



PARTNERSHIP FOR A HEALTHY BAY

2019 Program Update City of Clearwater

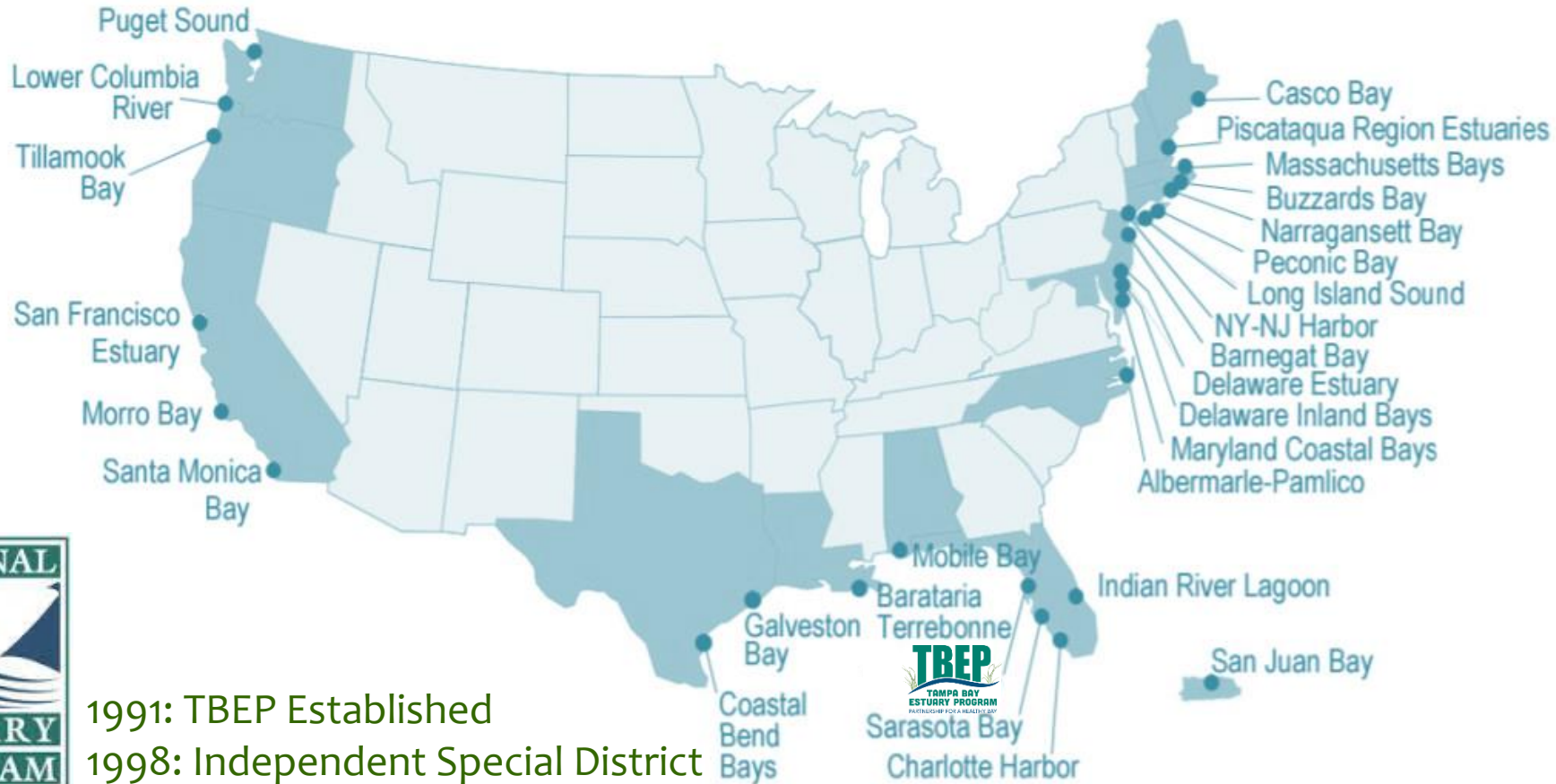
April 4, 2019

Ed Sherwood
Executive Director



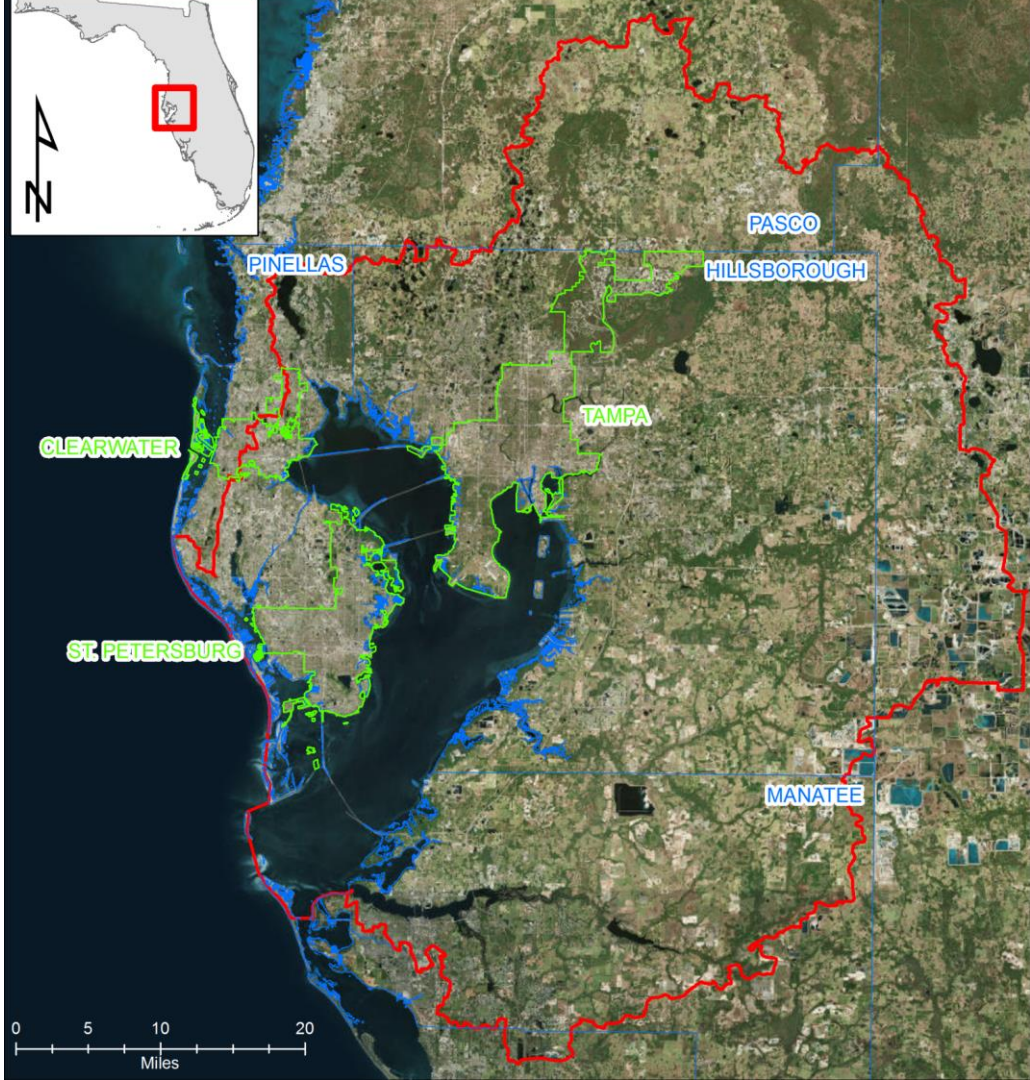


PARTNERSHIP FOR A HEALTHY BAY



1991: TBEP Established
1998: Independent Special District





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



CHARTING THE COURSE:

