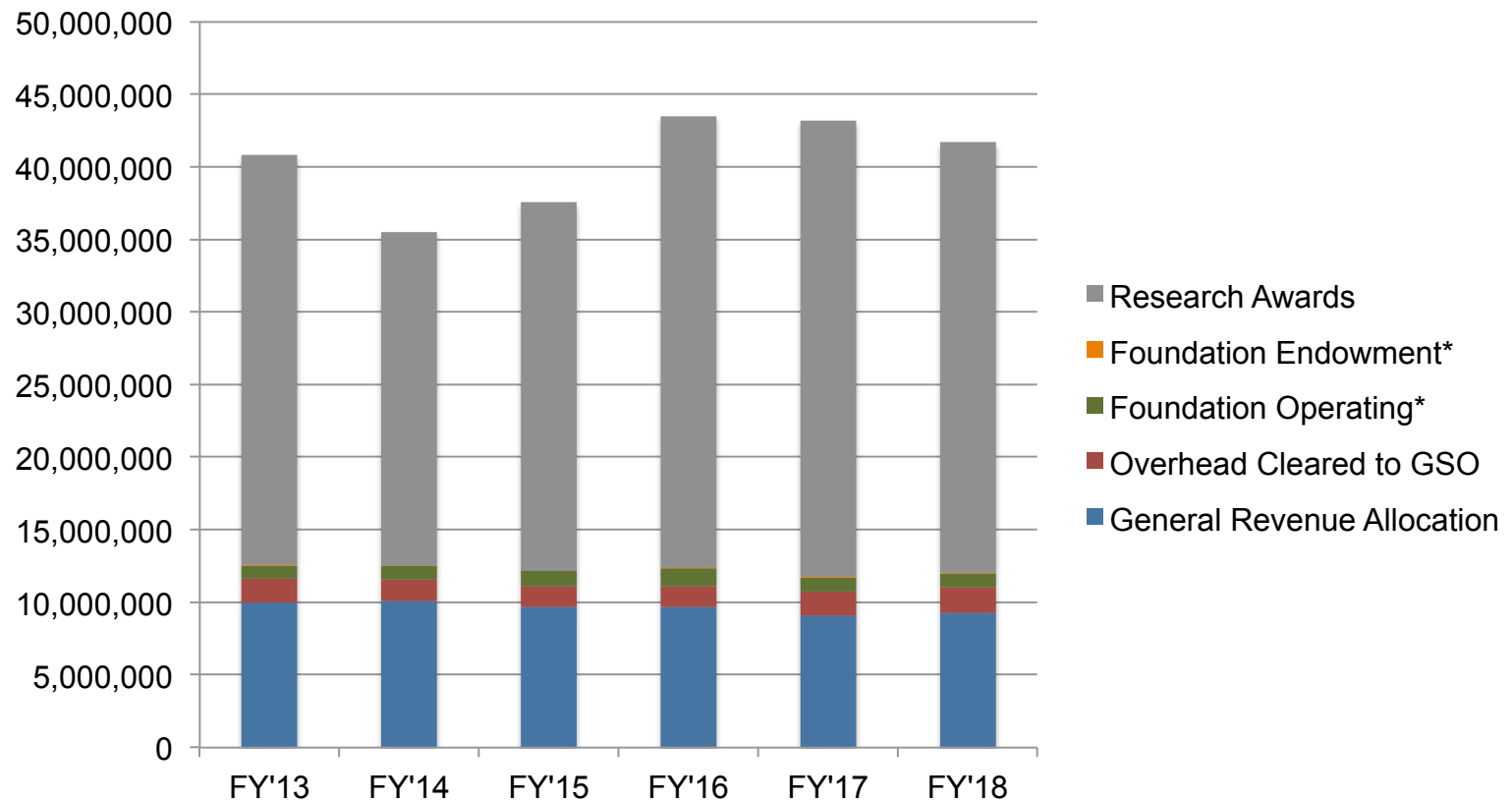


Graduate School of Oceanography
State of GSO and NBC
November 9, 2018

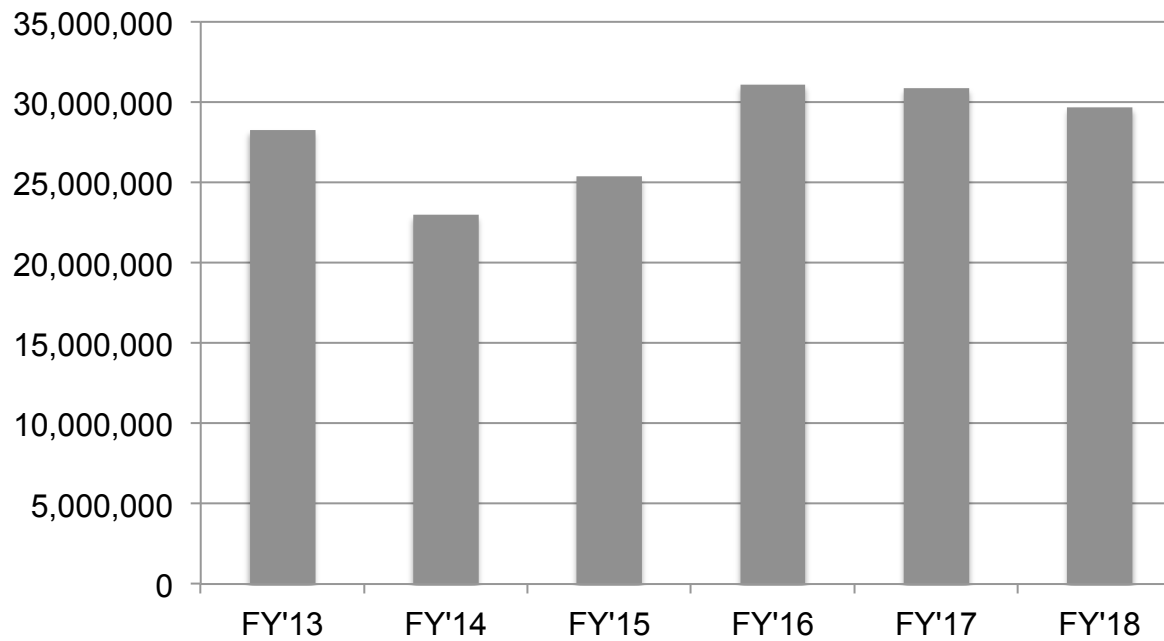


*Design and rendering by
Glostn Associates, Inc.*

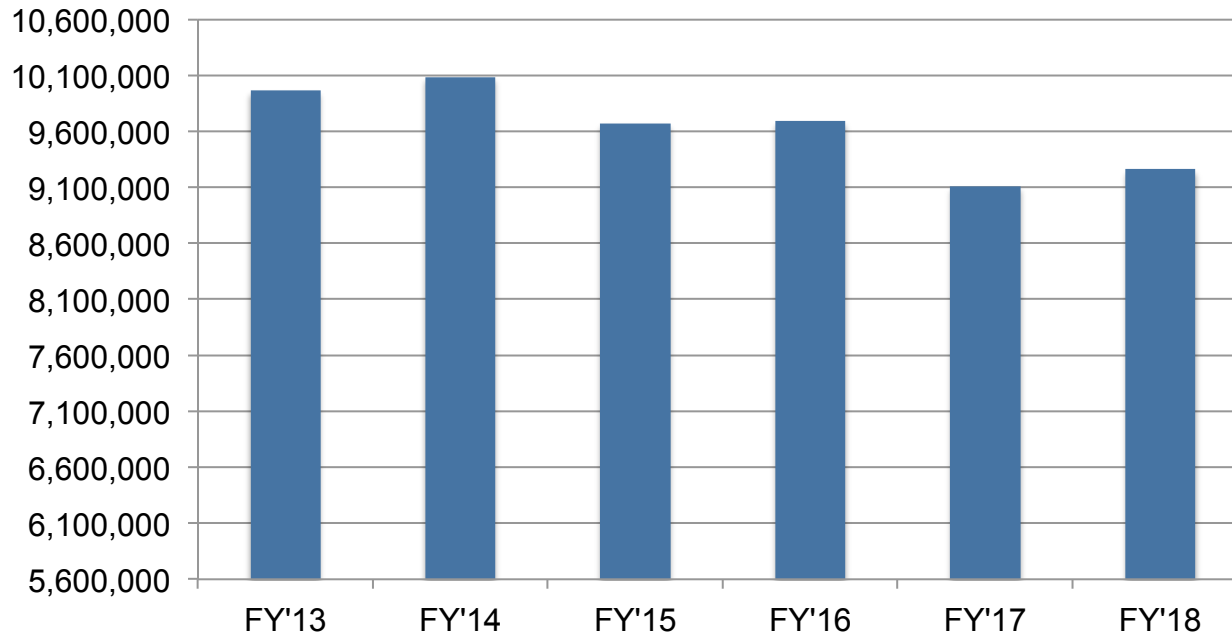
Total Revenue



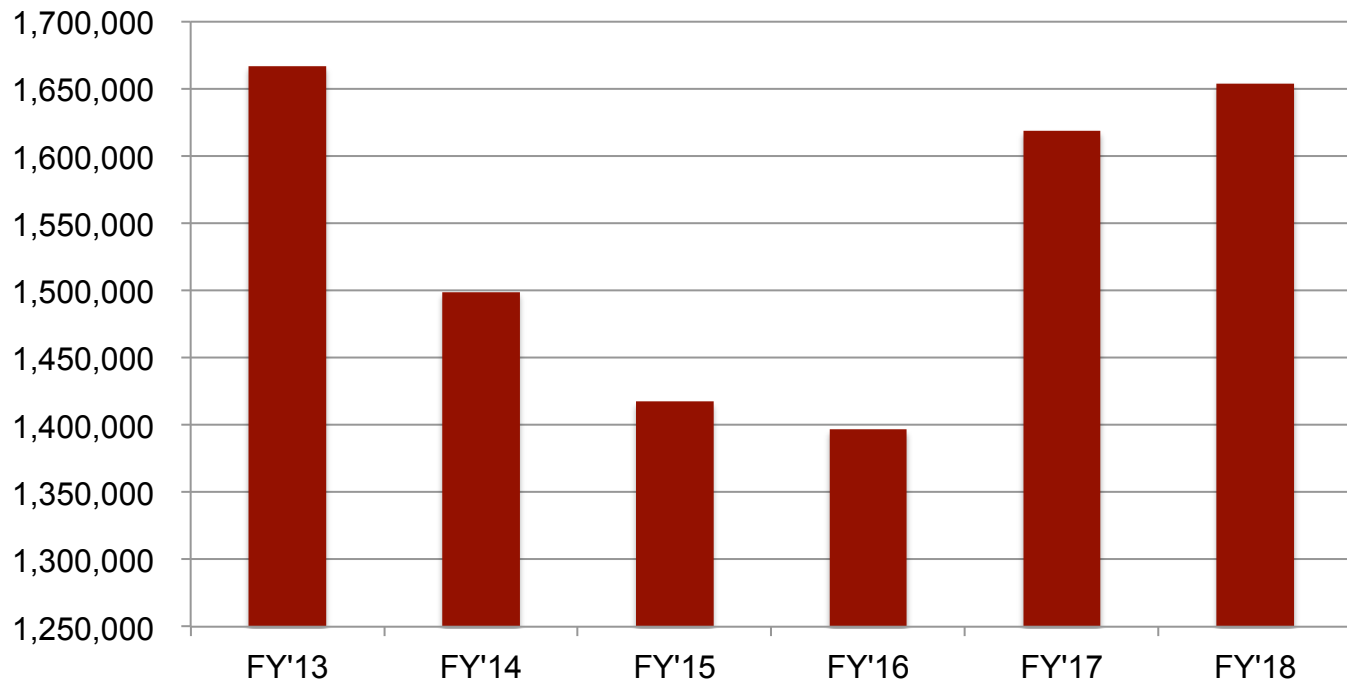
Research Awards



