

Robin Rene' Dunbar, Ph.D.

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PROFESSIONAL SUMMARY

I am an executive senior leader with a twenty-four-year career as the Deputy Director of Education for a nonprofit restoring one of the most polluted rivers in the Chesapeake Bay. I wrote the Nation's first Youth Resilience Plan to prepare children to be resilient in a community with the highest sea level rise on the east coast of the United States. In 2019, I received the Presidential Award of Excellence from the White House and the National Science Foundation in Science, Mathematics, Engineering and Mentoring. I earned a Ph.D. in Public Administration and Urban Policy from Old Dominion University's Strome School of Business and School of Public Service. I acquired a comprehensive understanding of leadership and policy making and my doctoral study focused on environmental policy and marine debris in industrial ports. I designed America's Greenest Vessel, the 120'x32' Dominion Energy Learning Barge powered by the sun and wind, with a classroom, observation pool and live wetlands in partnership with the University of Virginia's School of Architecture and Engineering. I mentored 150 undergraduates as STEM educators that delivered my programs to over 500,000 students Pre-K through university. Three school districts adopted my STEM curriculums for grades third through sixth and high school environmental studies. Under my leadership, 225 teachers learned how to incorporate yearlong STEM river education into their classroom that resulted in 8,500 students from sixty-eight schools implementing 123 projects to reduce flooding and their carbon footprints. I partnered with thirty-five interns, professors, undergraduates and graduate students from three Virginia universities, and 332 undergraduates from Norfolk State University were trained to perform water quality testing. I managed an annual budget of \$700,000 and supervised twenty staff. To date, I secured and served as the principal investigator for \$3.5 million in grants and \$1.3 million for the barge construction.

EDUCATION

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- Ph.D. 2024 Public Administration and Urban Policy and Certification Preparing Future Faculty
Old Dominion University, School of Public Service, 2084 Constant Hall, Norfolk,
Virginia 23529, 757-683-5968
<https://www.odu.edu/academics/programs/doctoral/public-admin-urban-policy>
Dissertation: *Stakeholders from Multiple Sectors Views and Policy Approaches to
Marine Debris Removal: A qualitative case study of Virginia's Elizabeth River*
Chair: Dr. Juita-Elena Yusuf, a policy scholar who focuses on multisectoral policies
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- M.A. 2021 Humanities, Cultural and Human Geography
Old Dominion University, Norfolk, Virginia, USA
Thesis: *Riverology: Promoting stewardship of rivers through youth participation in
science and art*. An inquiry-based teacher curriculum that includes ten
multidisciplinary STEM lessons to inspire river stewardship.
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- B.S. 1993 Interdisciplinary Studies, Healthcare Human Resources, minor in Public Speaking,
Old Dominion University, Norfolk, Virginia, USA
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PROFESSIONAL EXPERIENCE

2000- Present	Deputy Director of Education	Nonprofit Elizabeth River Project 4610 Colley Avenue, Norfolk, Virginia 23508 757-399-7487, www.elizabethriver.org
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Present	Adjunct Professor	Old Dominion University, School of Public Service 2084 Constant Hall, Norfolk, Virginia 23529 757-683-5968, https://www.odu.edu/public-service
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I developed an asynchronous environmental policy graduate level course for Old Dominion University. I will be teaching this course Fall 2024 on the Canvas platform.

