



Restoring Tampa Bay:
TBEP and Pinellas County Partnership
25 Years of Progress



Holly Greening
Tampa Bay Estuary Program
Spring 2014



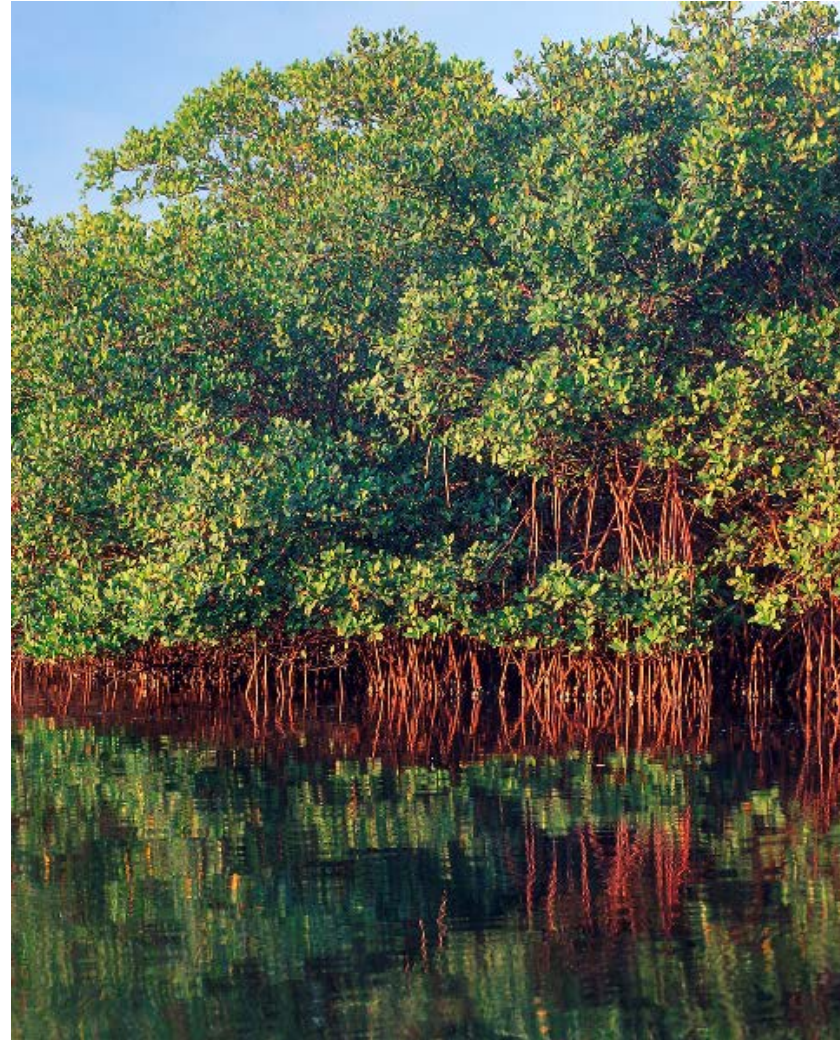
Tampa Bay in the 1970s



Photo by JOR Johansson

Restoring Tampa Bay

- Citizen action
- Agency on Bay Management
early 1980s
- SWFWMD SWIM
late 1980s
- TBEP
1990



Pinellas County a Founding Partner



TBEP facilitates public/private partnerships

- 300+ projects implemented between 1996-2013
- Decreased industrial discharges
- Upgrades to sewage plants
- Improvements to air quality at power plants
- Better handling of materials (less spills)
- Stormwater treatment
- Residential actions