THE COMPREHENSIVE
CONSERVATION
AND MANAGEMENT PLAN
FOR TAMPA BAY
2017 UPDATE



<https://indd.adobe.com/view/cf7b3c48-d2b2-4713-921c-c2a0d4466632>



Comprehensive Plan Themes



3 Core Themes:

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



39 Separate Actions; 166 Specific Activities

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

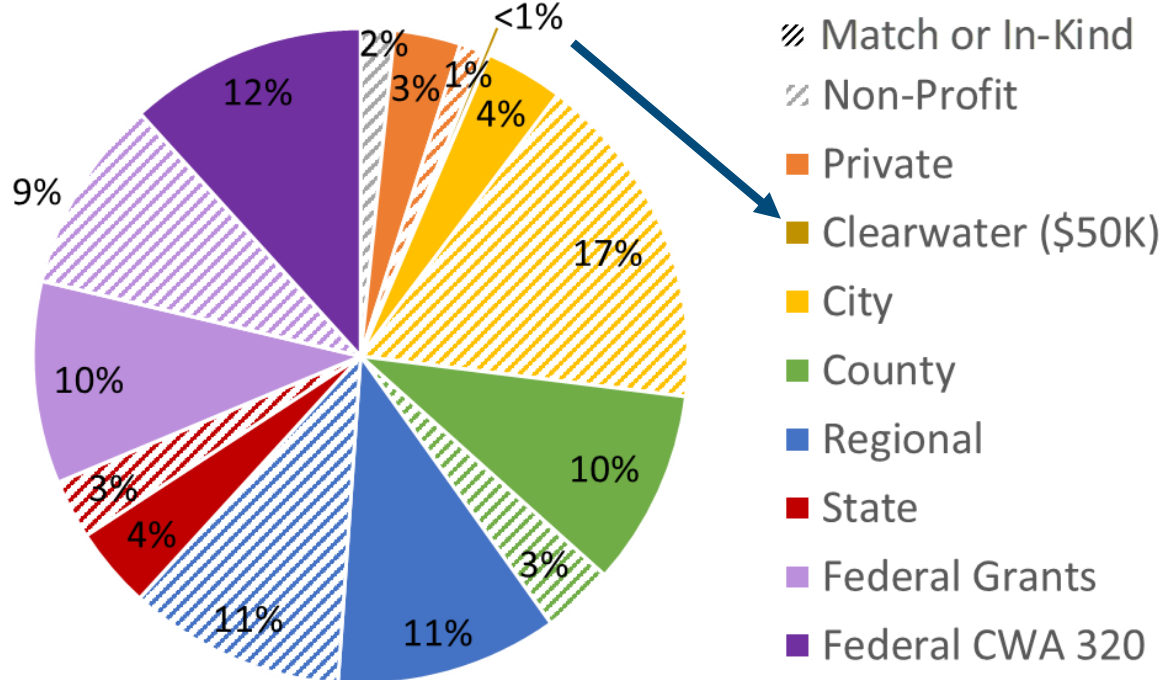


Since Oct. 2016, TBEP leveraged more than **\$16.2 Million** in funding to implement projects that benefit Tampa Bay.

Total staff = 6

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

TBEP Funding Sources (2017-2019)



\$16.21 Million (\$326:\$1, Clearwater Leveraging)

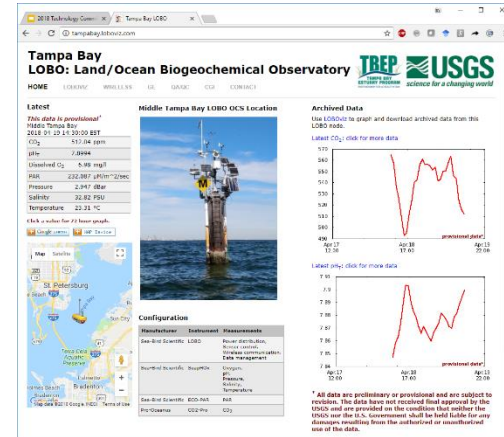
PARTNERSHIP FOR A HEALTHY BAY



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



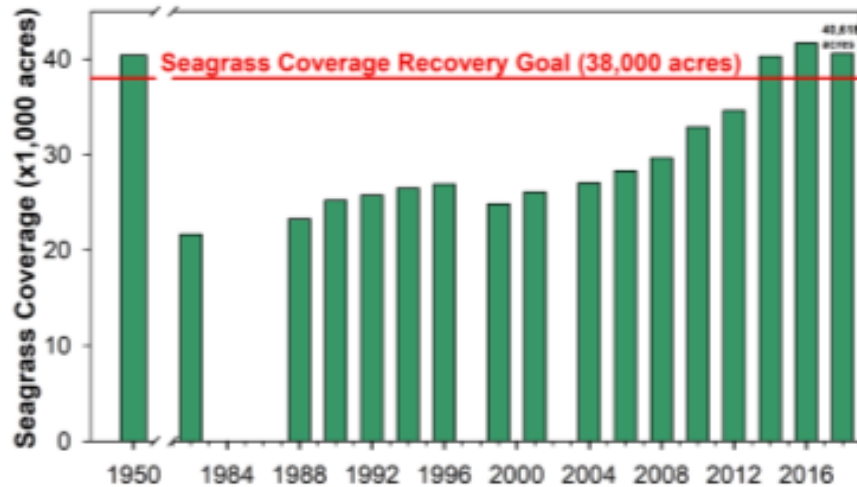
Facilitation of the TB Nitrogen Management Consortium

