

Hudson River Research Reserve

Education is Change on the Ground



2022

Connect



14,626 people engaged

39,090 contact hours in direct
programming



Prepare

2 TOTES with partners

1,396 formal and informal educators
through in-person and virtual
professional development programs

Improve



937 trained Eel Project volunteers
130,000 juvenile eels counted and
released upstream of barriers



Azalea Bailey has participated in a number of Research Reserve programs since high school. She earned a prestigious Hutton Junior Fisheries Internship with the American Fisheries Society. She helped tag giant sturgeon, dug deep into lab analysis, and honed her skills as a science communicator.



TIDES: The Institute Discovering Environmental Scientists

Local high school and college students from communities across the Hudson Valley completed this innovative two-week research program with the education team. The students conducted environmental research projects along the banks of the Hudson River and in freshwater tidal wetlands examining the water quality, plant life, and fish biological diversity of the estuary. This was the fourth year of the program and many previous participants returned in mentorship roles and guiding newcomers with their projects. Strong bonds were formed between Department of Environmental Conservation Estuary Program staff, the Student Conservation Association interns, and the student research participants in TIDES, which will help serve these young people well on their future career paths.

20 Years of Day in the Life of the Hudson and Harbor

2022 marked the 20th anniversary of Day in the Life of the Hudson and Harbor! Since 2002, the program hosted nearly 64,000 students and educators, catching 45,000 fish from 90 different species! This year, shore fronts along the Hudson River and the piers of New York Harbor were busy with activity as 4,500 students and educators, along with 40 partnering agencies, explored their community riverfront site to gain a better understanding about their river. Data was collected from 80 sites along the river, creating a much larger picture of the whole estuary. Through these hands-on investigations, we hope that students discover as many questions as they answer, to create a lifelong learning relationship with the river. Twenty years of programming has resulted in former participating students returning to now join in an educator capacity!



New York's Hudson River Reserve is one of 30 sites in the National Estuarine Research Reserve System. Each site is a state federal partnership that combines research, monitoring, and education to advance the understanding and management of estuarine environments.



Department of
Environmental
Conservation



National Estuarine Research Reserve Education

Change on the Ground in 2022

Connects

People to Estuaries

**1 million+
ACRES**

of natural classrooms & living laboratories with



**26 INTERPRETIVE
CENTERS**



*Hello to the
Connecticut
Reserve,
designated
in 2022!*



**296,131
VISITORS**

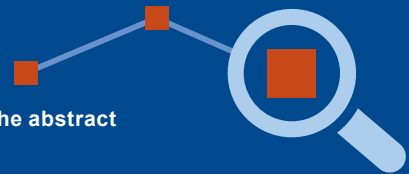
learn about estuaries through Research Reserve outreach & education

Prepares

the Next Generation

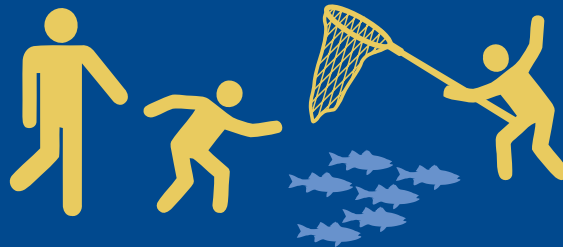
**54,773
STUDENTS**

take learning out of the abstract & into the outdoors



**4,347
TEACHERS**

are trained in the estuary & supported in the classroom



SKILLS BUILT

- ✓ Observation
- ✓ Asking research questions
- ✓ Problem solving
- ✓ Data driven decision making

ESTUARY SCIENCE

LOCAL DATA

LAB WORK

FIELD INVESTIGATION

Improves

the Environment

**10,570
CITIZENS**

are trained & inspired to protect their coasts & estuaries



VOLUNTEER ACTIONS

- ✓ Protect wildlife
- ✓ Monitor water quality
- ✓ Plant native species
- ✓ Clean up the coasts

**30 RESEARCH RESERVE
EDUCATORS**

lead programs that foster coastal stewardship in communities in 25 states



Creating value through education
37,371 volunteer hours = \$1,119,261*