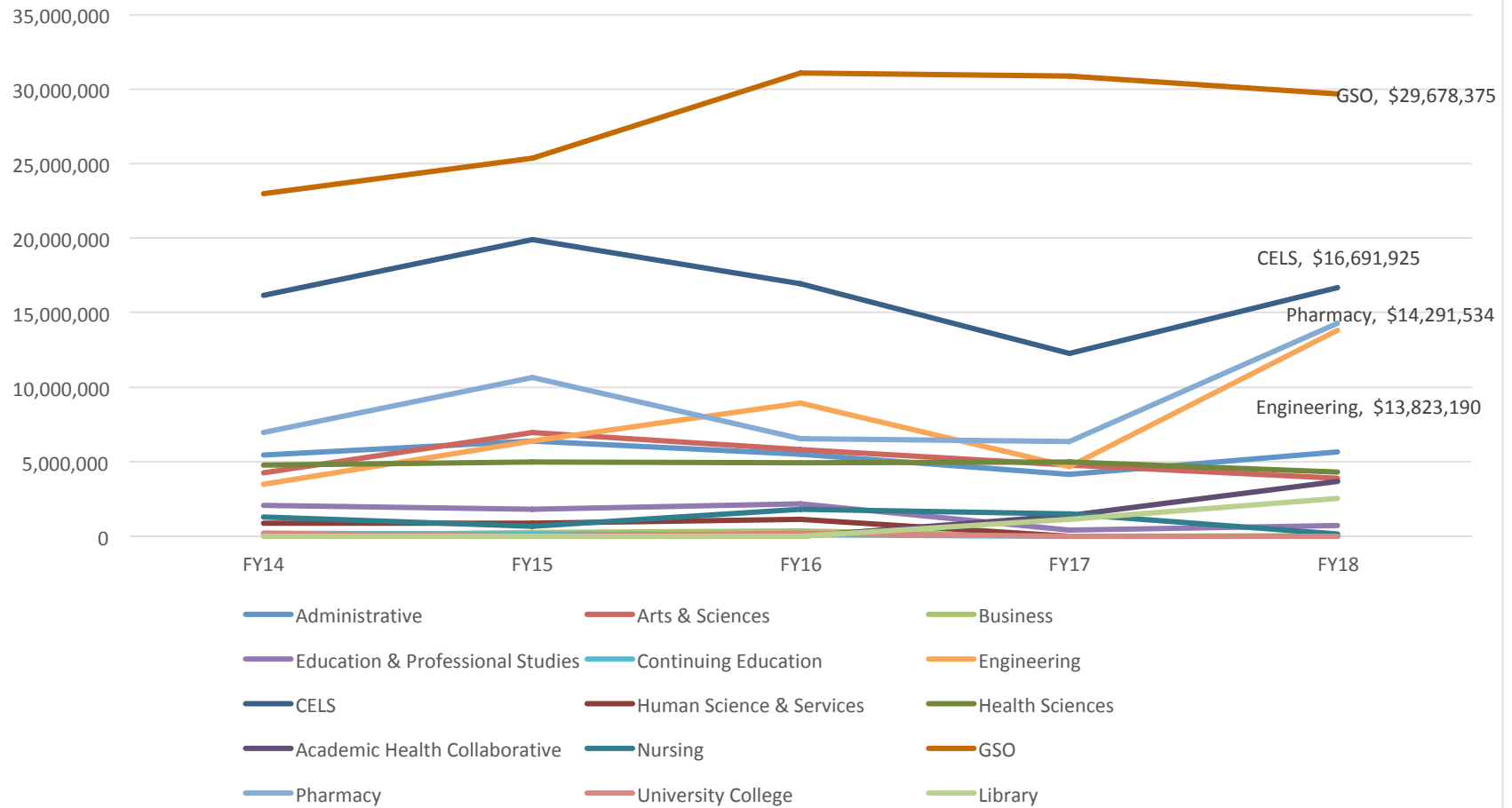
General Revenue



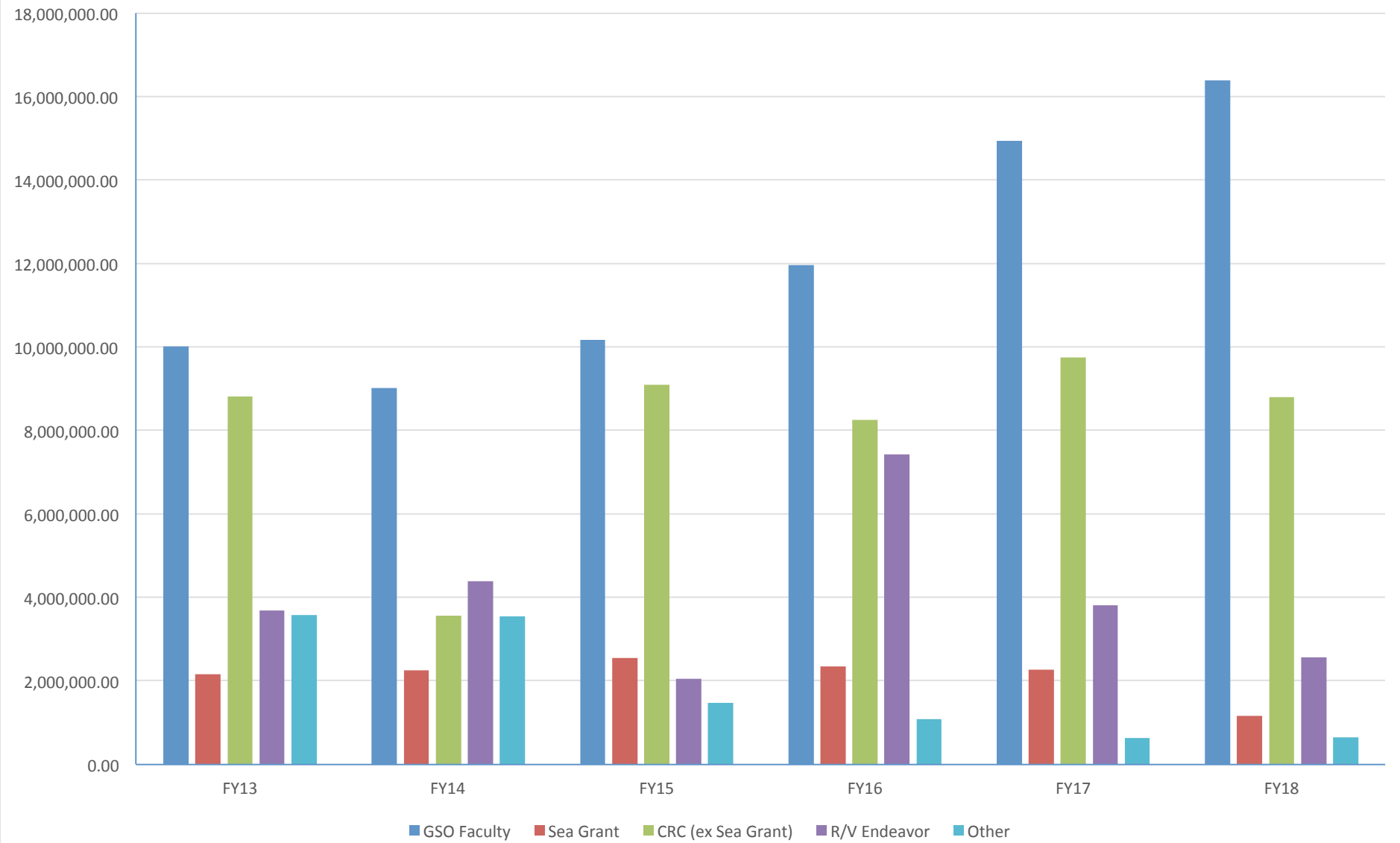
Overhead Received by GSO



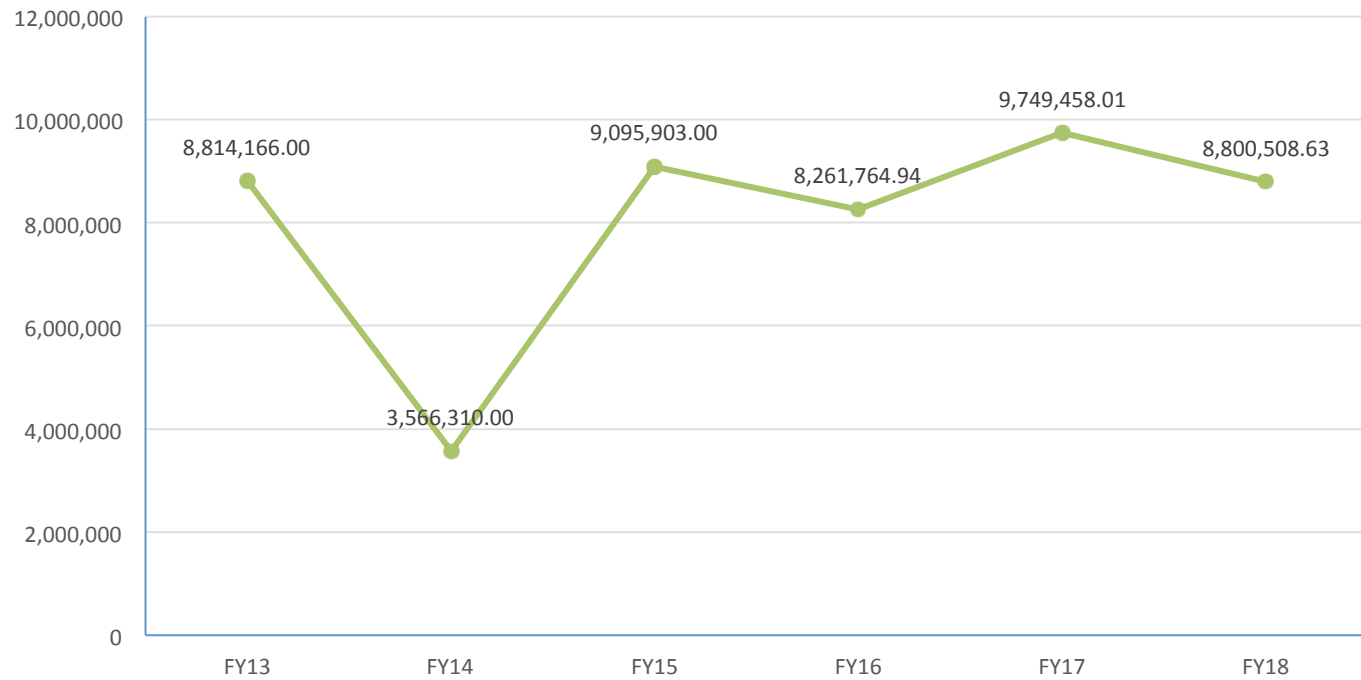
URI Awards by Unit, FY14-18



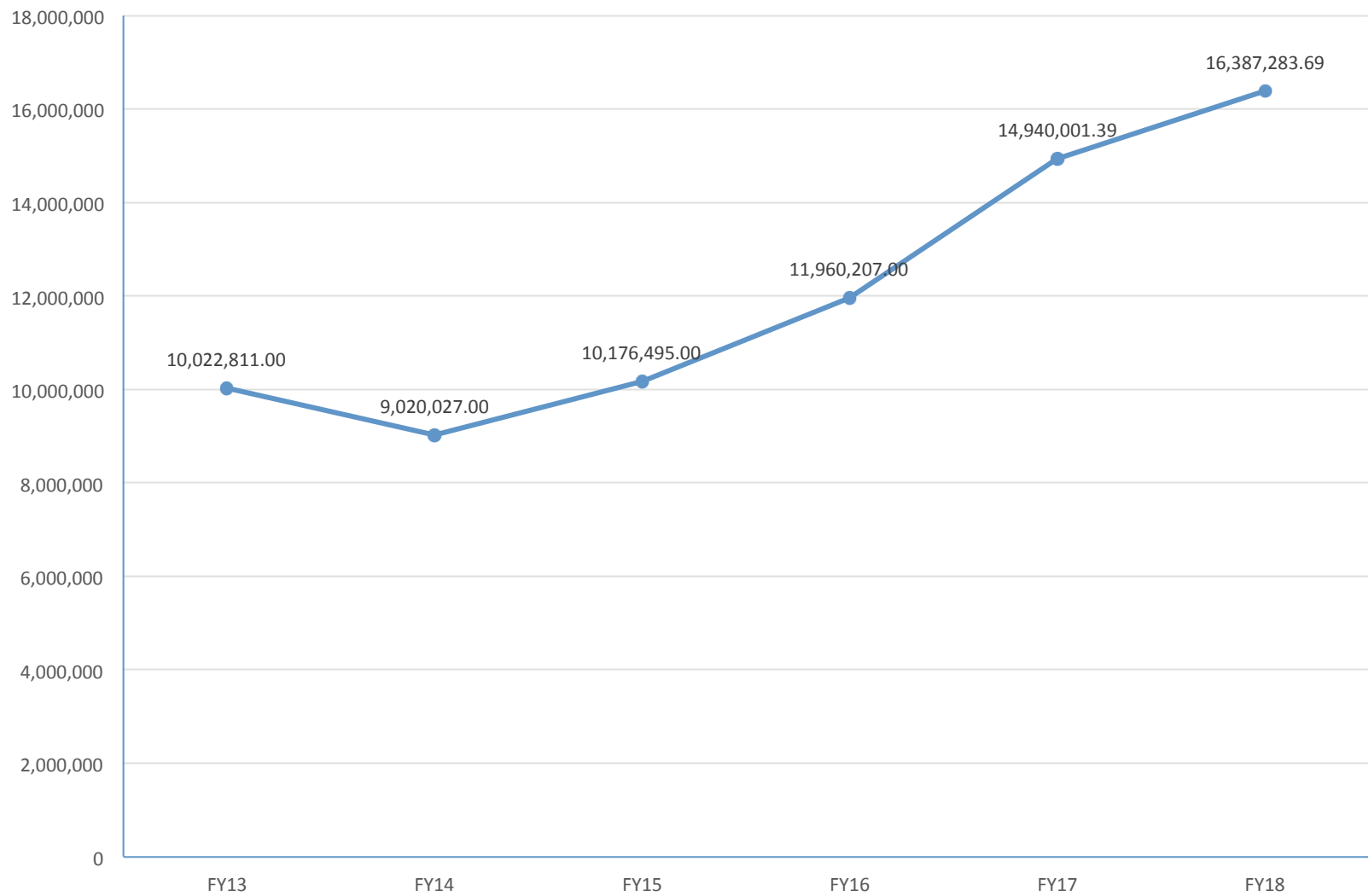
GSO Awards by Unit, FY13-18



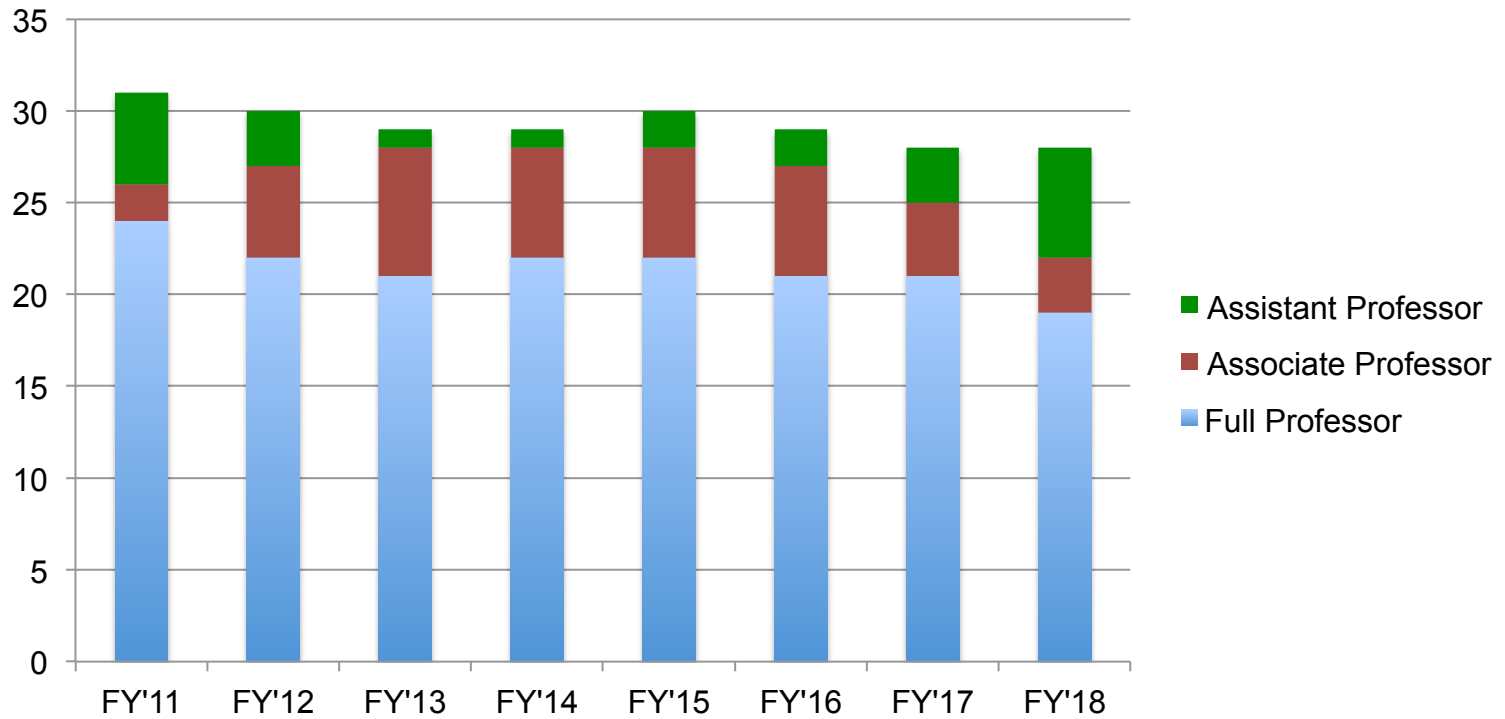
CRC Awards (ex Sea Grant)



