



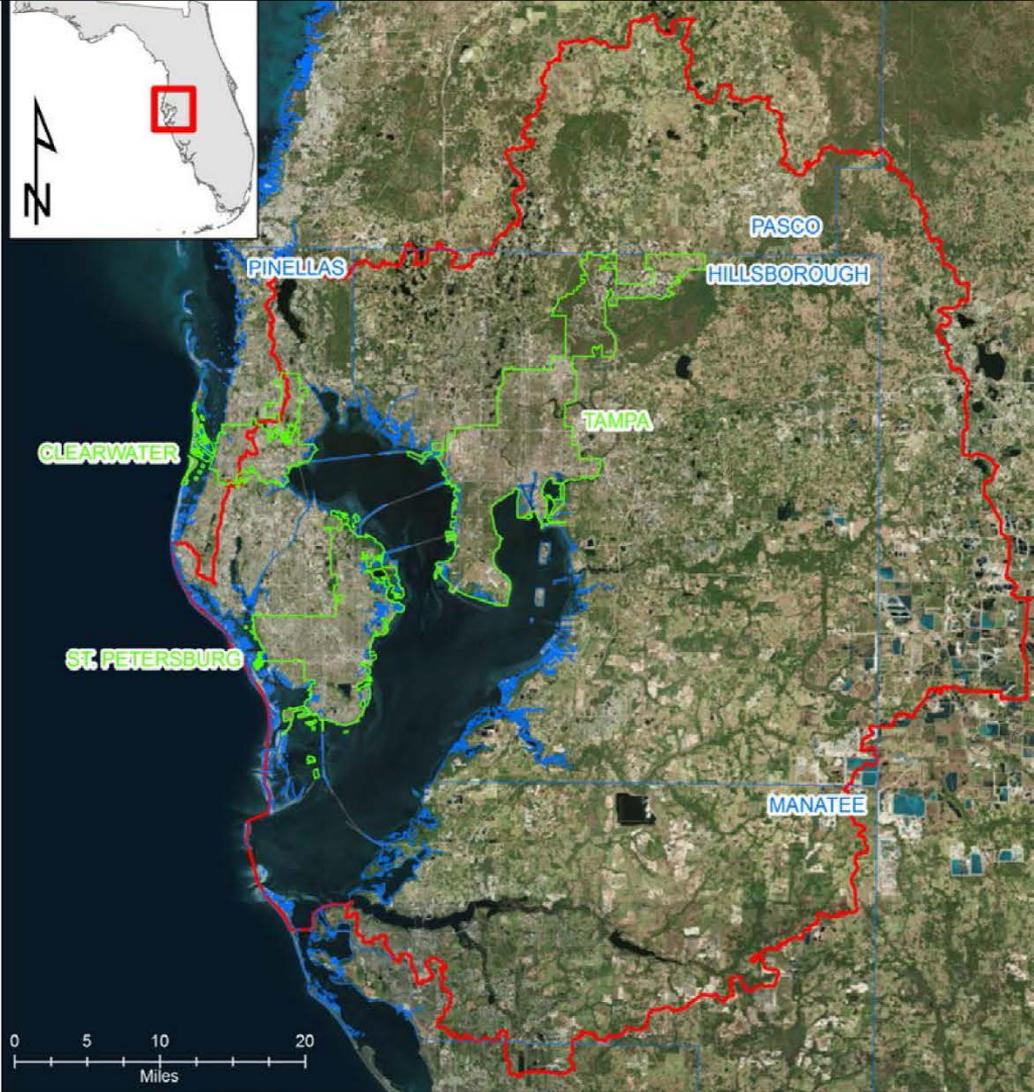
PARTNERSHIP FOR A HEALTHY BAY

2019 Program Update Pinellas County B.O.C.C.

April 23, 2019

Ed Sherwood
Executive Director





Mission: Develop and foster partnerships to implement a science-based, management and restoration plan for the Tampa Bay estuary

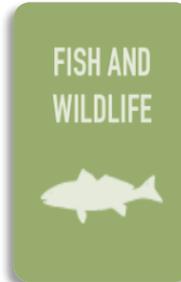


Comprehensive Plan Themes



3 Core Themes:

- **Clean Waters & Sediments**
- **Thriving Habitats & Abundant Wildlife**
- **Informed, Engaged & Responsible Community**



<https://adobe.ly/2IBJQLb>

39 Separate Actions; 166 Specific Activities

TBEP leverages Federal, State, Local, Private & Grant Resources to Implement our CCMP