Water quality has improved

Annual average *chl-a* concentration thresholds

Advanced wastewater treatment begins

Stormwater regulations enacted

TBEP

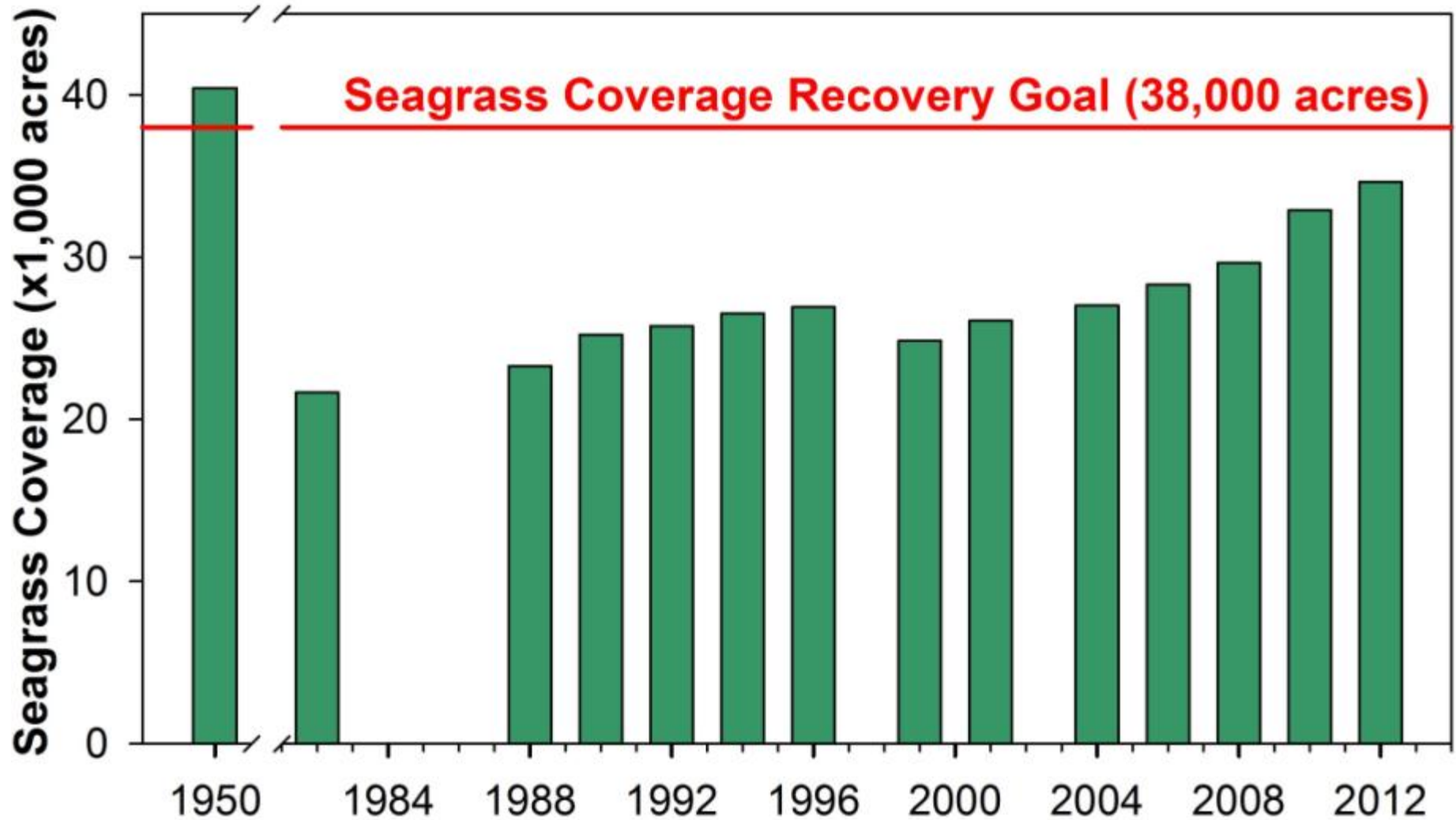


Photo by Bryan Chamberlain

Data source: EPCHC

Year	Old Tampa Bay	Hillsborough Bay	Middle Tampa Bay	Lower Tampa Bay
1974	No	No	No	Yes
1975	No	No	No	Yes
1976	No	No	No	Yes
1977	No	No	No	No
1978	No	No	No	Yes
1979	No	No	No	No
1980	No	No	No	No
1981	No	No	No	No
1982	No	No	No	No
1983	No	No	No	No
1984	Yes	Yes	No	Yes
1985	No	No	No	Yes
1986	No	No	Yes	Yes
1987	No	Yes	No	Yes
1988	Yes	Yes	Yes	Yes
1989	No	Yes	Yes	Yes
1990	No	Yes	Yes	Yes
1991	Yes	Yes	Yes	Yes
1992	Yes	Yes	Yes	Yes
1993	Yes	Yes	Yes	Yes
1994	No	No	No	No
1995	No	No	No	Yes
1996	Yes	Yes	Yes	Yes
1997	Yes	Yes	Yes	Yes
1998	No	No	No	No
1999	Yes	Yes	Yes	Yes
2000	Yes	Yes	Yes	Yes
2001	Yes	Yes	Yes	Yes
2002	Yes	Yes	Yes	Yes
2003	No	Yes	Yes	Yes
2004	No	Yes	Yes	Yes
2005	Yes	Yes	Yes	No
2006	Yes	Yes	Yes	Yes
2007	Yes	Yes	Yes	Yes
2008	Yes	Yes	Yes	Yes
2009	No	Yes	Yes	Yes
2010	Yes	Yes	Yes	Yes
2011	No	Yes	Yes	Yes
2012	Yes	Yes	Yes	Yes
2013	Yes	Yes	Yes	Yes