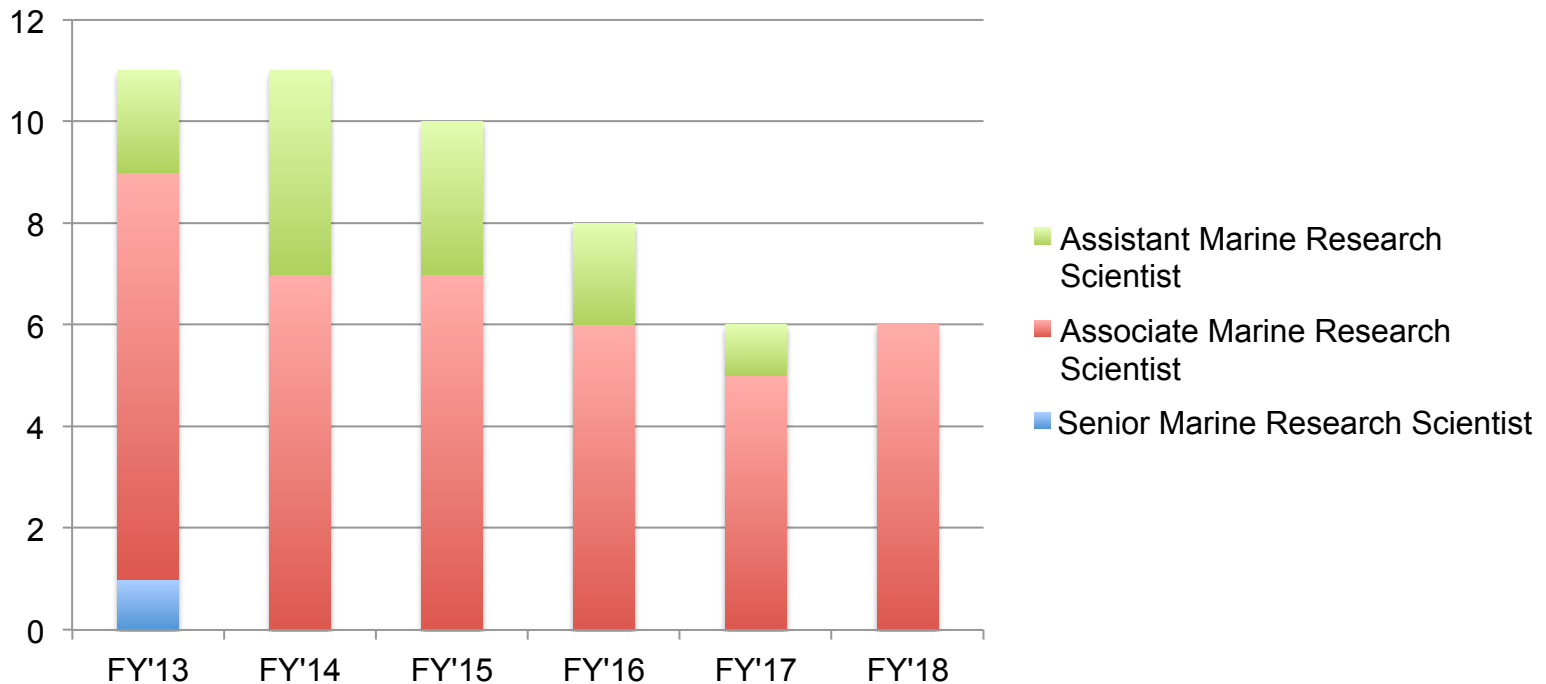
GSO Faculty Awards



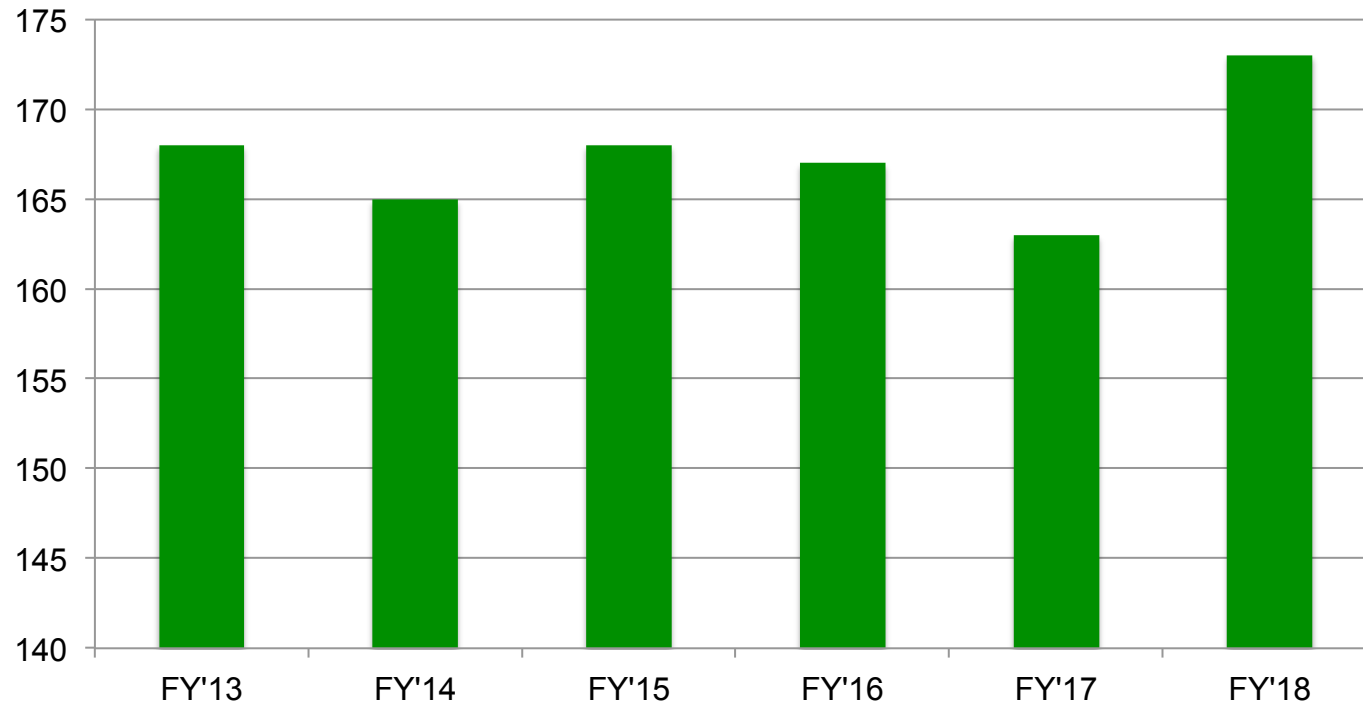
GSO Faculty



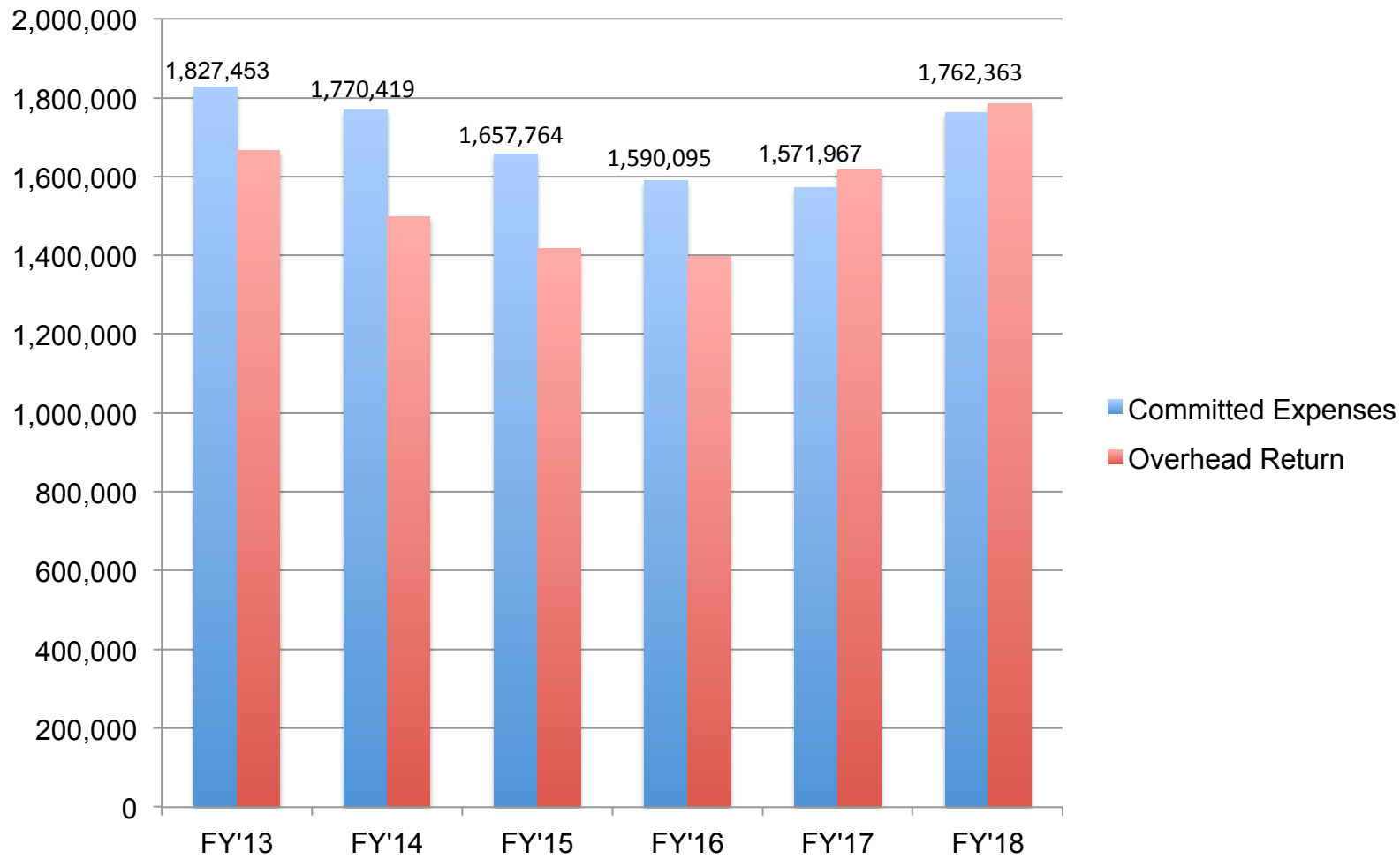
GSO Marine Research Scientists



GSO Admin, Research, Ship, Support Staff

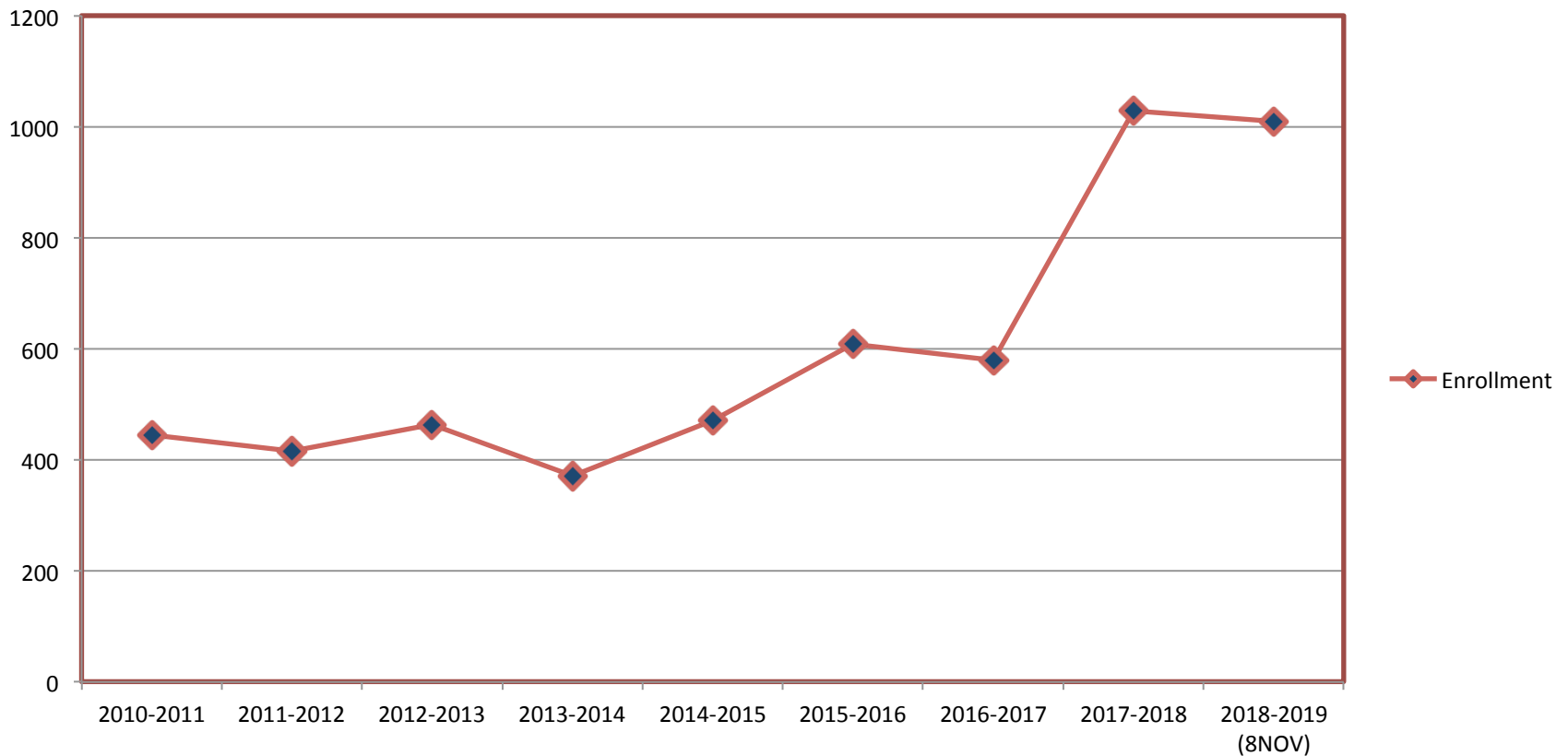


Committed Overhead Expenses vs. Overhead Return

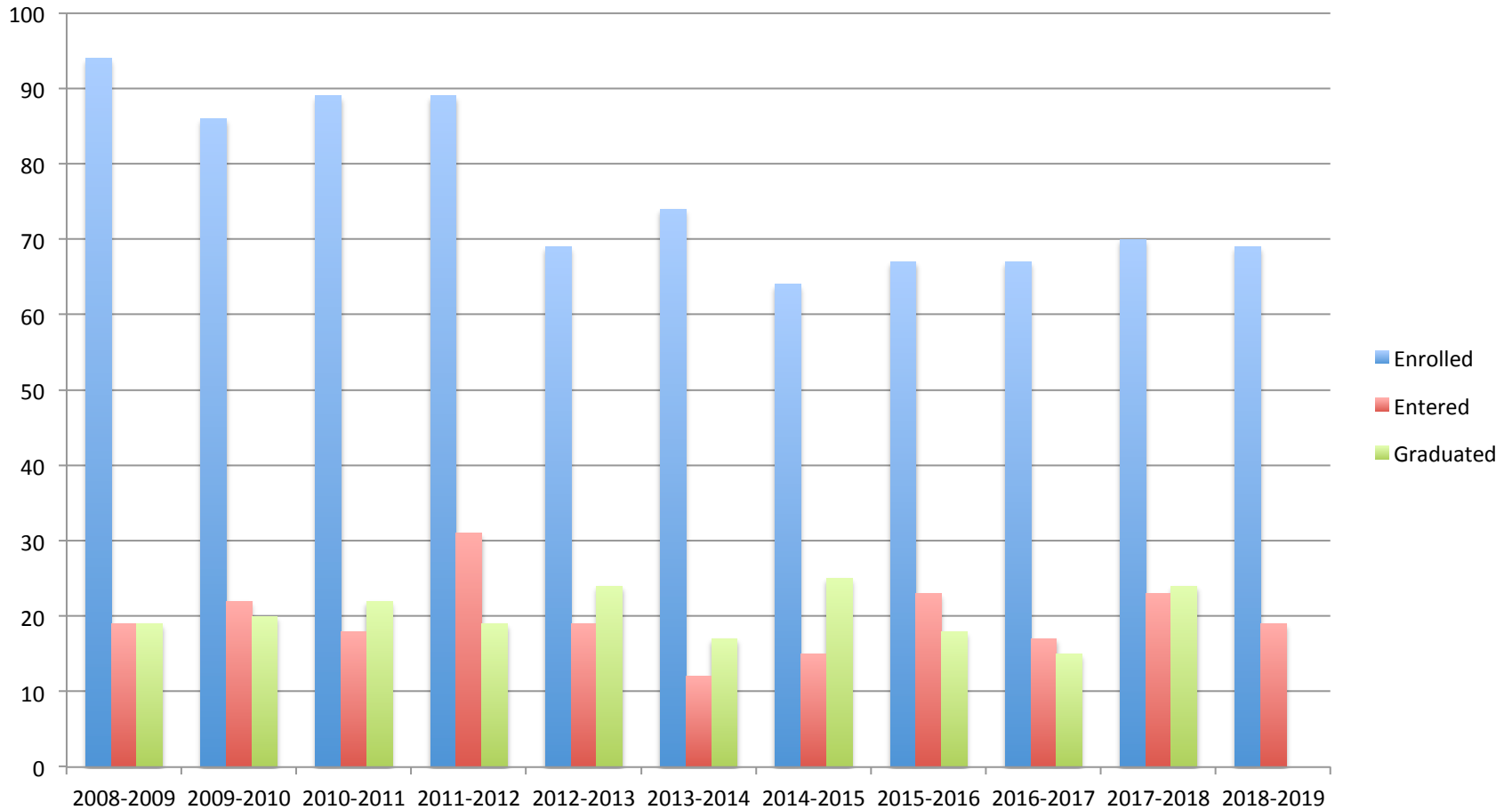


Undergraduate Enrollments

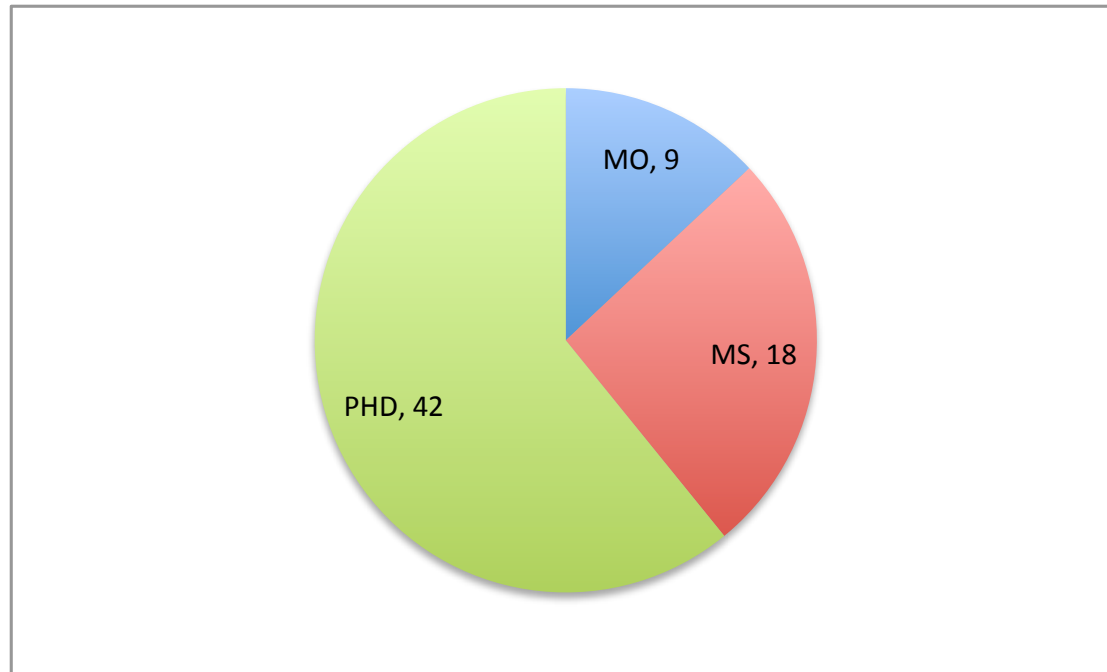
Undergraduate Enrollment

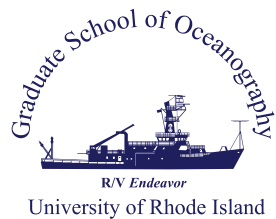


GSO Student Data



GSO Students by Degree





Other GSO Personnel Transitions

Departures:

Samuel Bell, Post-Doctoral Fellow

Christopher Condit, Marine Research Associate III

Lawrence Creegan, Semi-Skilled Laborer

Nigel D'Souza, Post-Doctoral Fellow

Melanie Feen, Marine Research Assistant II

Erich Gruebel, Ships Technician III

Morgan Haldeman, Marine Research Specialist I

Sara Hickox, Director Office of Marine Programs

Mary Jane James-Pirri, Marine Research Associate IV

Eric Klos, Coordinator NBC Facility Operations

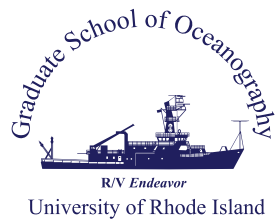
Donna Mattera, Assistant Business Management Officer