LEADERSHIP AND MENTORING

Date	Program	Description
2023	Virginia K-12 Environmental Literacy Strategic Plan	I collaborated with the Virginia Department of Education's STEM Director on an environmental literacy strategic plan led by the Virginia Department of Conservation and Recreation. We addressed the teacher shortage and the lack of resources for environmental literacy initiatives.
2022 2016 2008 2002	Elizabeth River Project's Watershed Action Plans updated every six years	I led the Elizabeth River Project's education subcommittee for four Watershed Action Plans and made a strategic change where the participants adopted youth STEM education as a priority goal. I submitted a white paper on marine debris for the 2022 Watershed Action Plan and it was included as a priority action and goal.
2019	Presidential Award of Excellence in Science, Mathematics, Engineering and Mentoring	I was one of fifteen recipients in the Nation that received this prestigious honor from the White House and the National Science Foundation. Since 2009, I mentored 150 college undergraduates that delivered my inquiry-based STEM curriculums to over 500,000 students of all ages and from underserved communities.
2004 - Present	Hampton Roads Alliance for Environmental Education (HRAEE)	I am the founder, chairman and publisher of a bi-monthly e-newsletter to over 500 members. HRAEE is a nonprofit where members think big, foster partnerships, and increase communication regarding the local environment. HRAEE was the model utilized to create the Virginia Association for Environmental Education that supports the North American Association of Environmental Education.

SABBATICAL

2019	I was awarded a sabbatical after nineteen years of service. A member of the Elizabeth River Project's Board of Directors funded my Earthwatch climate change expedition in the Andorran Pyrenees Mountains, France. As a scientist, I worked with an international team daily where we climbed some of the steepest peaks in the world and measured the growth of tree saplings and native birds.
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PRESS EXAMPLES

WhiteHouse.gov (2019). President Trump Announces Presidential Excellence Awards Science, Mathematics, Engineering, and Mentoring, *Trump Whitehouse Archives*, <https://trumpwhitehouse.archives.gov/briefings-statements/president-donald-j-trump-announces-presidential-excellence-awards-science-mathematics-engineering/>

Zeitlin, Janine. (2019). Teaching Resilience in the Face of Climate Change, *New York Times*, <https://www.nytimes.com/2019/12/02/well/family/climate-change-resilience-education.html>

RESEARCH IN PROGRESS

Dunbar, Robin. (In Progress). *Getting to the Bottom of It: An ethnographic study of removal of abandoned derelict vessels in Virginia's coastal zone.*

Dunbar, Robin. (In Progress). *Unmasking Marine Debris: A content analysis of how marine debris is included in reporting the Francis Key Scott Bridge incident, Baltimore, Maryland.*

Dunbar, Robin (In Progress). *Littering the Canvas: A historical reckoning with the emergence of marine debris in art.*

TEACHER TRAINING

Date	Program Title	Brief Description
2023-24	<i>Our Elizabeth, Our Responsibility: All Portsmouth Public Schools 6th Grades Implement Inclusive MWEEs with Local Culture, History and Art</i>	I wrote, was awarded and served as the principal investigator for a \$225,000 three-year B-WET grant from the National Oceanic and Atmospheric Administration, and educated over 100, sixth grade teachers from Portsmouth Public Schools about best practices to incorporate inquiry-based, hands-on STEM activities and river science into their classroom and schoolyard. This included a partnership with three university professors from Old Dominion University and Norfolk State University.
2019-21	<i>Project Blue Crab</i>	I wrote, was awarded and served as the principal investigator for a \$314,993 three-year B-WET grant from the National Oceanic and Atmospheric Administration, to educate over 100, fourth grade teachers from Chesapeake Public Schools about the iconic Chesapeake Bay blue crab and best practices to incorporate inquiry-based, hands-on STEM activities and river science into the classroom and schoolyard. This included a partnership with a local waterman, a folk musician and the Virginia Marine Resources Commission.
2016-19	<i>Learning Barge Collaborates with B-Wet Veterans</i>	I wrote, was awarded and served as the principal investigator for a \$443,854 three-year B-WET grant from the National Oceanic and Atmospheric Administration, to educate over 150 fourth grade teachers from Norfolk Public Schools about best practices to incorporate inquiry-based, hands-on STEM activities into the classroom. This included a partnership with the Delaware Nature Society and Baltimore's Living Classroom.