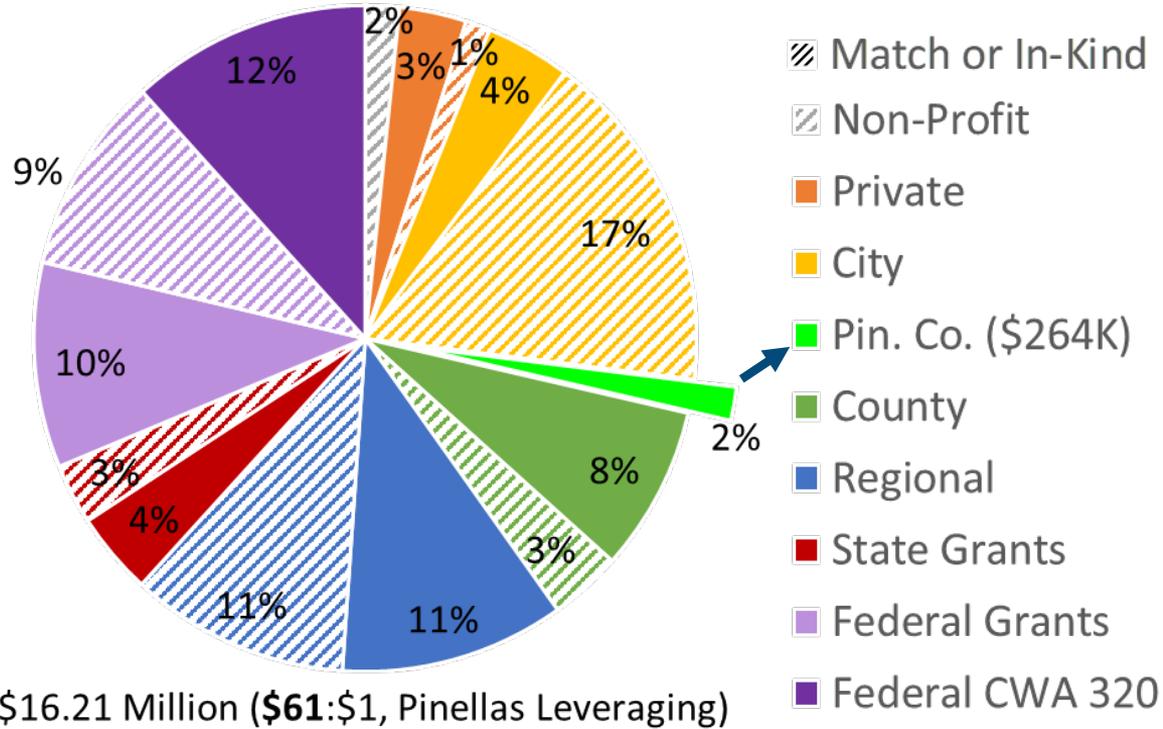
Since Oct. 2016, TBEP leveraged more than **\$16.2 Million** in funding to implement projects that benefit Tampa Bay.

Total staff = 6

TBEP sustains success through a multi-faceted approach to Bay restoration and funding.



TBEP Funding Sources (2017-2019)

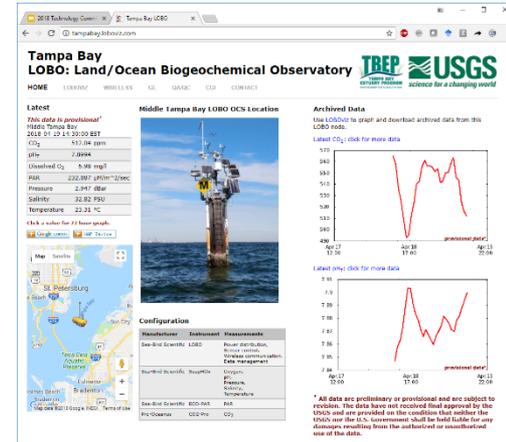




Allowing Us to Pursue Projects that Address Regional Priorities for Education, Research, Monitoring & Restoration

Active Projects in FY2018-19

- Coastal Ocean Acidification Monitoring
- Dredged Hole Ecosystem Studies
- Hard Bottom Habitat Mapping
- Oyster Restoration & Algal Bloom Mitigation
- Ship Wake Impacts to Sensitive Shorelines
- Critical Coastal Habitat Assessment
- Tampa Bay Habitat Master Plan (Update in 2019)
- Freshwater Wetland Restoration
- RESTORE Project Funding
- Social Marketing / Behavior Change Campaigns (SSO-Private Laterals)
- Tampa Bay Water Atlas
- Bay Soundings On-Line Journal
- Convene Stakeholder / Regional Meetings



Tampa Bay Water Atlas

Featured Article: Walk with the Water Atlas

Water Atlas Search

Water Atlas Page Setup

Facilitation of the TB Nitrogen Management Consortium

As part of the Tampa Bay Nitrogen Management Consortium, partners have implemented more than **470 projects** resulting in **530 tons** of nitrogen precluded from entering Tampa Bay since 1992.