Martha McConnell, Coordinator STEEP

Danielle Moore, Marine Research Assistant II

Linda Palazzo, Supervising Campus Patrol Person

Donald Robadue, Associate Coastal Resources Manager



Other GSO Personnel Transitions

More Departures:

Joanne Schwartzkopf, Accountant Grant & Contract Accounting

Helen Silvestri, Property Control and Supply Office

Clara Smart, Post-Doctoral Fellow

Tiffany Smythe, Marine Research Associate IV

Rodrigue, Spinette, Marine Research Associate II

Adrien Tableau, Post-Doctoral Fellow

Marsha Warren, Scientific Research Grant Assistant

Christopher Wroblewski, A/B Seaman R/V Endeavor

Other GSO Personnel Transitions

Arrivals:

Jitka Becanova, Post-Doctoral Fellow

David Casagrande, Associate Marine Development Engineer I

Peter Freeman, Marine Research Associate III

Morgan Haldeman, Marine Research Specialist I

Peter Hanlon, Assistant Director Office of Marine Programs

Ashley Hayden, Manager, Marine Operations

Zoe Hutchison, Post-Doctoral Fellow

Caryl Jardon, Scientific Research Grant Assistant

Wendy Lucht, Coordinator STEEP

Gabriel Matthias, Ships Technician III

Mary McKenzie, Marine Research Assistant III

Heather McNair, Post-Doctoral Fellow

John Morgan, Program Aide

Seth Pilotte, Coordinator NBC Facility Operations

Simon Vojta, Post-Doctoral Fellow

Stacey Williams, Fiscal Clerk

Mingxi Zhou, Assistant Professor

Transitions

Retirees:

Sara Hickox, service to GSO: 10/27/75- 03/18/18

Eric Klos, service to GSO: 07/01/75 - 02/02 /18

Linda Palazzo, service to GSO: 07/14/02 - 02/16/03 & 12/14/08 - 03/15/18

Donald Robadue, service to GSO: 06/06/77 - 09/18/18

Joanne Schwartzkopf, service to GSO: 05/07/89 - 08/30/18

Helen Silvestri, service to GSO: 11/21/99 - 11/28/04 & 01/15/12 - 01/31/18

Marsha Warren, service to GSO: 10/23/88 - 02/15/18

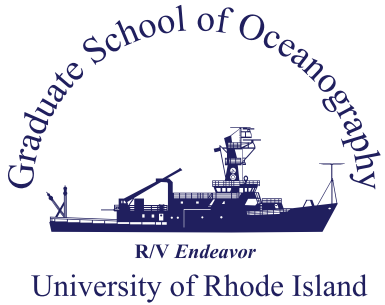
Deceased:

H. Perry Jeffries, service to GSO: 1959 – 1992

Saul Saila, service to GSO: 1956 – 1988

Jean-Guy Schilling, service to GSO: 1966 – 2003

Robert Sexton, service to GSO: 1983- 1990

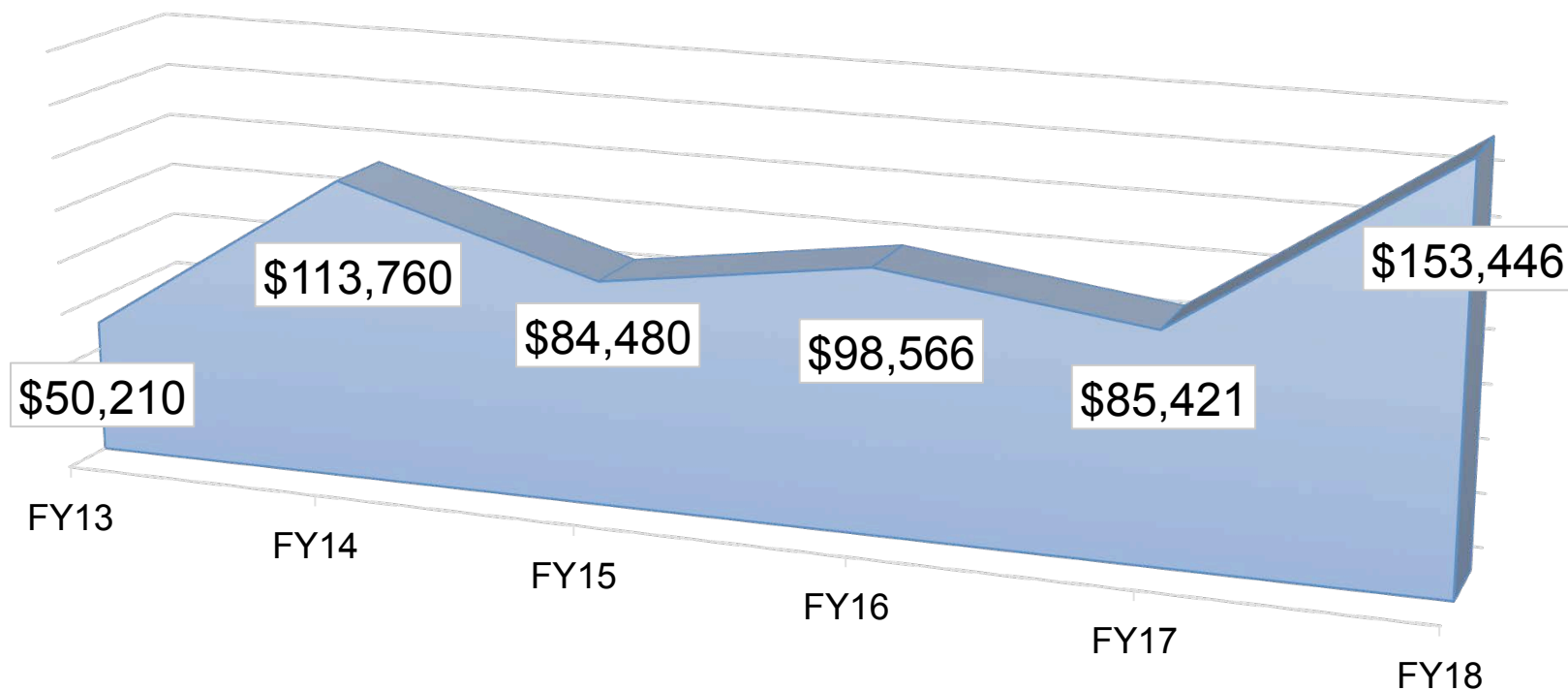


The Graduate School of Oceanography

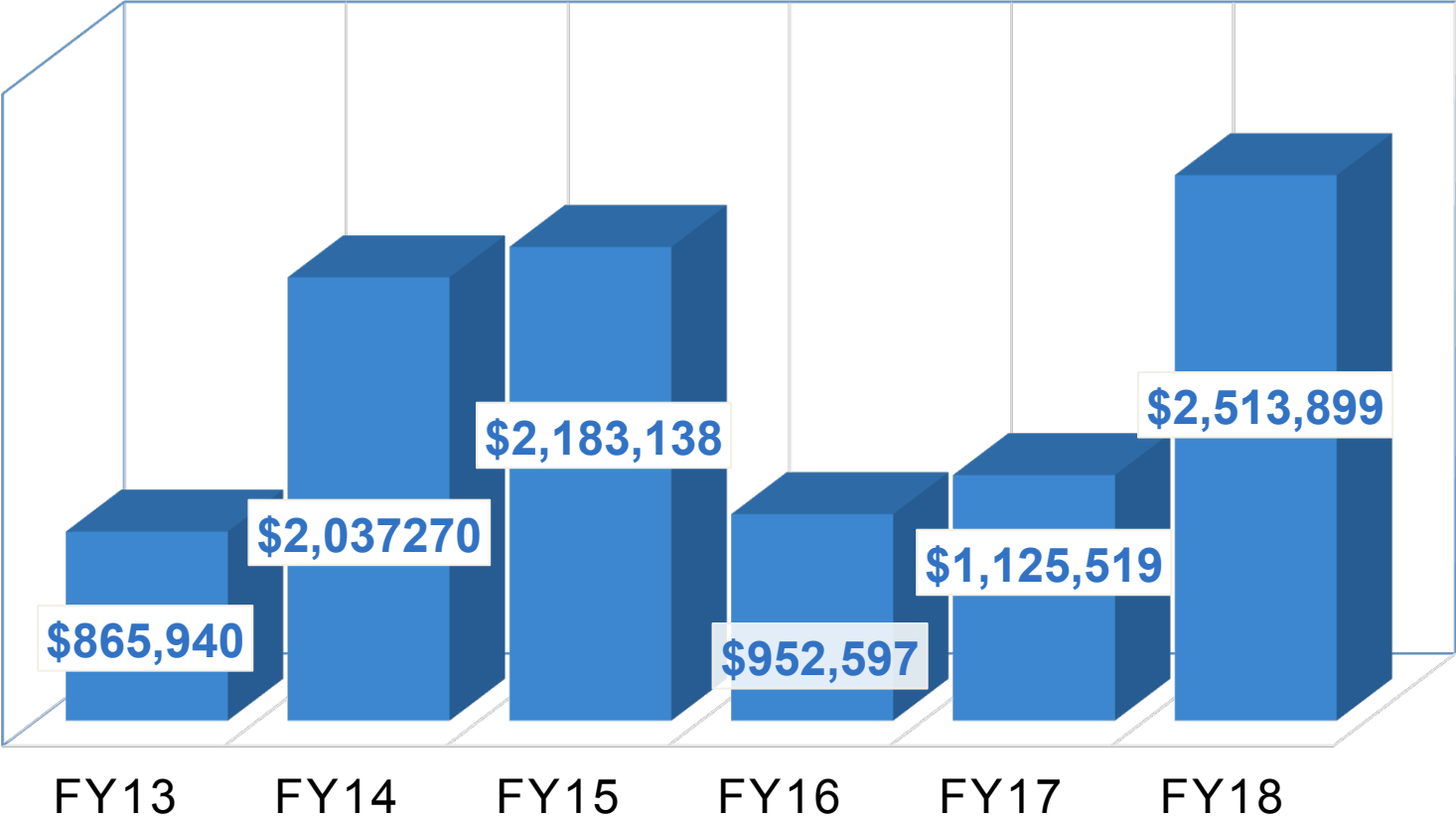
Administration Activities

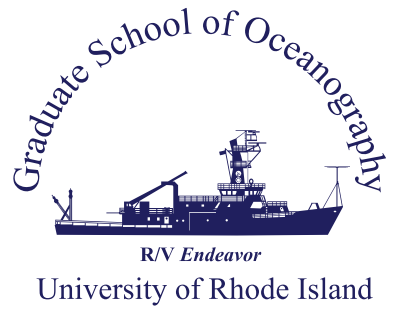
1. Dean's Office financial reporting enhancements
2. Randy Watts PIES Export Control issues
3. EDL Restructuring
4. Inner Space Center - Service Center
5. OMP Relaunch, Communications & Marketing - digital, print, media in support of \$\$\$ (bond campaign, fundraising)
6. Grant Support Staff oversight
7. OHPRI and the NWP Project

The GSO Annual Fund, a 6-Year History



GSO Total New Commitments





Graduate School of Oceanography University of Rhode Island



- Sea Grant
- CRC
- ISC
- CI



R/V Endeavor

University of Rhode Island

THE
UNIVERSITY
OF RHODE ISLAND
QUADANGLES

SPRING 2018

Big Fish

The quest to farm yellowfin tuna | 12

Aquaculture Research *(RI-based Greenfins)*









Shallow Water Mesocosm



NOAA Cooperative Institute: Competition for Ocean Exploration (\$12.5M)



Ocean Exploration
and Research

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Call for Applications for a Cooperative Institute for Ocean Exploration

To advance the national interest in ocean exploration, [NOAA's Office of Oceanic and Atmospheric Research](#) (OAR) invites applications for the establishment of a [Cooperative Institute](#) (CI) to:

- a. discover and initially characterize new marine flora, fauna, and phenomena in support of NOAA and national priorities;
- b. advance NOAA and national undersea technology capabilities in partnership with academia, the private sector, and not-for-profit institutions; and
- c. enhance the utility of ocean exploration results to stakeholders.

This CI will facilitate a long-term collaborative environment between NOAA and the recipient(s), where broad-based exploration, research, technology development, and education and outreach capabilities focused on NOAA's priorities for the global ocean's living and non-living resources can be developed and sustained.

Visit [here](#) for details about the application, review, and selection process. All submission packages must be received by **5pm ET on Monday, October 15, 2018**. Questions may be directed to candice.jongsma@noaa.gov.

NOAA Cooperative Institute: Competition for CINAR (\$4.4M)

GRANTS.GOV > View Opportunity

VIEW GRANT OPPORTUNITY



NOAA-OAR-CIPO-2019-2005601

Competition for a Cooperative Institute for the North Atlantic Region
Department of Commerce

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SYNOPSIS

VERSION HISTORY

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PACKAGE

Print Synopsis Details



General Information

Document Type: Grants Notice

Version: Synopsis 4

Funding Opportunity Number: NOAA-OAR-CIPO-2019-2005601

Posted Date: Sep 14, 2018

Funding Opportunity Title: Competition for a Cooperative Institute for the North Atlantic Region

Last Updated Date: Sep 18, 2018

Opportunity Category: Discretionary

Original Closing Date for Applications: Nov 05, 2018

Opportunity Category Explanation:

Current Closing Date for Applications: Nov 14, 2018

Funding Instrument Type: Cooperative Agreement

Archive Date: Dec 05, 2018

Category of Funding Activity: Environment
Natural Resources
Science and Technology and other Research and Development

Estimated Total Program Funding: \$60,000,000

Award Ceiling: \$60,000,000

Award Floor: \$35,000,000

Category Explanation:

Expected Number of Awards: 1

CFDA Number(s): 11.432 -- National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes

Cost Sharing or Matching Requirement: Yes



URI-LED CONSORTIUM SELECTED TO OPERATE NEW RESEARCH SHIP TO REPLACE R/V ENDEAVOR

[CLICK HERE TO READ MORE!](#)

UPCOMING EVENTS

2018 NSF UNOLS Chief Scientist Training Cruise – East Pacific Rise 9° 50'N

12/03/2018 R/V Atlantis

2018 DeSSC New User Program (NUP)

12/08/2018 Washington, DC

2018 DeSSC Winter Meeting

12/09/2018 Washington, DC

2018 MSROC Winter Meeting

12/09/2018 Washington, DC

[VIEW EVENTS CALENDAR](#)

UNOLS Office



The UNOLS Office is located at:
Graduate School of Oceanography/URI - Box 32
Ocean Science and Exploration Center
215 South Ferry Road
Narragansett, RI 02882

UNOLS OFFICE PHONE: 401.874.6005



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Division of Ocean Sciences

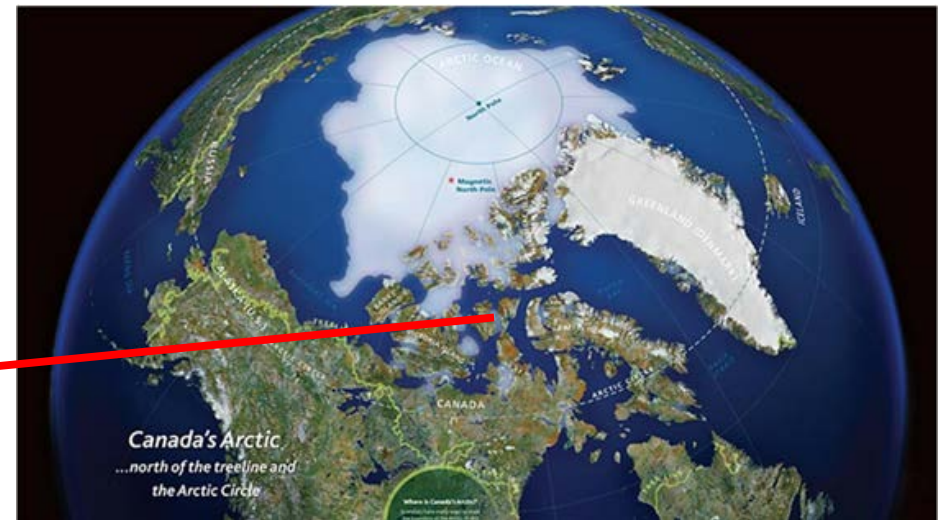
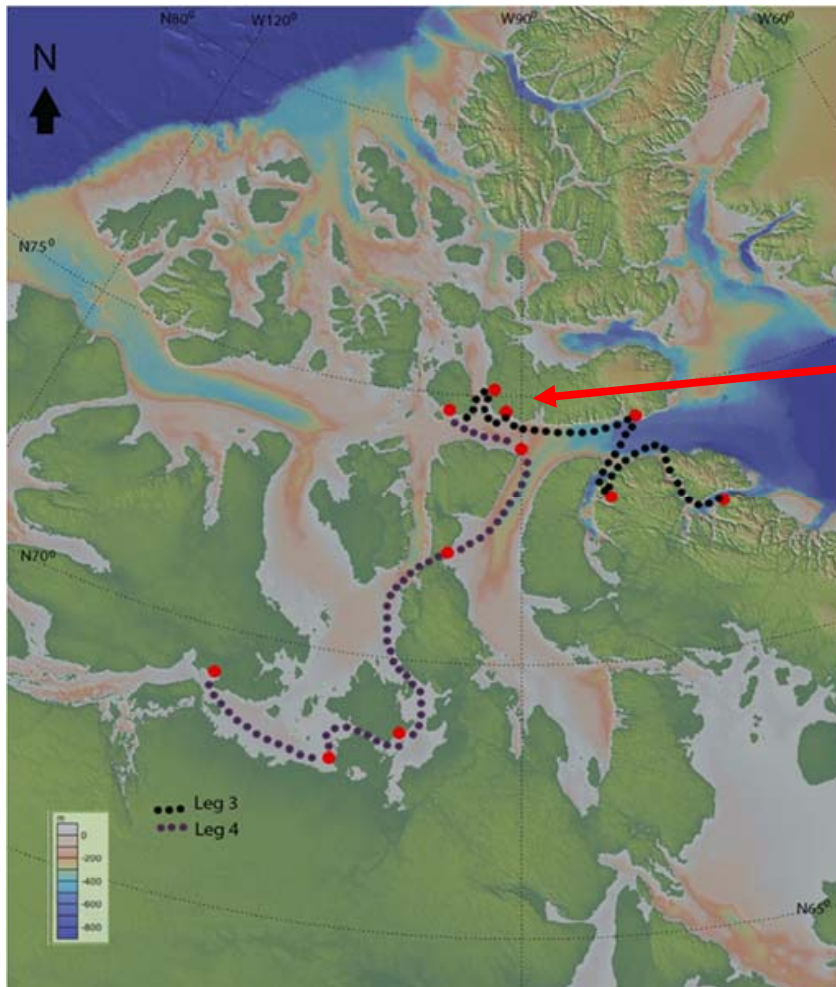
Ocean Observatories Initiative Facility Board (OOIFB) Administrative Support Office

CONTACTS

Name	Email	Phone	Room
Lisa M. Clough	lclough@nsf.gov	(703) 292-4746	
Bauke Houtman	bhoutman@nsf.gov	(703) 292-7704	

PROGRAM GUIDELINES

Solicitation [18-527](#)



The Journey—The maps chart legs three and four of the expedition from Pond Inlet in Baffin Island to Resolute on Cornwallis Island, and from Resolute to Cambridge.