DEVELOPMENT OF EDUCATION PLATFORMS (All are ADA Accessible)

Date	Platform	Description
2020	Elizabeth River Project's Barge on Wheels	I designed and secured \$30,000 to develop a mobile classroom with a passenger van in partnership with an architecture professor from the University of Virginia. The goal was to provide STEM environmental programs to students in neighborhoods and school parking lots during the COVID-19 pandemic. Four educators traveled with the Barge on Wheels and students then rotated around the van to four different learning stations that included animals, renewable energy and water quality testing. I delivered 267 programs to 3,686 students that showed a 39% increase in knowledge.
2012	Paradise Creek Nature Park Partnership with City of Portsmouth and the Elizabeth River Project	<p>I helped design park amenities for a 40-acre reclaimed green space park surrounded by industry in Portsmouth, Virginia.</p> <p>2023 - <i>Fred W. Beazley River Academy Expansion</i> that included a lecture hall, rain cisterns, offices for the education team and an outdoor classroom. This was designed in partnership with Dills Architecture Firm.</p> <p>2012 - <i>Dominion Wetland Learning Lab</i> for students to perform science from samples from the river and wetlands. This was designed in partnership with two architecture professors from the University of Virginia.</p> <p>2019 - <i>Towne Bank River Playground: Elizabeth Rivers, A Kids' Paradise</i> with environmentally friendly shade and climbing structures, a little library, a ship, a mural wall depicting the living and working river and instruments.</p> <p>2018 - <i>Fred W. Beazley River Academy</i> with rain cisterns, 20 solar panels and a classroom for high school summer interns.</p> <p>2015 - <i>One Flock</i>, a polished steel art installation, created by Scottish artist Rob Mulholland and a local steel company that included four human silhouettes and over 150 great blue herons as wetland guardians. This sculpture represented the balance needed between humans and nature and was funded by an award from the National Endowments for the Arts.</p>
2006-09	Elizabeth River Project's Dominion Energy Learning Barge, currently docked at Grandy Village Learning Center, Norfolk, Virginia in a public housing community	I designed an award-winning 120'x32' floating classroom powered by the wind and sun, with live wetlands, a rain capturing system, composting toilets and an indoor classroom in partnership with the University of Virginia and a local marine architect. Known as America's Greenest Vessel, over 109,000 Pre-K through university students have come aboard as junior scientists and left as committed stewards. The students rotated through six learning stations and implemented hands-on, inquiry-based STEM field investigations. I also collaborated with a team of thirteen undergraduates from the University of Virginia throughout the barge project.

STUDENT CURRICULUM DEVELOPMENT

I developed twenty-three STEM curriculums for Pre-K through university students and teachers for the Elizabeth River Project. Activities were inquiry-based, reflected the Virginia Standards of Learning and included field investigations aboard the Dominion Energy Learning Barge, at Paradise Creek Nature Park and with the Barge on Wheels. I also developed a graduate 695 environmental policy course for Old Dominion University's School of Public Service.

Date	Audience	Program
2024	Graduates	Environmental Policy Course 695, A 16-week asynchronous graduate level course utilizing Michael Kraft's <i>Environmental Policy and Politics</i> book, 8 th edition (2018) and S. Rifret's book, <i>Who Really Makes Environmental Policy? Creating and implementing environmental rules and regulations</i> (2021)
2021	Teachers	<i>Riverology: Promoting stewardship of rivers through youth participation in science and art.</i> An inquiry-based teacher curriculum that includes ten multidisciplinary STEM lessons to inspire river stewardship
2019		<i>Project Blue Crab</i>
2017		<i>Resilient River Star Schools</i>
2016		<i>The Not So Merry Mummichog</i>
2007		<i>A Royal Steward: To inspire environmental stewardship</i>
2024	Pre-K	<i>Dominion Energy Wind Station</i>
2024	through	<i>Inclusive River History</i>
2022-24	university	<i>Our Elizabeth River, Our Responsibility</i>
2019-22	students	<i>Project Blue Crab</i>
2021-24		<i>Resilience at a Nature Park</i>
2016-19		<i>River Resilience, Preparing Youth for the Rising Tide I and II</i>
2016		<i>Merry Mummichog</i>
2015-16		<i>Deep Into the River's Shallows, Elizabeth's Intertidal Zone</i>
2014-15		<i>Branching Out and Restoring Elizabeth's Invisible Branch</i>
2015		<i>I Speak for Trees</i>
2013-14		<i>Digging Deeper</i>
2012-13		<i>Project Periwinkle</i>
2011-12		<i>Our Elizabeth, Achieving Equity-Centered Education</i>
2010-11		<i>Your Living River</i>
2009-10		<i>My Home River</i>
2008		<i>Wetlands in the Classroom</i>
2004		<i>Elizabeth River Curriculum</i>

