST	39
VIMS	36
Arnie's Fisheries	9
Maine DMR	5
WHOI	5
National Fisheries Institute	3
Northeastern University	3
University of Delaware	3
U Maine	2
CFRF	1
Fisheries Specialists	1
Phoel Associates, Inc.	1
Rutgers	1
Grand Total	152