Blog

OCEAN CURRENTS

A Ship Runs Aground in the Arctic Ocean

The best—and worst—case scenarios as vessel traffic increases in the Arctic.

SEPTEMBER 3, 2018



AUTHOR
Andrew Hartsig

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TAGS

[Akademik Ioffe](#), [Arctic shipping](#), [Canadian Arctic](#), [heavy fuel oil](#), [Northwest Passage](#), [shipping accident](#)



The [Fabien Cousteau Ocean Learning Center](#) ("OLC") was founded in 2016 as a 501(c)(3) by world renowned oceanographic explorer, conservationist and documentary filmmaker Fabien Cousteau to fulfill his dream of creating a vehicle for positive change in the world.

The OLC will focus on Public Awareness ([SEE](#)), Education ([LEARN](#)) and Special Projects ([DO](#)). Some of these activities and initiatives include: coral reef restoration programs, sea turtles restoration programs, and educational resources ranging from elementary to university material as well museum programming. These components will allow us to empower communities and children to help restore local water ecosystems through the healthy "replanting" of key marine species.



Be the first of your friends to like this



Office of Marine Programs

2018 GSO Open House

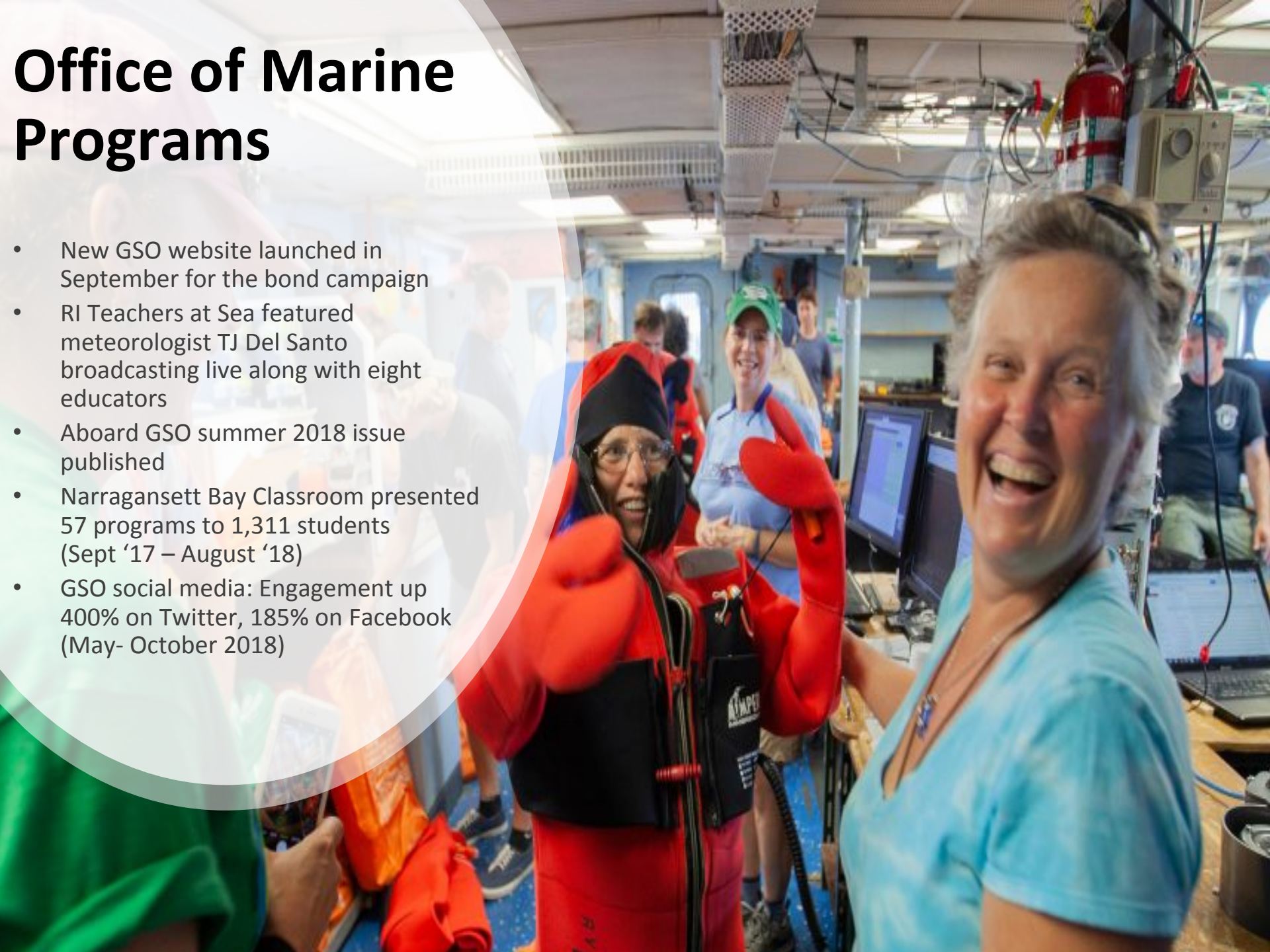
- Nearly 200 volunteers
- 27 exhibits in the quad
- 12 tours & events in other locations around campus
- 408 Endeavor tours booked
- 345 ISC tours booked
- Narragansett Bay Classroom, plankton drawing workshop and Greenfins tuna feeding all booked.
- 50 attendees at oceanography career panel, many of whom were high school students.



Photo: Alex DeCiccio

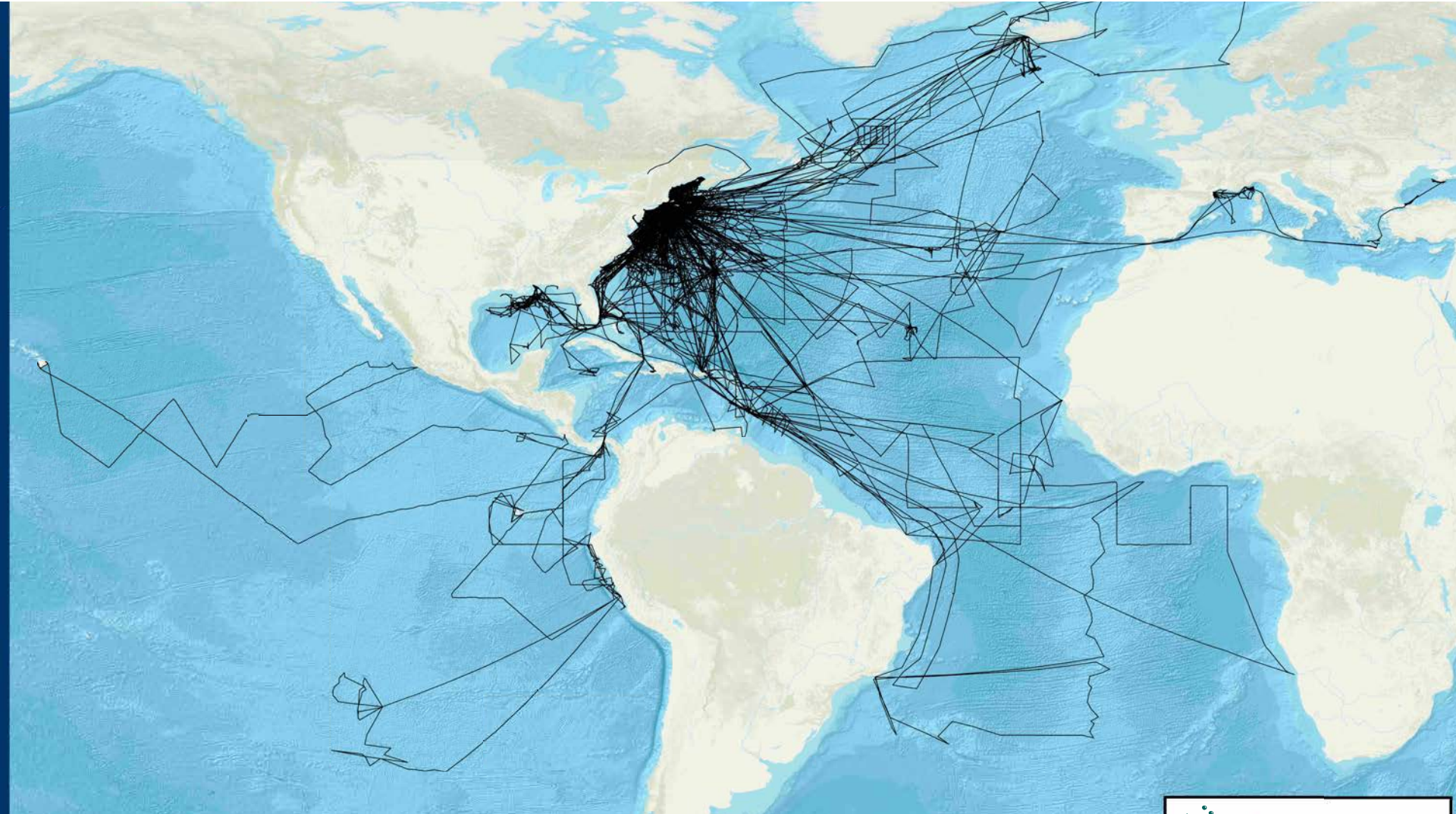
Office of Marine Programs

- New GSO website launched in September for the bond campaign
- RI Teachers at Sea featured meteorologist TJ Del Santo broadcasting live along with eight educators
- Aboard GSO summer 2018 issue published
- Narragansett Bay Classroom presented 57 programs to 1,311 students (Sept '17 – August '18)
- GSO social media: Engagement up 400% on Twitter, 185% on Facebook (May- October 2018)





R/V Endeavor



R/V ENDEAVOR - Sailing Worksheet 2018

Jan	Mon, 1	Tue, 2	Wed, 3	Thu, 4	Fri, 5	Sat, 6	Su, 7	Mon, 8	Tue, 9	Wed, 10	Thu, 11	Fri, 12	Sat, 13	Sun, 14	Mon, 15	Tue, 16	Wed, 17	Thu, 18	Fri, 19	Sat, 20	Sun, 21	Mon, 22	Tue, 23	Wed, 24	Thu, 25	Fri, 26	Sat, 27	Sun, 28	Mon, 29	Tue, 30	Wed, 31	OPS DAYS	
	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	MD	Ops	1	
	SENESCO Repair Yard, North Kingstown																														GSO		
Feb	Thu, 1	Fri, 2	Sat, 3	Sun, 4	Mon, 5	Tue, 6	Wed, 7	Thu, 8	Fri, 9	Sat, 10	Sun, 11	Mon, 12	Tue, 13	Wed, 14	Thu, 15	Fri, 16	Sat, 17	Sun, 18	Mon, 19	Tue, 20	Wed, 21	Thu, 22	Fri, 23	Sat, 24	Sun, 25	Mon, 26	Tue, 27	Wed, 28					
	Ops	Ops	Ops	Ops	Ops	MD	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail			5		
	SOSIK					GSO	D'Hondt																										
Mar	Thu, 1	Fri, 2	Sat, 3	Sun, 4	Mon, 5	Tue, 6	Wed, 7	Thu, 8	Fri, 9	Sat, 10	Sun, 11	Mon, 12	Tue, 13	Wed, 14	Thu, 15	Fri, 16	Sat, 17	Sun, 18	Mon, 19	Tue, 20	Wed, 21	Thu, 22	Fri, 23	Sat, 24	Sun, 25	Mon, 26	Tue, 27	Wed, 28	Thu, 29	Fri, 30	Sat, 31		
	MD	NA	NA	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	MD	Avail	MD	RIEP	RIEP	RIEP	RIEP	RIEP	MD	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	13	
	GSO	MARKS										GSO	GSO	D'Hondt					GSO														
April	Sun, 1	Mon, 2	Tue, 3	Wed, 4	Thu, 5	Fri, 6	Sat, 7	Sun, 8	Mon, 9	Tue, 10	Wed, 11	Thu, 12	Fri, 13	Sat, 14	Sun, 15	Mon, 16	Tue, 17	Wed, 18	Thu, 19	Fri, 20	Sat, 21	Sun, 22	Mon, 23	Tue, 24	Wed, 25	Thu, 26	Fri, 27	Sat, 28	Sun, 29	Mon, 30			
	Avail	MD	RIEP	RIEP	RIEP	RIEP	RIEP	RIEP	MD	PM	PM	PM	MD	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	MD	PM	PM	MD	Transit	Transit	Transit	Transit	19	
	GSO	OMAND					GSO	GSO	LIU					GSO	GSO					MONTROYA													
May	Tue, 1	Wed, 2	Thu, 3	Fri, 4	Sat, 5	Sun, 6	Mon, 7	Tue, 8	Wed, 9	Thu, 10	Fri, 11	Sat, 12	Sun, 13	Mon, 14	Tue, 15	Wed, 16	Thu, 17	Fri, 18	Sat, 19	Sun, 20	Mon, 21	Tue, 22	Wed, 23	Thu, 24	Fri, 25	Sat, 26	Sun, 27	Mon, 28	Tue, 29	Wed, 30	Thu, 31		
	Transit	Transit	Transit	MNDM	MNDM	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	31
	BARBADOS													MONTROYA																			
June	Fri, 1	Sat, 2	Sun, 3	Mon, 4	Tue, 5	Wed, 6	Thu, 7	Fri, 8	Sat, 9	Sun, 10	Mon, 11	Tue, 12	Wed, 13	Thu, 14	Fri, 15	Sat, 16	Sun, 17	Mon, 18	Tue, 19	Wed, 20	Thu, 21	Fri, 22	Sat, 23	Sun, 24	Mon, 25	Tue, 26	Wed, 27	Thu, 28	Fri, 29	Sat, 30			
	Ops	MNDM	MNDM	MNDM	MNDM	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	MD	MD	PM	PM	PM	PM	24	
	SAN JUAN, PR													MIKSI-OLDS										GSO	GSO								
July	Sun, 1	Mon, 2	Tue, 3	Wed, 4	Thu, 5	Fri, 6	Sat, 7	Sun, 8	Mon, 9	Tue, 10	Wed, 11	Thu, 12	Fri, 13	Sat, 14	Sun, 15	Mon, 16	Tue, 17	Wed, 18	Thu, 19	Fri, 20	Sat, 21	Sun, 22	Mon, 23	Tue, 24	Wed, 25	Thu, 26	Fri, 27	Sat, 28	Sun, 29	Mon, 30	Tue, 31		
	MD	MD	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	MD	MD	PM	MD	Ops	Ops	Ops	Ops	Ops	Ops	MD	PM	PM	PM	MD	RIEP	20	
	GSO	GSO	BALCH													GSO	GSO	SOSIK					GSO	GSO									
Aug	Wed, 1	Thu, 2	Fri, 3	Sat, 4	Sun, 5	Mon, 6	Tue, 7	Wed, 8	Thu, 9	Fri, 10	Sat, 11	Sun, 12	Mon, 13	Tue, 14	Wed, 15	Thu, 16	Fri, 17	Sat, 18	Sun, 19	Mon, 20	Tue, 21	Wed, 22	Thu, 23	Fri, 24	Sat, 25	Sun, 26	Mon, 27	Tue, 28	Wed, 29	Thu, 30	Fri, 31		
	RIEP	RIEP	MD	NA	NA	NA	NA	NA	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Transit	Transit	MNDM	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	25	
	SMITH	GSO	CFR 46 Weight tests 123 Winches, Cranes									JUHL					Gulfport, MS					JUHL											
Sept	Sat, 1	Sun, 2	Mon, 3	Tue, 4	Wed, 5	Thu, 6	Fri, 7	Sat, 8	Sun, 9	Mon, 10	Tue, 11	Wed, 12	Thu, 13	Fri, 14	Sat, 15	Sun, 16	Mon, 17	Tue, 18	Wed, 19	Thu, 20	Fri, 21	Sat, 22	Sun, 23	Mon, 24	Tue, 25	Wed, 26	Thu, 27	Fri, 28	Sat, 29	Sun, 30			
	Ops	Ops	MNDM	Transit	Transit	Transit	Transit	Transit	Transit	Transit	MNDM	MNDM	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	MNDM	Transit	Transit	Transit	Transit	Transit	Transit	Transit	30	
	Gulfport, MS					D'HOND					San Juan, PR					D'HOND					San Juan, PR					D'HOND							
Oct	Mon, 1	Tue, 2	Wed, 3	Thu, 4	Fri, 5	Sat, 6	Su, 7	Mon, 8	Tue, 9	Wed, 10	Thu, 11	Fri, 12	Sat, 13	Sun, 14	Mon, 15	Tue, 16	Wed, 17	Thu, 18	Fri, 19	Sat, 20	Sun, 21	Mon, 22	Tue, 23	Wed, 24	Thu, 25	Fri, 26	Sat, 27	Sun, 28	Mon, 29	Tue, 30	Wed, 31		
	NA	NA	NA	NA	NA	Avail	Avail	Avail	Avail	NA	NA	Avail	NA	Avail	Avail	Avail	Avail	Avail	MD	Ops	Ops	Ops	Ops	Ops	MD	Avail	Avail	Avail	MD	MD	MD	Ops	5
	Weight test OBH systems									NSF Insp			En Day			TOOLE										GSO	GSO	GSO					
Nov	Thu, 1	Fri, 2	Sat, 3	Sun, 4	Mon, 5	Tue, 6	Wed, 7	Thu, 8	Fri, 9	Sat, 10	Sun, 11	Mon, 12	Tue, 13	Wed, 14	Thu, 15	Fri, 16	Sat, 17	Sun, 18	Mon, 19	Tue, 20	Wed, 21	Thu, 22	Fri, 23	Sat, 24	Sun, 25	Mon, 26	Tue, 27	Wed, 28	Thu, 29	Fri, 30			
	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	Ops	MD	MD	MD	PM	PM	PM	PM	PM	PM	PM	PM		19	
	MIKSI-OLDS																			GSO	GSO	GSO											
Dec	Sat, 1	Sun, 2	Mon, 3	Tue, 4	Wed, 5	Thu, 6	Fri, 7	Sat, 8	Sun, 9	Mon, 10	Tue, 11	Wed, 12	Thu, 13	Fri, 14	Sat, 15	Sun, 16	Mon, 17	Tue, 18	Wed, 19	Thu, 20	Fri, 21	Sat, 22	Sun, 23	Mon, 24	Tue, 25	Wed, 26	Thu, 27	Fri, 28	Sat, 29	Sun, 30	Mon, 31		
	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	0