TRIBAL PARTNERSHIP

2023-24 I helped the Nansemond Indian Nation to remove an abandoned derelict vessel from their tribal property by assisting to find the vessel's owner. This was in partnership with the Department of Environmental Quality's Virginia Coastal Zone Management, the Virginia Marine Resources Commission and the Virginia Department of Wildlife Resources. The vessel was successfully removed from their Tribal headquarters at Mattanock Town in Suffolk, Virginia on July 11, 2024, prior to their annual Pow Wow.

PUBLICATIONS

Dunbar, Robin. (2024). *Stakeholders from Multiple Sectors Views and Policy Approaches to Marine Debris Removal: A Qualitative Case Study of Virginia's Elizabeth River*, Ph.D.

Dissertation, Old Dominion University, DOI: 10.25777/em24-dp05,

https://digitalcommons.odu.edu/cgi/viewcontent.cgi?article=1058&context=publicservice_etds

Two publications are in the process from the dissertation: one solely Robin Dunbar and one with the committee members.

Dunbar, Robin R. (2021). *Riverology: Promoting Stewardship of Rivers Through Youth Participation in Science and Art*, Master of Arts, Thesis, Old Dominion University, DOI:

10.25777/fxsh-cf72, https://digitalcommons.odu.edu/humanities_etds/39

Dunbar, Robin (2019). *Resilient Youth: South Hampton Roads, A pioneer strategy of hope and action to prepare those who will inherit rising seas.* <https://elizabethriver.org/wp-content/uploads/2022/11/Youth-Resilience-Strategy-Final.pdf>

Dunbar, Robin. (2011). The Learning Barge, A Model Floating Classroom of the Future, *Green Teacher*. <https://greenteacher.com/the-learning-berge/>

POSTERS

Dunbar, Robin (2024). *This Story is Rubbish*, Poster for Marine Debris Symposium, Old Dominion University, May.

Dunbar, Robin (2018). *Elizabeth River Project's Learning Barge, Teaching River Resilience*, Poster for American Geographical Union Conference, New Orleans, Louisiana, November.

Dunbar, Robin (2018). *Enhancing Community Resilience to Climate Change through Education*, Poster for North American Association for Environmental Education Annual Conference, Spokane, Washington, October.

WHITE PAPER

Dunbar, Robin. (2021). *Elizabeth River's Marine Debris*, a white paper for Elizabeth River Project's 2022 Watershed Action Plan that resulted in the adoption into the plan as a goal.

BOOK INTERVIEWS

Morris, J., et al. (2013). *The Case for Grassroots Collaboration: Social capital and ecosystem restoration at the local level*, Lexington Books, Lanham, MD, ISBN 978-0-7391-7696-2, pp. 128, 129, and 130.

Yarksinske, Amy Waters. (2007). *The Elizabeth River*, Princess Elizabeth, The History Press, Charleston, S.C., ISBN 978.1.59629.207.9, p. 342.

PRESENTATIONS

Dunbar, Robin. (2024). *Environmental Management: Examining the complexity of the Elizabeth River marine debris problem*, research presented at the annual conference of the American Society of Public Administration, Minneapolis, Minnesota, April.