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



Tampa Bay now supports 41,685 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+
- Further Implement TBEP's CCMP:
 - Water Quality Improvement
 - Habitat Restoration
 - Fish & Wildlife Protection
 - Environmental Education & Outreach
 - Applied Research



Since 2013:



710 ACRES
WETLANDS
RESTORED



174,930 PLUGS
MARSH PLANTS
INSTALLED



118 ACRES
COASTAL UPLANDS
RESTORED



8 ACRES
OYSTER BEDS
CREATED



1,086
OYSTER DOMES
INSTALLED



200 ACRES
SEAGRASS
RESTORED



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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 April 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





THANK YOU!

For your continued support of this
partnership program

www.tbep.org



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facebook.com/TampaBayEstuaryProgram



instagram.com/tampabayestuaryprogram



@ YouTube

youtube.com/user/TheTBEP

PARTNERSHIP FOR A HEALTHY BAY

#**LOVE**
Tampa Bay

**Scoop
that
Poop!**
Pooches for the Planet

Be Floridian






EXTRA SLIDES

PARTNERSHIP FOR A HEALTHY BAY





Bay Mini-Grant Program Benefits the Region



Blue Turtle Society
purchased kayaks
and trailer

Kayaks were used at
9 clean-up events
by 57 volunteers



Friends of the Tampa Bay
National Wildlife Refuges
Provided funding for Title 1
student field trips to Fort
DeSoto and Weedon Island



Safety Harbor Restoration
198 volunteers installed
12,733 plants on 2 acres

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Tampa Bay Environmental Restoration Fund (TBERF)



Since 2013, TBEP has garnered **\$4.5 Million** in public & private funding to implement projects that benefit Tampa Bay through TBERF. **\$7.9 Million+** in additional leveraged/matched funds through TBERF-funded projects.

The fund is now entering its sixth year.

55 partner projects funded to date at \$10K – \$200K.



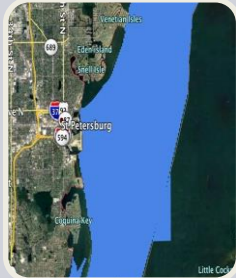
FWCC-FWRI researchers identifying environmental and physiological cues supporting algal blooms in Old Tampa Bay. Also determining if oysters can suppress future blooms.



Eckerd College researchers and students have led the region in developing monitoring and analytical techniques to assess the amount of microplastics in Tampa Bay.



TBERF Benefits to the Region



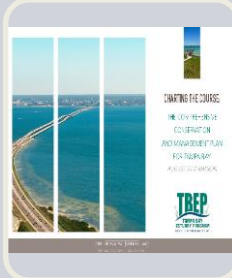
Hard Bottom Mapping – mapping of hard bottom habitats in the Pinellas County Aquatic Preserve.



Woodstork Pond Restoration – removal of invasive plants and replacement with native plants at The Shores of Long Bayou.



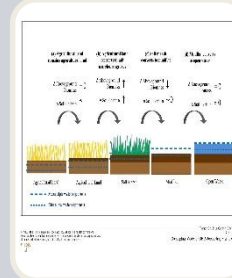
Safety Harbor Shoreline and Spring Restoration – Phase 2 expands shoreline restoration, removal of seawall and replacement with living shoreline.



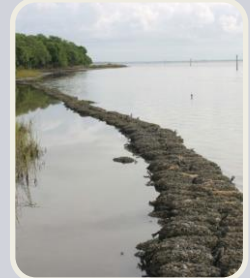
CCMP Crosswalk – A technical assistance tool for local governments to incorporate CCMP goals into their comprehensive plans.



Boyd Hill Freshwater Wetland Restoration – Working with SWFWMD to restore hydrology and wetlands in Pinellas County



Tampa Bay Blue Carbon Assessment – Worked with RAE to identify the carbon sequestration value of estuarine wetlands in Tampa Bay



MacDill Air Force Base Living Shoreline – Worked with Tampa Bay Watch to install bagged oyster shell to encourage oyster restoration along the Interbay Peninsula