Coastal Stewardship Award for Stewardship (Organization)



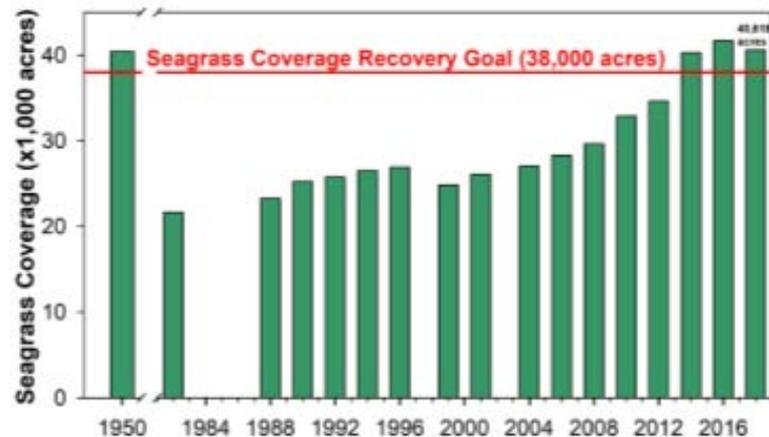
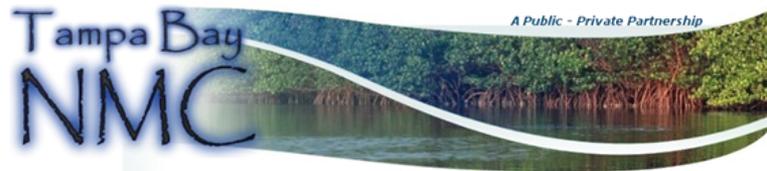
Tampa Bay Nitrogen Management Consortium of Tampa Bay NEP
Tampa Bay Estuary Program



COASTAL & ESTUARINE
RESEARCH FEDERATION®

Annual WQ Report Card

Year	Old TB	Hill. Bay	Middle TB	Lower TB
1975	Red	Red	Red	Green
1976	Red	Red	Red	Yellow
1977	Red	Red	Red	Red
1978	Red	Red	Red	Yellow
1979	Red	Red	Red	Red
1980	Red	Red	Red	Red
1981	Red	Red	Red	Red
1982	Red	Red	Red	Red
1983	Red	Yellow	Yellow	Red
1984	Red	Green	Red	Yellow
1985	Red	Red	Red	Yellow
1986	Red	Yellow	Red	Green
1987	Red	Yellow	Red	Green
1988	Yellow	Green	Yellow	Green
1989	Red	Yellow	Red	Yellow
1990	Red	Green	Red	Yellow
1991	Green	Yellow	Yellow	Yellow
1992	Yellow	Green	Yellow	Yellow
1993	Yellow	Green	Yellow	Yellow
1994	Yellow	Yellow	Red	Red
1995	Red	Yellow	Red	Yellow
1996	Yellow	Green	Red	Yellow
1997	Yellow	Green	Red	Yellow
1998	Red	Red	Red	Red
1999	Yellow	Green	Yellow	Yellow
2000	Green	Green	Yellow	Yellow
2001	Yellow	Green	Yellow	Yellow
2002	Yellow	Green	Green	Green
2003	Red	Yellow	Green	Yellow
2004	Red	Green	Green	Yellow
2005	Green	Green	Yellow	Yellow
2006	Green	Green	Green	Green
2007	Green	Green	Green	Green
2008	Yellow	Green	Green	Yellow
2009	Yellow	Yellow	Green	Green
2010	Green	Green	Green	Green
2011	Red	Green	Yellow	Green
2012	Green	Green	Green	Green
2013	Green	Green	Green	Green
2014	Green	Green	Green	Green
2015	Yellow	Green	Yellow	Green
2016	Yellow	Green	Green	Green
2017	Yellow	Green	Green	Green
2018	Yellow	Green	Green	Green



Tampa Bay supports 40,618 acres of seagrass.

Exceeding goal & historic 1950's levels!