Dunbar, Robin. (2024). *Stakeholders from Multiple Sectors Views and Policy Approaches to Marine Debris Removal: A Qualitative Case Study of Virginia's Elizabeth River*, research presented for the Center for Coastal Physical Oceanography and Institute for Coastal Adaptation and Resilience, Virtual, March.

Dunbar, Robin (2023). *Stakeholders from Multiple Sectors Views and Policy Approaches to Marine Debris Removal: A Qualitative Case Study of Virginia's Elizabeth River*, research presented for the Mid-Atlantic Regional Council on the Ocean (MARCO), Ocean City, Maryland, December.

Dunbar, Robin. (2022). *Resilience Education Initiatives as Part of Examining Public Service in the Wake of COVID-19: Challenges, successes and future implications*, presentation to the Hampton Roads American Society for Public Administration, Virtual, March.

Dunbar, Robin. (2000-2020). Presented over 300 presentations as Princess Elizabeth, namesake of the Elizabeth River for the nonprofit Elizabeth River Project, Norfolk, Virginia.

Dunbar, Robin. (2019). *Preparing Norfolk Area Students for America's Second Highest Sea Level Rise*, National Oceanic Atmospheric Administration Environmental Literacy Conference, Edgewater, Maryland, June.

Dunbar, Robin. (2018). *Elizabeth River Project's Learning Barge, Teaching River Resilience*, American Geographical Union, New Orleans, Louisiana, November.

Dunbar, Robin. (2015). *Elizabeth River Project's Learning Barge*, presentation to the American Society of Military Engineers, Norfolk, May.

Dunbar, Robin. (2013). *Elizabeth River Environmental Education and Stewardship*, presentation to the American Association of University Women, Williamsburg, Virginia, September.

Dunbar, Robin. (2012). *Teaching Youth Environmental Stewardship through STEM*, presentation to the Virginia Association of Biology Teachers, Williamsburg, Virginia, September.

Dunbar, Robin. (2011). *Elizabeth River Project's Learning Barge*, Congressional Briefing to Environmental Protection Agency as an award recipient of the P3: People Prosperity and the Planet Program, Washington, D.C., April.

Dunbar, Robin. (2010). *The Dominion Energy Learning Barge, America's Greenest Vessel*, a presentation to the American Institute of Architects, Virginia Beach, Virginia, November.

PROFESSIONAL DEVELOPMENT

2024	CITI Program Social Behavioral Research, Expires December 15, 2024
2024	Coastal Career Workshop at the Virginia Institute of Marine Science
2024	Team Science, Essentials in Training for Science Communications, Alan Alda Center for Communicating Science
2024	Science Communication Bootcamp led by Stories of Science
2024	Teaching for the First Time: A Workshop for Future Faculty, ODU Career Pathways
2024	Career Exploration: Faculty Careers Outside the Tenure Track, ODU Career Pathways
2024	Science Policy Bootcamp, University of Virginia
2023	Team Science: Working with multiple disciplines, Virginia Sea Grant at Science Museum of Virginia, Richmond, Virginia
2023	Team Science: Teamwork and Task-Work Tactics, Virginia Sea Grant
2023	Community-Based Social Marketing, Training with Doug McKenzie-Mohr
2023	Creating Spaces of Belonging, ODU Workshop
2022	Mandated Reporters Child Abuse and Neglect VA Department of Social Services
2022	Team Science: Leaning Into Constructive Conflict, Virginia Sea Grant
2020	Meaningful Watershed Educational Experience 101 Chesapeake Bay Program
2020	Chesapeake Bay Landscape Professional Level 1 Trainer
2020	National Geographic Collecting Data to Explore Plastic Pollution
2020	National Geographic Mapping as a Visualization & Communication Tool
2020	Wave Types & Characteristics, Meted.ucar.edu
2019	Certified National Geographic Educator
2019	Earth Force Train-the-Trainer, Student-Led Action Civics
2019	Climate Generation Institute for Climate Change, Lowell School, D.C.
2019	Highlights Publication, Nuts and Bolts of Science Writing for Youth
2019	Cornell University Civic Ecology Lab Environmental Education Outcomes
2019, 2022	NOAA's Chesapeake Bay Program MWEE 101 & Facilitator
2019	National Network for Ocean and Climate Change Interpretation
2019	Hampton Roads Community Foundation Data Collection
2018	Wilderness First Aid, Emergency Medicine, Old Dominion University
2010	Project Wild
2007	Environmental Protection Agency, Grant Management Training for Non-Profits
2005	Project Wild Aquatic
2004	Project Learning Tree