RIEP Cruises

RIEP Grants, 2019

PI	Proposal	Ship Days
M. Omand	An Endeavor to Explore & Educate (undergraduate class)	6
J. Palter	Endeavor Saildrone Surface Flux Mission	6
R. Beinart	Assessing the role of phosphorous in the chemosynthetic productivity of cold seep mussels.	6
L. Van Uffelen	Marine Mammal Monitoring at Block Island Using Acoustics	4
D. Smith	RI Teachers at Sea	3
		<hr/> 25

RIEP Grants, 2018

PI	Proposal	Ship Days
M. Omand	An Endeavor to Explore & Educate (undergraduate class)	6
S. D'Hondt, C. Roman & R. Pockalny	First Sea Trial of Autonomous Ocean Profiling & Water Sampling System for 1 to 11km of Water Depth	5
D. Smith	RI Teachers at Sea	3
		<hr/> 14

“Tele-presence for Exploration



Inner Space Center

Ship-to-Shore Telepresence



E/V Nautilus





OCEAN NETWORKS CANADA

CASCADIA MARGIN

PACIFIC SEAMOUNTS

MONTEREY BAY

CHANNEL ISLANDS

PAPAHĀNAUMOKUĀKEA
MARINE NATIONAL MONUMENT

LOIHI SEAMOUNT

CLARION CLIPPERTON
FRACTURE ZONE

NAUTILUS LIVE
2018

Okeanos Explorer



NOAA Visit



Expedition Cruising Yachts



ROVs and Telepresence

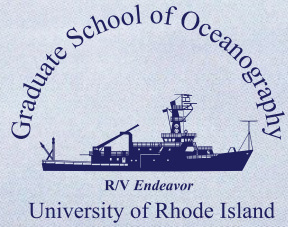




Endura™ ROV

The AquaBotix Endura™ is the latest evolution in AquaBotix's proud history of innovative and advanced remote operated vehicles (ROVs). Endura is easy to use, portable (everything fits into one carry case), and can be customized with a variety of sensors to complete your mission whether simple or complex. Endura is small in size, but powerful in execution, with an industry-leading 5 knots of thrust and a sturdy hydrodynamic design. Its six degrees freedom of motion allows users to fly through the water with intuitive controls.

FIRST IN CLASS



*Design and rendering by
Glostn Associates, Inc.*

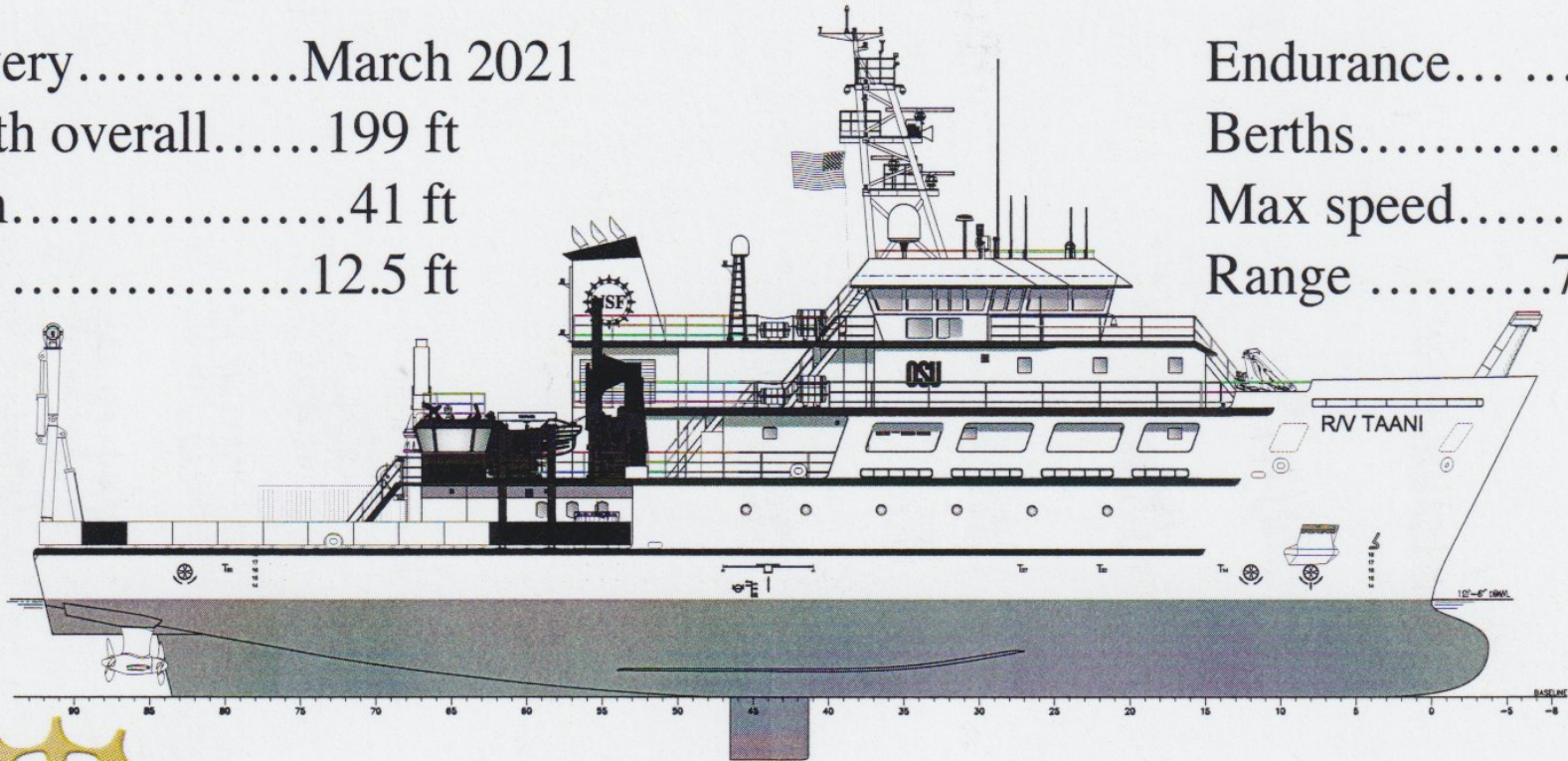
Introducing the 1st Regional Class Research Vessel

R/V Taaní

Siletz for "Offshore"

Delivery.....March 2021
Length overall.....199 ft
Beam.....41 ft
Draft12.5 ft

Endurance... ..21 days
Berths..... 29
Max speed.....13 kt
Range7064 nm



Operated by OSU for the
National Science Foundation &
the University National Oceanographic
Laboratory System (UNOLS)



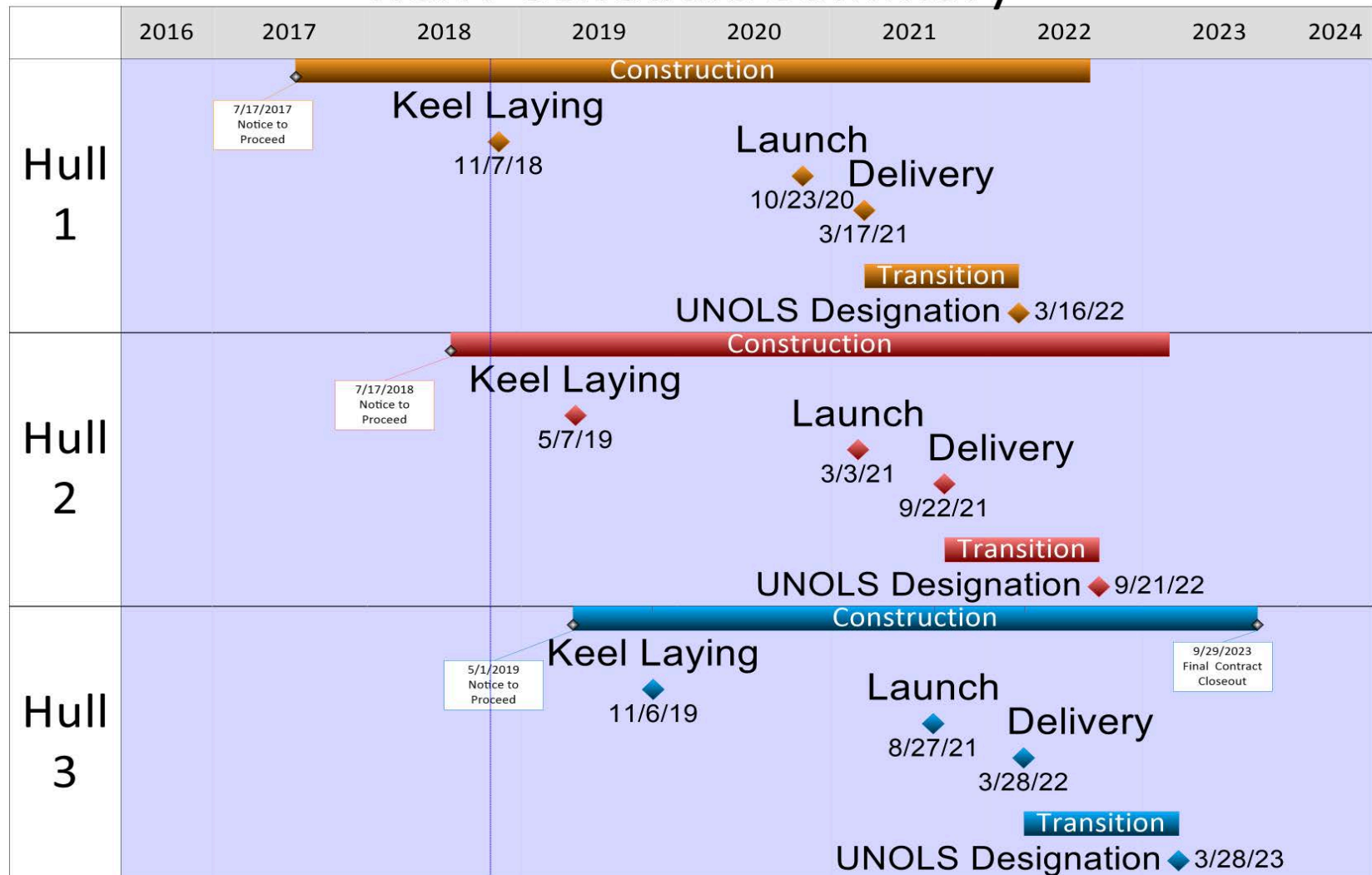
Oregon State
University

CEOAS
College of Earth, Ocean, and Atmospheric Sciences



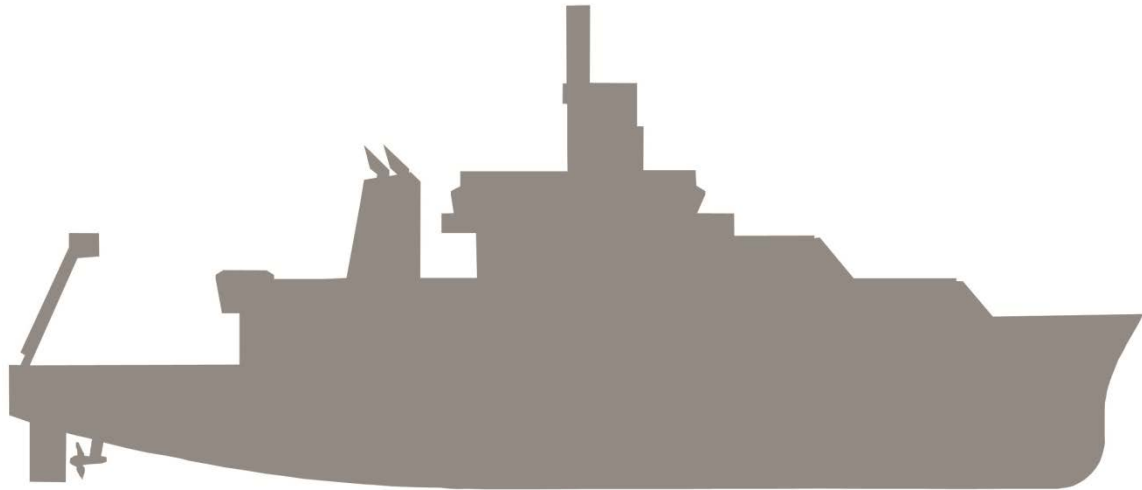
Regional Class Research Vessel (RCRV)

RCRV Schedule Summary



■ Ocean Class (OCRV)

- R/V Sally Ride
- R/V Neil Armstrong
- 238 ft.
- ~3000 tons displacement



■ RCRV

- 199 ft.
- ~1500 tons displacement



The Future of Ocean Research

REGIONAL CLASS RESEARCH VESSEL ATLANTIC OCEAN

Homeport: URI Graduate School of Oceanography
Narragansett, R.I.