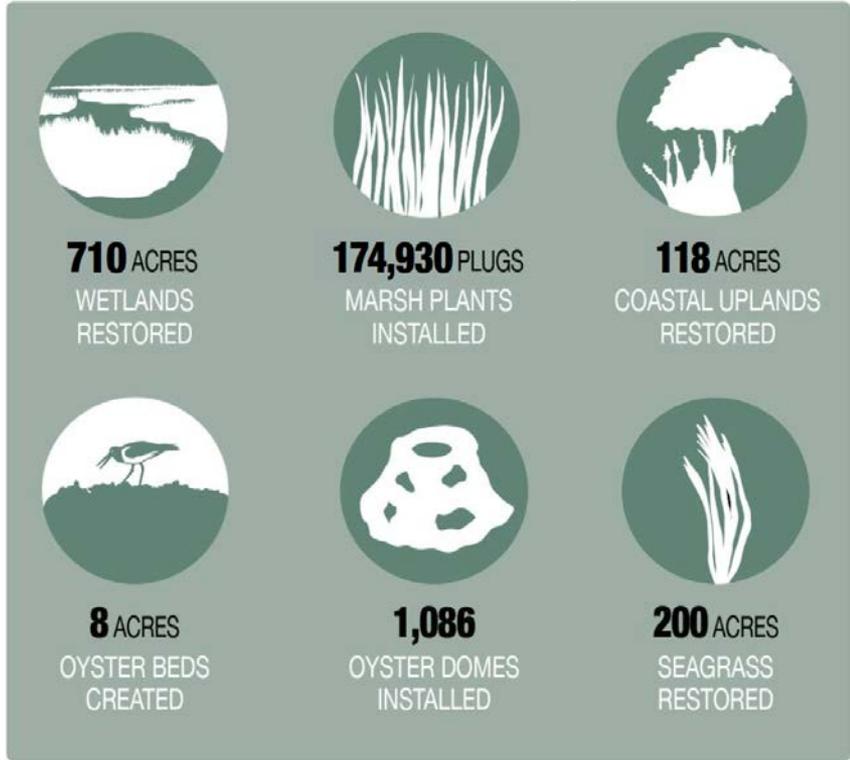


Tampa Bay Environmental Restoration Fund (TBERF)



- Public-Private Partnership
 - Restore America's Estuaries
 - Tampa Bay Estuary Program
- 14 Public-Private Contributors: **\$5.9 Million**
 - 55 Projects funded @ \$10K - \$200K
 - Leveraging an additional \$7.9 Million+
 - TBEP Policy Board can **offset** Annual, Interlocal Agreement Contributions

Since 2013:



FWCC-FWRI researchers identifying environmental and physiological cues supporting algal blooms. Can oysters can suppress future blooms?

Eckerd College researchers and students have developed monitoring & analytical techniques to assess microplastics in TB.

TBEP PARTNERSHIP FOR A HEALTHY BAY

Help Restore Tampa Bay -
Tag up Today!



Since the year 2000, revenue from sales of the Tampa Bay Estuary plate has helped to support habitat restoration efforts in our bay. How? By financing our unique **Bay Mini-Grant program**, which funds valuable **local** bay restoration and education projects by local organizations such as community groups, schools, and homeowner's associations.

\$27

The cost is ~~\$27~~ for the first year and ~~\$17~~ for renewals—one of the lowest-cost plates in the state.

SINCE 2000, MORE THAN

\$1.8 M

HAS GONE TO BAY RESTORATION AND EDUCATION PROJECTS (THROUGH THE MINI-GRANTS).

370
grants

have provided bay restoration and education projects since the year 2000.

37 Applications in September 2018

19 Projects funded in November 2018!



Florida Aquarium will be developing a red tide exhibit during World Ocean's Day in June 2019.

tbep.org/bay_mini-grants.html



Give a Day for Tampa Bay!



2018-19 Season Underway

- Sep./Dec. 2018: 4 in Manatee Co.
- Jan. 2019: Rock Ponds revisit
- Mar. 2019: Clam Bayou
- Apr. 2019: Stewart Middle School
- May 2019: Safety Harbor

Sign Up:

tbep.org -> How you Can Help

242 volunteers

5 acres improved

1,210 hours of time

2,000 native plants

14 tons invasive plants removed

A collage of six images illustrating the program's impact. Top left: A hand holding soil. Top middle: A patch of green grass. Top right: A pink flower in a green nursery container. Middle left: A brick wall with a clock. Middle right: A kitchen scale showing 14 tons. Bottom: A person working in a field.



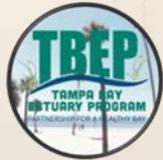
THANK YOU!

For your continued support of this
partnership program

www.tbep.org



facebook.com/TampaBayEstuaryProgram



instagram.com/tampabayestuaryprogram



youtube.com/user/TheTBEP

PARTNERSHIP FOR A HEALTHY BAY

#**LOVE**
Tampa Bay

Scoop
that
Poop!
Pooches for the Planet

Be Floridian