Computer Skills: Microsoft Office Suite, Outlook, Constant Contact, Wix, Canvas, and Canva

SCHOLARSHIPS

Old Dominion University Scholarships

2024	Virginia Lakes and Watershed Association	\$2,000
2024	Walter W. Mode Scholarship from the American Society of Public Administration	\$1,500
2022	Virginia Sea Grant	\$5,000
2021	Louis Jaffe Memorial Scholarship Hampton Roads Community Foundation	\$12,000

AWARDS

2022	Conservation Educator Award, Garden Club of Virginia
2019	Presidential Award of Excellence in Science, Mathematics, Engineering and Mentoring
2015	Virginia Environmental Excellence, Department of Conservation and Recreation
2014	Governor's Gold Award of Sustainable Environmental Excellence, Learning Barge
2011	Finalist, Environmental Educator of the Year, National Association Science Teachers
2011	Environmental Excellence for the Learning Barge from SeaWorld Busch Gardens
2008	Green Goddess, <i>SKIRT</i> Magazine
2006	Leadership in Virginia Environmental Education, Virginia Naturally
2003	Ernie Morgan Award of Environmental Service, Norfolk Environmental Commission
2000	Honored as a Local Legacy for Bicentennial of the Library of Congress by Congressman Sisisky

ELIZABETH RIVER PROJECT GRANTS AND FUND RAISING

I served as the Principal Investigator for \$3.5 million in private and federal grants. My skillset includes grant management, writing, budget development, evaluation, and reporting. In addition, I helped secure \$1.3 million for the Learning Barge construction that included over fifty sponsors. Top donors: Dominion Energy Foundation \$375,000, University of Virginia \$125,000, U.S. EPA \$75,000, and Lowes Charitable and Educational Foundation \$125,000

Bank of America	\$45,000	<i>Preparing At-Risk High School Interns, Students and Teachers for the Blue-Green Workforce</i>	2022-23
Batten Educational Achievement Fund Grant	\$300,000	<i>The River Academy: Integrating Land and Water Education</i>	2016-2019
Beazley Foundation	\$20,000	<i>Our Elizabeth River, Our Responsibility</i>	2022-23
	\$50,000	<i>Fred W. Beazley River Academy and Paradise Creek Nature Park</i>	2019
	\$125,000	<i>The Fred W. Beazley Signature Entrance Pavilion</i>	2013
	\$30,000	<i>Elizabeth River Curriculum</i>	2004
	\$17,048	<i>Bottoms Up! Education Initiative</i>	2002
Captain Planet	\$2,500	<i>The Learning Barge</i>	2012-13
Chesapeake Bay Restoration Funds	\$15,500	<i>Norfolk Students Engage as Resilience River Star Schools</i>	2021-22