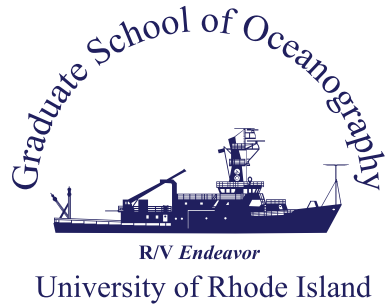
East Coast
Oceanographic
Consortium
Founding Members

THE
UNIVERSITY
OF RHODE ISLAND
GRADUATE SCHOOL
OF OCEANOGRAPHY



University of
New Hampshire

Woods Hole
Oceanographic
INSTITUTION



Graduate School of Oceanography
University of Rhode Island

East Coast Oceanographic Consortium

Members:

URI Graduate School of Oceanography (Operator)
Woods Hole Oceanographic Institution

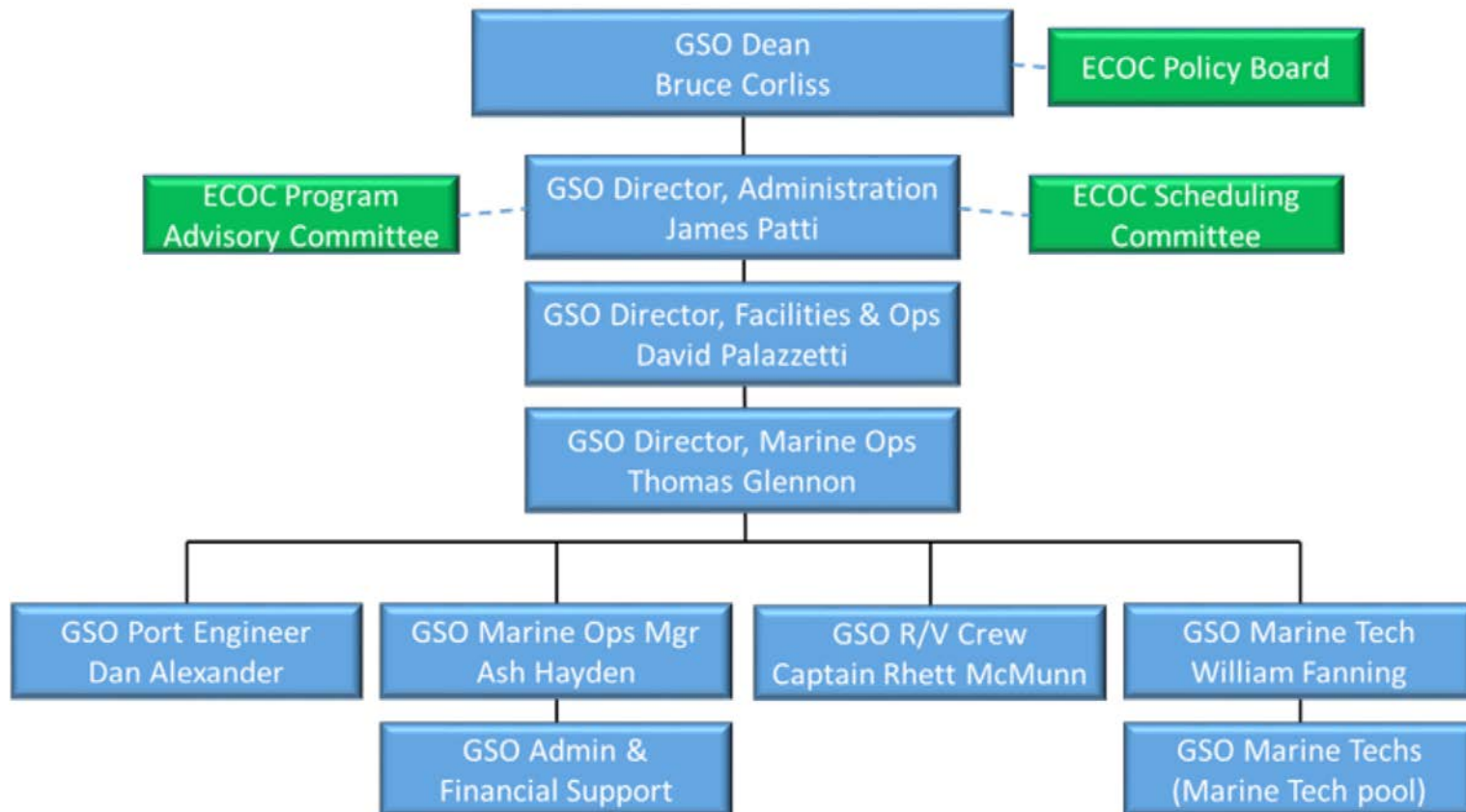
University of New Hampshire

Associate Members:

Bermuda Institute of Ocean Sciences
Brown University
Harvard University
Ocean Exploration Trust
University of Massachusetts Boston
University of Miami
University of South Florida

Bigelow Laboratory for Ocean Sciences
Florida Institute of Oceanography
Lamont Doherty Earth Observatory, Columbia Univ.
University of Maine
University of Massachusetts Dartmouth
University of Puerto Rico-Mayagüez

East Coast Oceanographic Consortium





Narragansett Bay Campus Master Plan

November Bond:

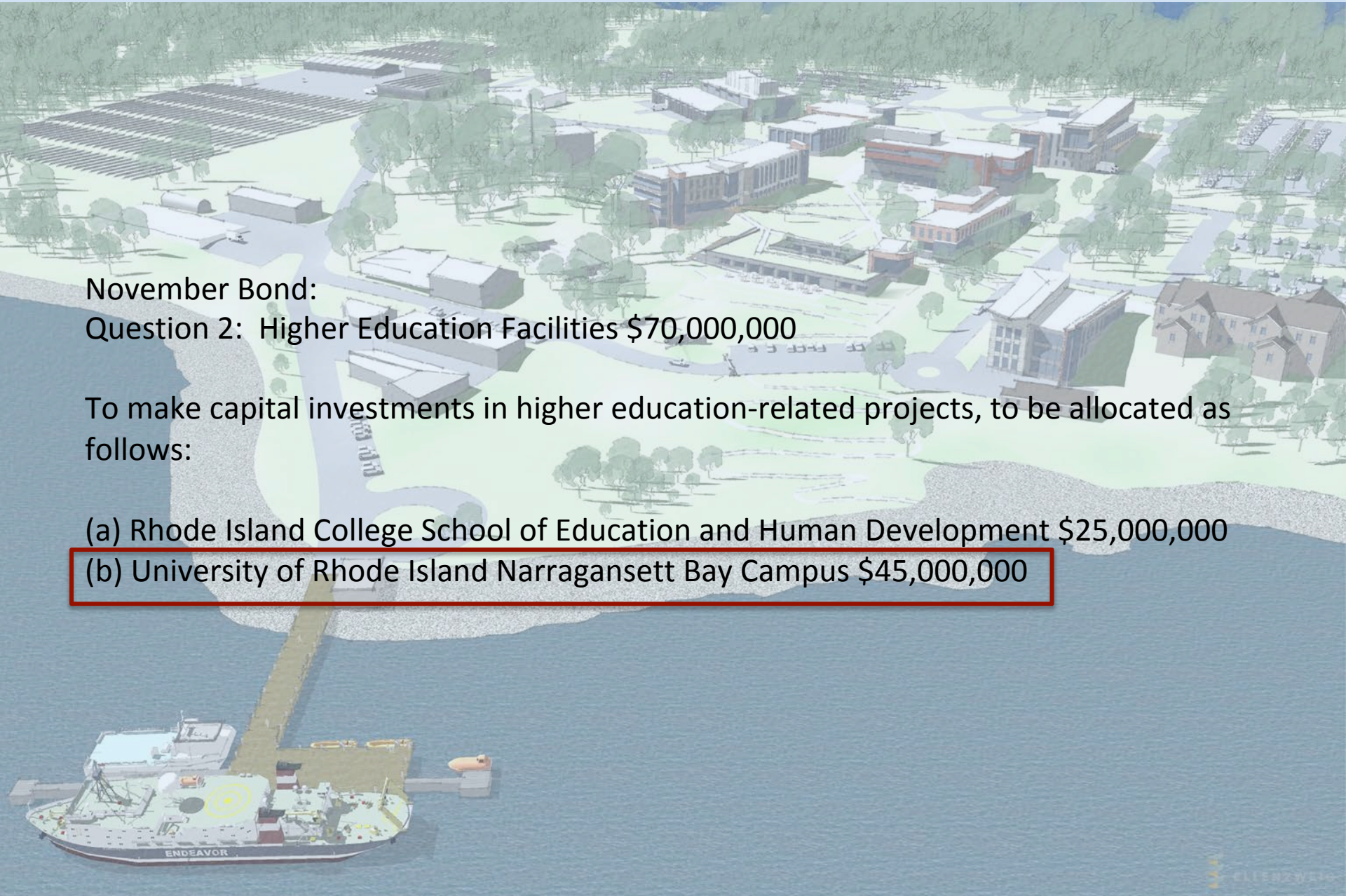
Question 2: Higher Education Facilities \$70,000,000

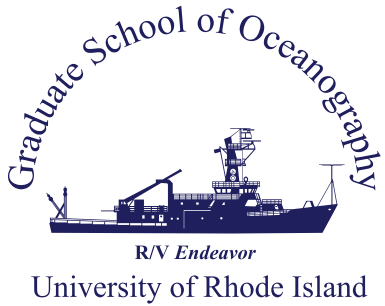
To make capital investments in higher education-related projects, to be allocated as follows:

(a) Rhode Island College School of Education and Human Development \$25,000,000

(b) University of Rhode Island Narragansett Bay Campus \$45,000,000

View from the Northeast





Narragansett Bay Campus Economic Impact

- \$330 million research funding over 10 years
- \$1 billion estimated over the next 30 years

Rhode Island

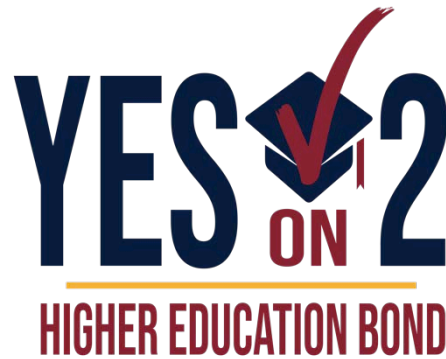
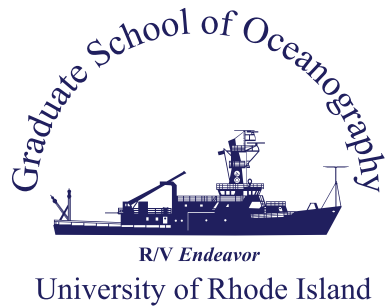
- ▶ 439 jobs
- ▶ \$47.7 million in economic output

National Level (including RI)

- ▶ 572 jobs
- ▶ \$70.9 million in economic output

RI Blue Economy

- ▶ 9 percent of state workforce
- ▶ \$2.4 billion GDP in 2014



- Yes on 2 for a healthy Narragansett Bay and robust coastal fisheries
 - Yes on 2 for coastal resilience for our shorelines, cities and towns
 - Yes on 2 for national and international visibility for Rhode Island
 - Yes on 2 for financial impact: \$1B over the next thirty years
 - Yes on 2 to educate with Ocean Engineering the workforce needed for a Rhode Island Blue Economy
-
- **Yes on 2**

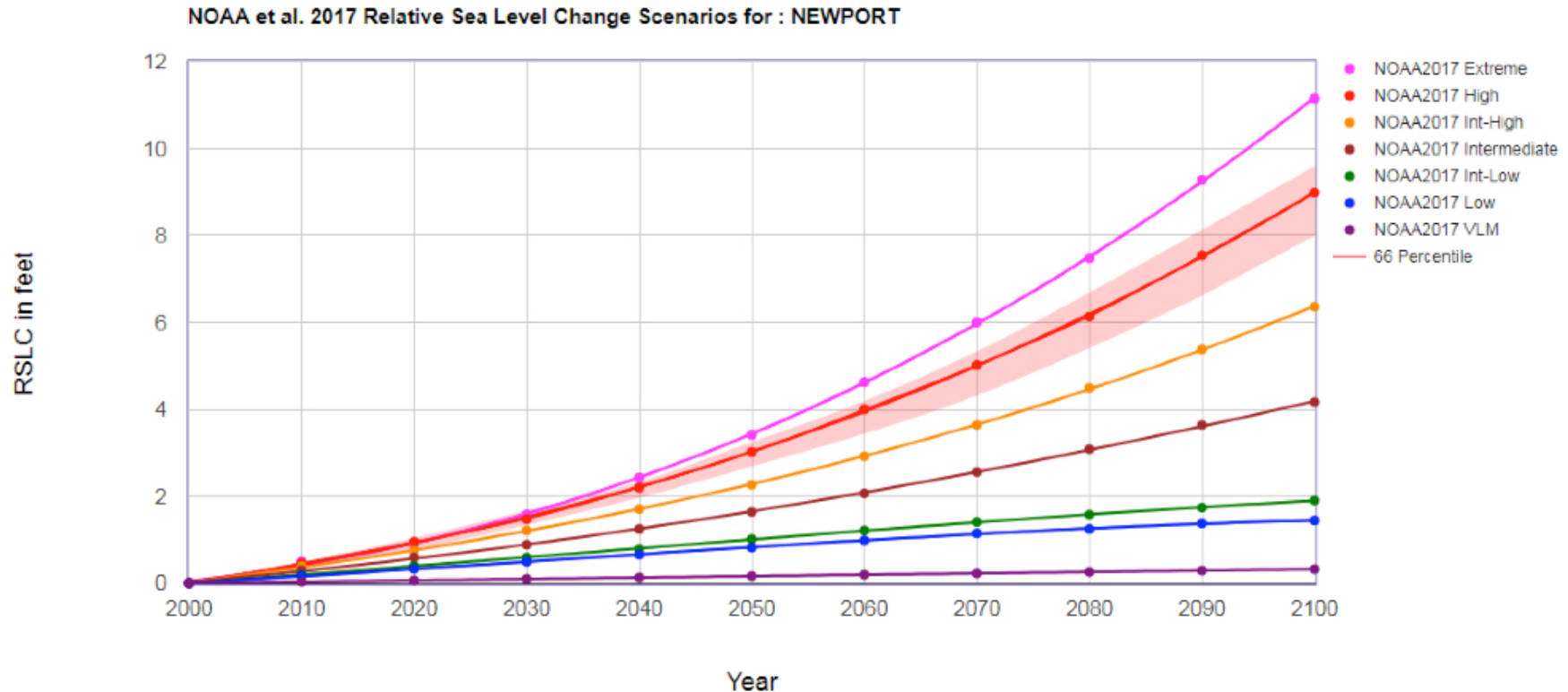
Master Plan Phase 1: \$45M







Relative Sea Level Change for Newport (NOAA et al 2017)



THINK BIG  WE DO™

THE
UNIVERSITY
OF RHODE ISLAND



Coastal Resiliency Symposium – October 16, 2018



Master Plan Components and Sequence (10 year, \$285M)



NARRAGANSETT BAY CAMPUS TOPO MAP



PREPARED BY: SETH PILOTTE
DATE: 10/31/2018
DATA SOURCE: RIGIS 2' CONTOURS (2011 LIDAR)

100 50 0 100 200 Feet



Narragansett Bay Campus Master Plan

Ryan Carrillo, Director
URI Capital Planning & Real Estate
Development

2:45 – 3:05 p.m. Presentation

3:05 – 3:15 p.m. Q&A





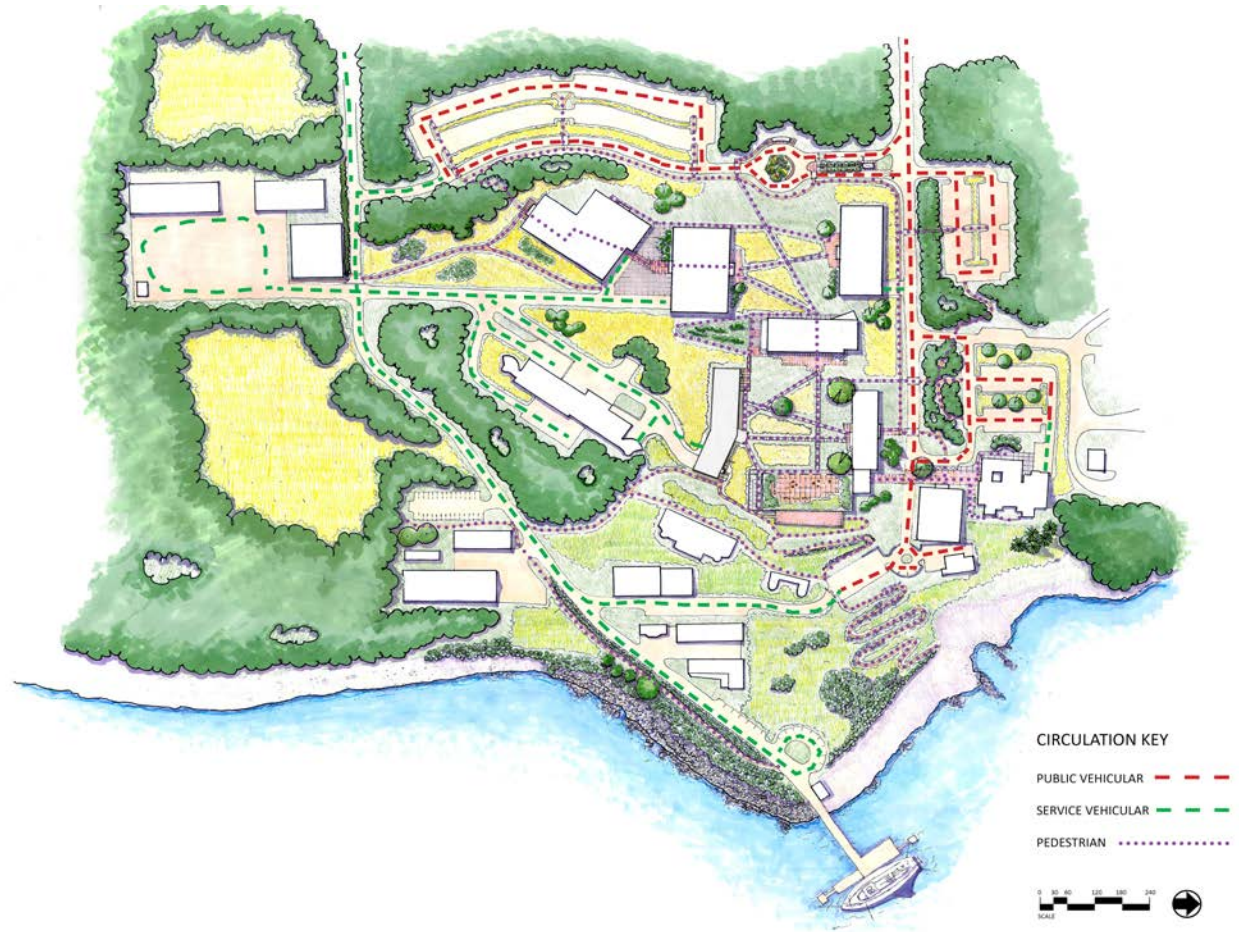
Master Plan

Final Build-Out

View from East



Landscape Approach Pedestrian and Vehicular Circulation

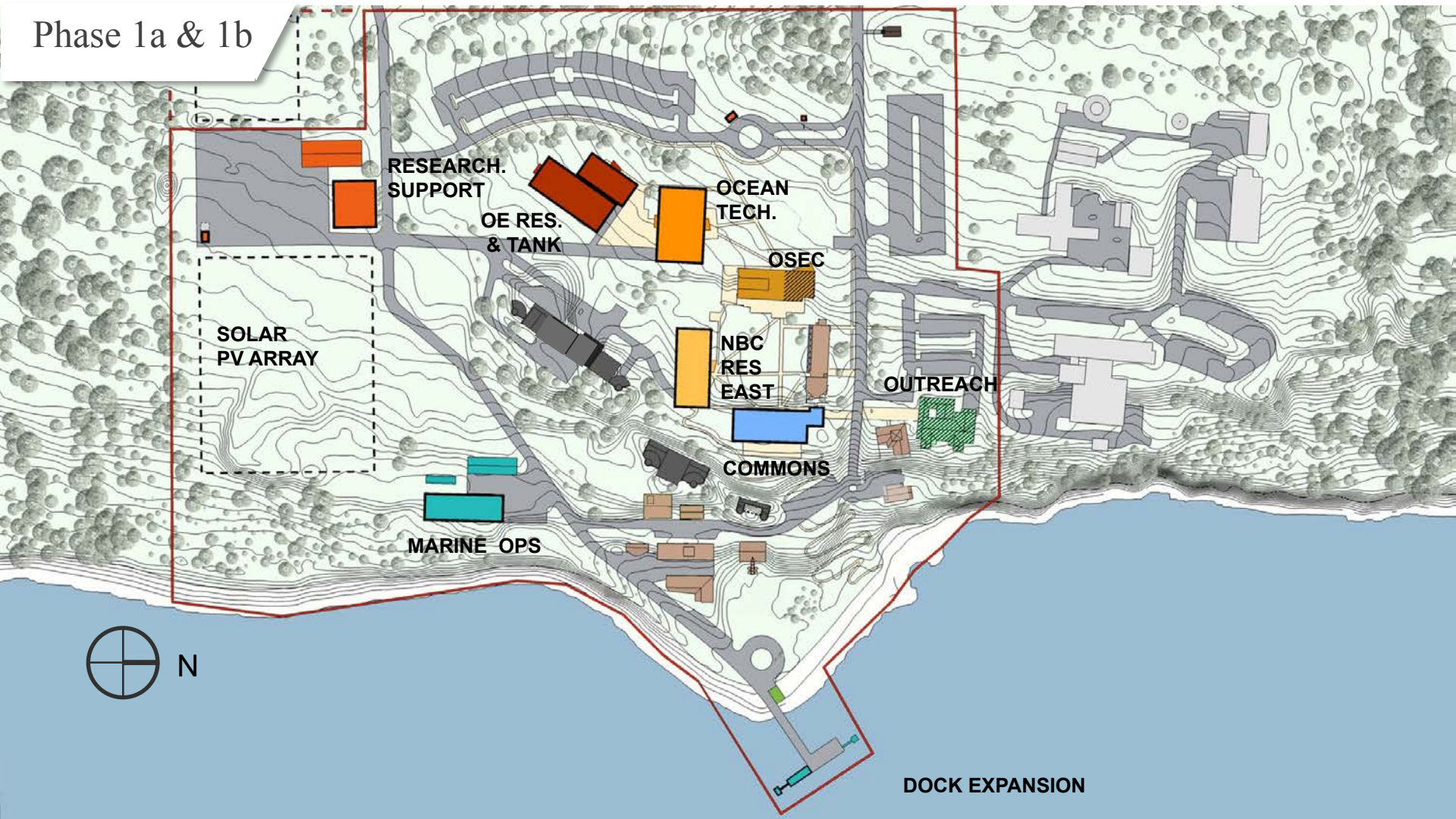




Immediate Areas For Water Quality Improvement



Phase 1a & 1b



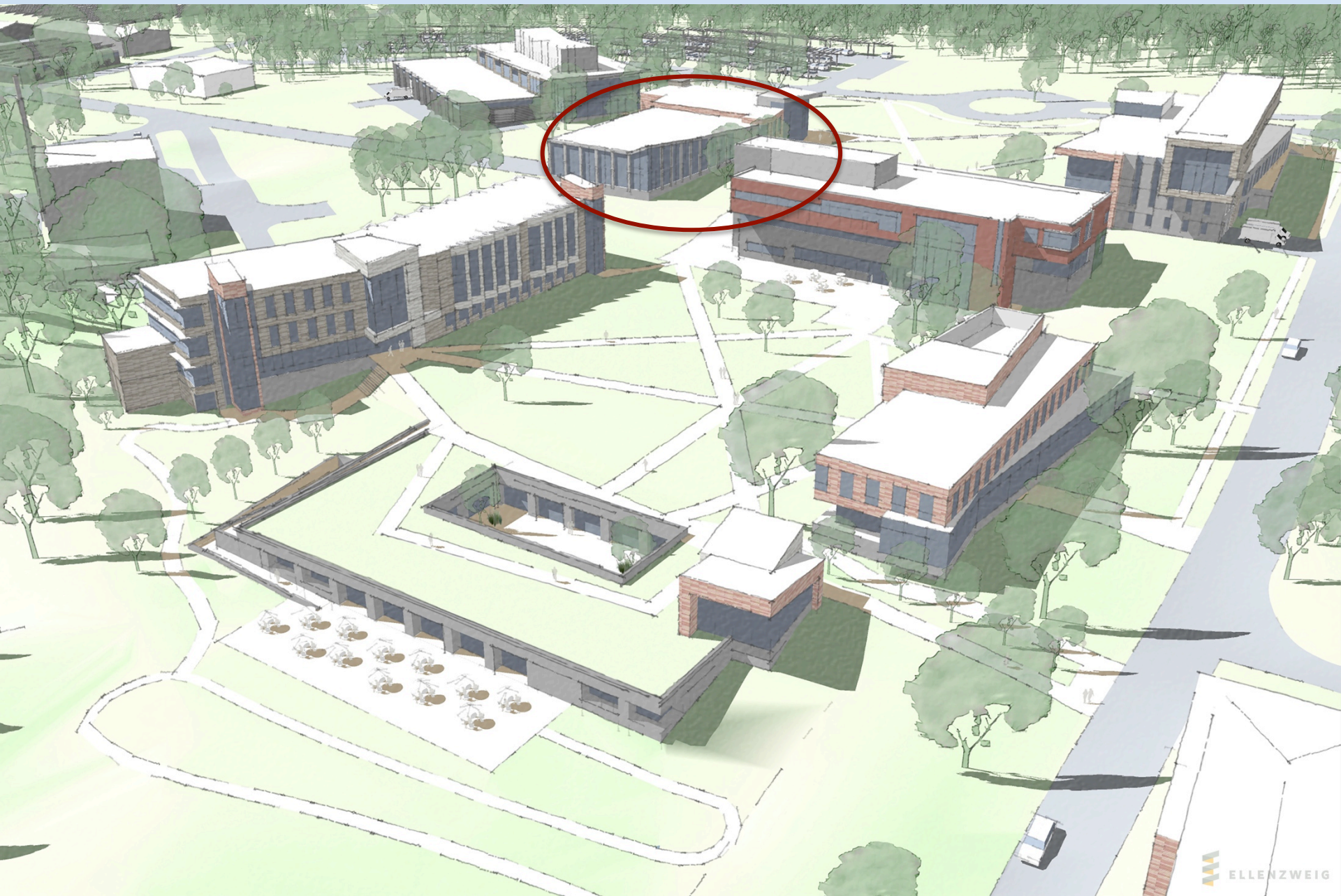
Phase 2



Cost Assessment

GO Bond Strategies	Phase 1a	Phase 1b	Phase 2	Total:
Construction	\$25.4M	\$ 92.7M	\$ 103.2M	\$ 221.3M
Site work	\$11.4M	\$ 5.1M	\$ 22.0M	\$ 38.5M
Soft Costs	\$13.2M	\$ 9.2M	\$ 19.8M	\$ 42.2M
GO Bond Funding:	\$45.0M	\$ 86.0M	\$ 133.0M	\$ 264.0M
Private Funding:	\$ 5.0M	\$ 21.0M	\$ 12.0M	\$ 38.0M
Total Project Cost:	\$50.0M	\$107.0M	\$145.0M	\$302.0M

Narragansett Bay Campus Master Plan



Moving GSO into the next half Century

WHOI LOSOS



Image courtesy of Ellenzweig

WHOI LOSOS



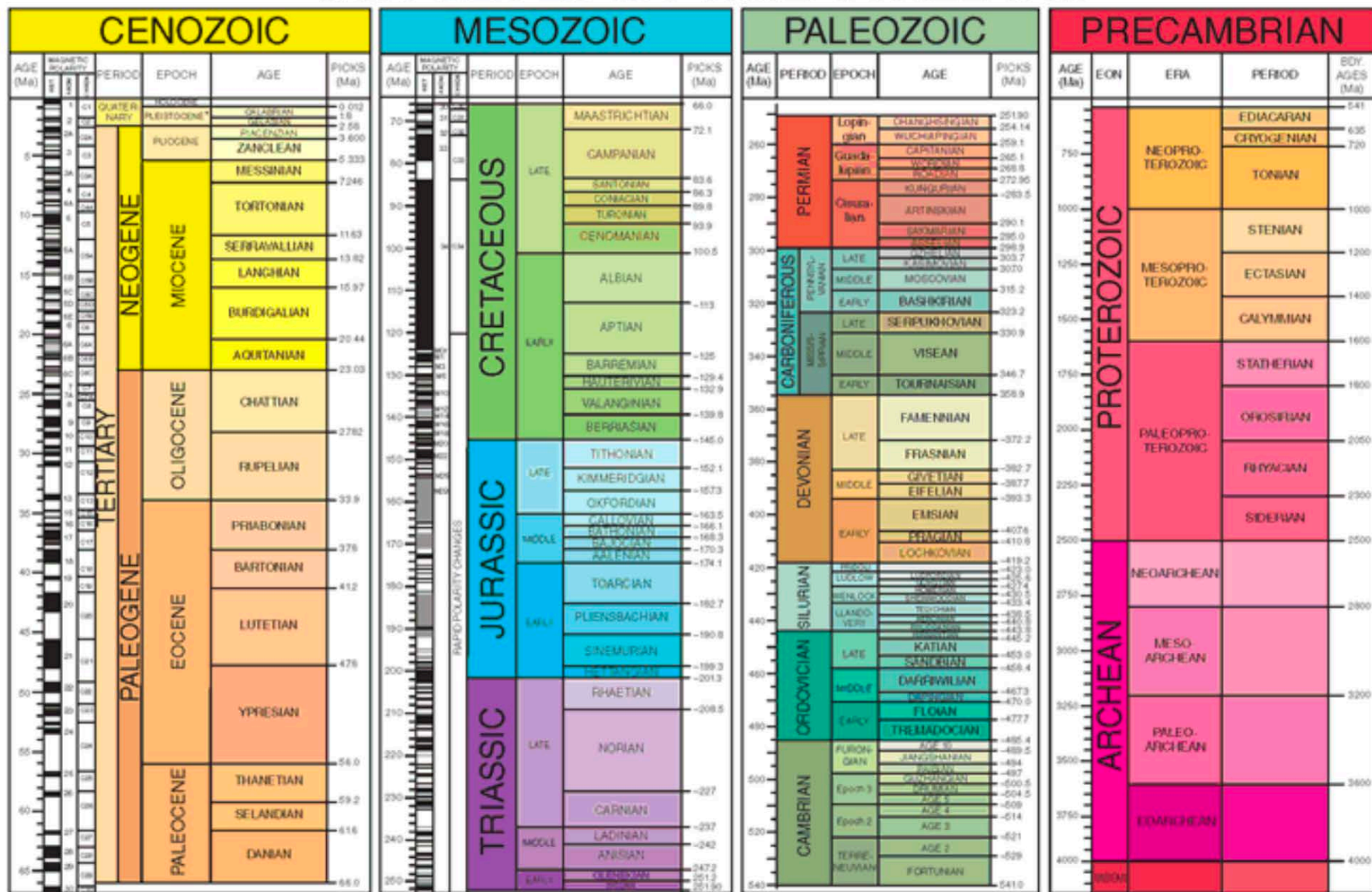
Image courtesy of Ellenzweig

WHOI LOSOS



Image courtesy of Ellenzweig

GSA GEOLOGIC TIME SCALE v. 5.0



Walker, J.D., Geissman, J.W., Bowring, S.A., and Barbrook, L.F., compilers, 2018, *Geologic Time Scale 5.0*. Geological Society of America, <https://doi.org/10.1130/2018.CT5006R0C>. ©2018 The Geological Society of America

*The Pliocene is divided into four ages, but only two are shown here. What is shown as Calabrian is actually three ages—Calabrian from 1.60 to 0.781 Ma, Middle from 0.781 to 0.126 Ma, and Late from 0.126 to 0.0117 Ma.

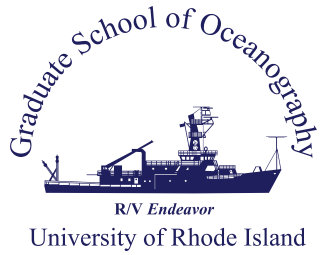
The Cenozoic, Mesozoic, and Paleozoic are the Eras of the Phanerozoic Eon. Names of units and age boundaries usually follow the Gradstein et al. (2012), Cohen et al. (2012), and Cohen et al. (2013, updated) compilations. Numerical age estimates and picks of boundaries usually follow the Cohen et al. (2013, updated) compilation. The numbered epochs and ages of the Cambrian are provisional. A "+" before a numerical age estimate typically indicates an associated error of ± 0.4 to over 1.6 Ma.

REFERENCES CITED

Cohen, K.M., Finney, S., and Gibbard, P.L., 2012, International Chronostratigraphic Chart. International Commission on Stratigraphy, www.stratigraphy.org (accessed May 2012). (Chart reproduced for the 34th International Geological Congress, Brisbane, Australia, 5–10 August 2012.)

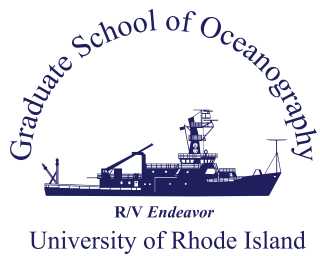
Conner, K.M., Finney, S.C., Gibbard, P.L., and Fan, J.-X., 2013. The ICS International Chronostratigraphic Chart. *Episodes* v. 36, no. 3, p. 189-204 [updated 2017, v. 2, p. 204-205]. <https://www.earth-system.org/ICS-Chart>.

Gravelius, F.M., Opp, J.B., Schmidt, M.D., et al., 2012, The George Tenet Scale 2012 Boston, USA, Elsevier, <https://doi.org/10.1016/S0445-9400>



Going Forward

1. RCRV-2: Team, Naming, Sponsor, Keel laying
2. Pier Renovations: December: Design plans
3. Ocean Technology and Marine Operations: July 2019 funding
4. Utilities and Ring Road: July 2019 funding
5. 2020 Bond: Continuing the Master Plan
6. Minority faculty and students
7. Self-study and External Review



Summary: 2012-2018

1. CRC: \$24 /\$25 million
2. Research funding
3. Undergraduate teaching doubled
4. NOAA Cooperative Institute proposals
5. Greenfins Tuna Building: \$1.7 million
6. RCRV-2: \$125 million
7. Rhode Island Bond #2: \$45 million
8. Faculty recruitment (4+3)

Narragansett Bay Campus Master Plan



View from the Northeast