		ELIZABETH RIVER PROJECT GRANTS AND FUND RAISING	
	\$3,000	<i>Project Blue Crab</i>	2020-21
	\$2,750	<i>Preparing Youth for the Rising Tide</i>	2019-20
	\$2,400	<i>Learning Barge: River Resilience</i>	2017-18
	\$4,000	<i>Project GreenSTEM – Branching Out to Educate Urban Students and Teachers as River Stewards</i>	2015-16
	\$5,000	<i>Project GreenSTEM – Educating Urban PreK-12 as River Stewards</i>	2013-14
	\$5,000	<i>Barging to a Swimmable/Fishable Lafayette River by 2014</i>	2012-13
Chesapeake Bay Trust	\$5,000	<i>I Speak for Trees</i>	2015
	\$5,000	<i>Norfolk Students Engage as Resilient River Star Schools</i>	2021
Cox Foundation	\$5,000	<i>Our, Elizabeth River, Our Responsibility</i>	2021
	\$7,500	<i>Achieving Diversity, Equity, and Inclusion in Elizabeth River Environmental Education</i>	2021
Department of Conservation and Recreation	\$29,000	<i>Our, Elizabeth River, Our Responsibility</i>	2023
	\$9,900	<i>Our Elizabeth River, Our Responsibility: Providing MWEs and Inclusive River Education</i>	2022
	\$9,900	<i>Norfolk Students Engage as Resilient River Star Schools</i>	2021
Department of Forestry	\$26,000	<i>Youth Conservation Interns Workforce Development at Paradise Creek Nature Park, Portsmouth, VA</i>	2021
Dollar Tree Foundation	\$400,000	<i>Wetlands in the Classroom</i>	2008-23
Dominion Energy Foundation	\$40,000	<i>Inclusive River Education: Our Elizabeth River, Our Responsibility</i>	2022
	\$25,000	<i>Local Teens Find a Place of Peace at Paradise Creek</i>	2021
Elizabeth River Crossings	\$10,000	<i>Elizabeth River Youth Education</i>	2022
	\$15,000	<i>Learning Barge on Wheels</i>	2020
Elizabeth River Garden Club	\$10,000	<i>Native Landscaping at Paradise Creek Nature Park</i>	2016
	\$6,000	<i>Paradise Creek Nature Park</i>	2012
Environmental Protection Agency	\$29,325	<i>The Elizabeth River: An Imaginative Education Model</i>	2009
Hampton Roads Community Foundation	\$50,000	<i>Expanding Youth Resilience with Equity and Inclusion</i>	2022-2023
	\$105,000	<i>Paradise Creek Nature Park – Seed Funding</i>	2013-15

		ELIZABETH RIVER PROJECT GRANTS AND FUND RAISING	
	\$24,000	<i>The Elizabeth River, an Imaginative Education Model Phase 1 Learning Barge</i>	2010
Honda Foundation	\$54,650	<i>The Learning Barge</i>	2018
HRGreen Mini Grant	\$1,500	<i>Park Ambassadors</i>	2015
Keen	\$2,500	<i>Fostering New River Stewards</i>	2015
Luck Foundation	\$30,000	<i>Transforming Disconnected Youth into Conservation Leaders</i>	2020-22
	\$40,000	<i>The Learning Barge: Critical Education for Urban Children</i>	2015-17
National Endowment for the Arts	\$50,000	<i>Our Town: One Flock Art Installation at Paradise Creek Nature Park</i>	2014-15
	\$20,000	<i>Learning Barge Education Initiatives</i>	2010
National Ocean and Atmospheric Administration (NOAA) BWET	\$225,000	<i>Our Elizabeth River, Our Responsibility: All Portsmouth Public Schools 4th Grades Implement Inclusive MWEs with Local Culture, River History and Art</i>	2022-25
	\$314,993	<i>Project Blue Crab</i>	2019-21
	\$443,854	<i>Barge Collaborates with BWET Veterans</i>	2015-18
	\$140,000	<i>The Learning Barge: Voyage to Wetlands</i>	2012-15
NOAA Environmental Literacy	\$497,774	<i>Preparing Norfolk Students for America's Second Highest Sea Level Rise</i>	2016-19
Ocean Odyssey	\$7,500	<i>C.L.E.A.N. Youth Remove Elizabeth River Marine Debris in Norfolk, VA, Marine Debris Award for Diversity, Equity, Inclusion, Justice, and Accessibility</i>	2024-25
PNC Bank	\$10,000	<i>One Flock: Fostering Junior Ornithologists</i>	2016
	\$16,250	<i>My Home River</i>	2013
Portsmouth General Hospital Foundation	\$25,000	<i>Nature Education for Portsmouth Children</i>	2013
Rotary of Norfolk	\$12,500	<i>A Powerful Year of River Education</i>	2015
	\$20,000	<i>Learning Barge</i>	2011
Mark Rothstein	\$5,000	<i>Inclusive River History</i>	2024
Sea World Busch Gardens	\$15,000	<i>The Learning Barge</i>	2019
TC Energy	\$20,000	<i>Youth Education Paradise Creek Park</i>	2023
Virginia Environmental Endowment	\$25,000	<i>Our Elizabeth: Achieving Equity-Centered Education Aboard the Learning Barge</i>	2022
	\$18,716	<i>Training Teachers to Make Natural Connections to the Chesapeake Bay</i>	2015
	\$19,500	<i>The Learning Barge</i>	2010-11
TOTAL	3,452,560		

PROFESSIONAL MEMBERSHIPS

University Service

2024	Secretary, Hampton Roads American Society for Public Administration
2024	Old Dominion University Alumni Association
2023-24	Student Affiliate for the Institute of Coastal Adaptation and Resilience, Old Dominion University, Norfolk, Virginia
2022-24	Student Representative and Membership Chair for Hampton Roads American Society for Public Administration
2023-24	Member, School of Public Service Student Association

PROFESSIONAL MEMBERSHIPS

Professional Organizations

2024-Present	Virginia Ocean Plan: Participating on three subcommittees Transportation, Navigation, & Security, Seafloor Resources, Sustainability & Conservation
2024-Present	Earth Science Women's Network
2024-Present	Mid-Atlantic Marine Debris Prevention, Education, and Outreach Community of Practice (CoP)
2024-Present	Mid-Atlantic Marine Debris Subcommittee: Nonconsumptive Recreation
2024-Present	Shrink-Wrap Initiative led by the Virginia Institute of Marine Science
2024-Present	American Association for Advancement of Science
2024-Present	Plastic Pollution Coalition
2024-Present	Atlantic Estuarine Research Society
2023-Present	Diversity, Equity, and Inclusion Subcommittee for Elizabeth River Project
2021-Present	Virginia Plastic Pollution Network
2019-Present	Alumni Presidential Award of Excellence in Science, Mathematics, Engineering and Mentoring; Participated in the 2020 National Selection Committee
2019-23	Science, Technology, Engineering, Mathematics Teacher Leadership Network
2015-Present	Virginia Association of Environmental Education
2011-Present	National Science Teachers Association
2004-Present	Hampton Roads Alliance for Environmental Educators
2002-Present	Elizabeth River Project

ART

2022	Old Dominion University Perry Library, caricature self-portrait as a storyteller
2017	14ft. mermaid sculpture for Norfolk, Virginia's Sister City, a gift to Kochi, India
2015	Mosaic and mandala mural, YMCA Suffolk, Yoga Studio
2015	Over twenty, six-foot great blue herons for a youth parade at Paradise Creek Nature Park's unveiling of the <i>One Flock</i> polished steel art installation
2014	Rendering of a teaching dock for St. Patrick's Catholic School
2014	<i>Eyes on the River</i> ; a youth art installation funded by the Puffin Foundation, Preschoolers painted large fisheyes with hula hoop canvases
2009	Large wire sculpted fish sculptures for Dominion Energy Learning Barge
2000	Commissioned to paint 14ft mermaid sculpture - <i>Jester</i> , Mermaids on Parade
2000	Developed character, Princess Elizabeth for the nonprofit Elizabeth River Project Wrote scripts, designed and created costumes and props, performed in British accent presentations to all ages with tabletop theater and original art
2000	Developed pelican hats for Elizabeth River Project inspired by ERP's pelican logo
2000	Developed 20ft Parade Puppets for the City of Norfolk's Festevents