And seagrasses have responded



Data: SWFWMD

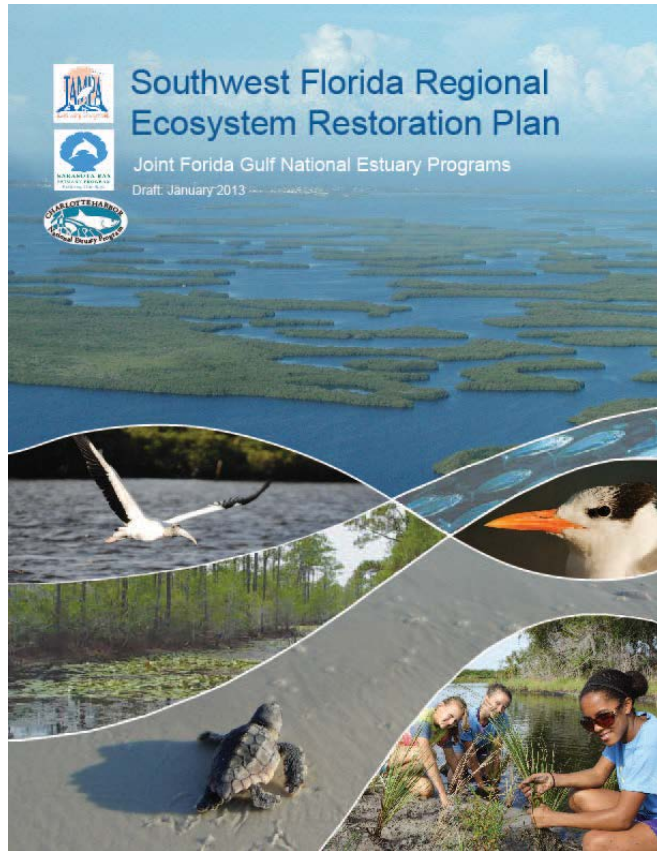
TBEP- Pinellas County 2013 Highlights

‘Be Floridian’ Residential Fertilizer Education Campaign

Supports the County’s
residential fertilizer
ordinance restricting
nitrogen fertilizer
application during
summer months



Regional RESTORE Ecosystem Restoration Plan



Southwest Florida NEP collaboration

300 projects vetted, ranked and approved by elected officials/ agencies representing half the Florida Gulf Coast

Delivered to State and Federal RESTORE Council. Continuing communication with State and Federal councils.

\$33M to support 13 County projects

Bay Mini-Grants

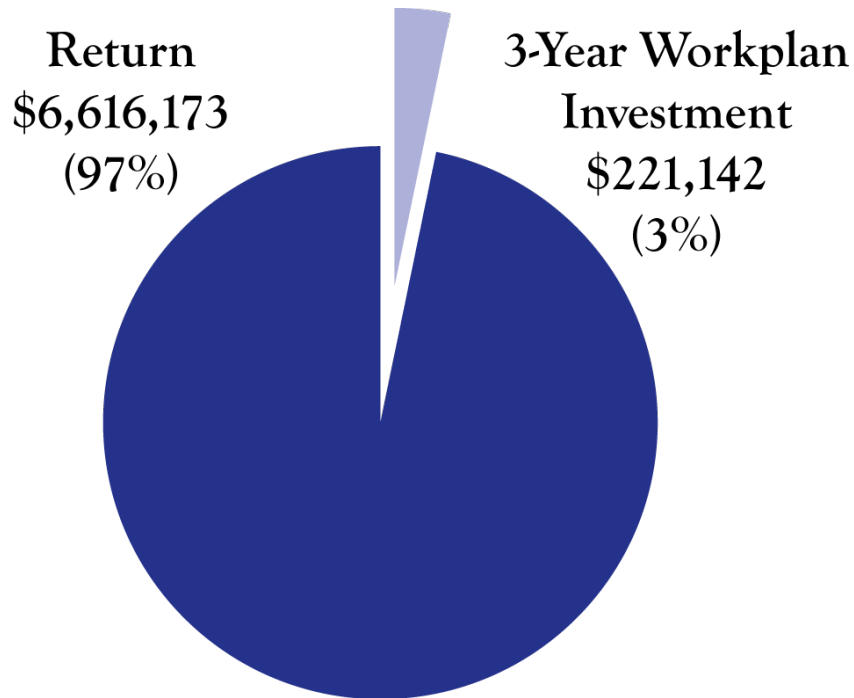
Almost \$145,000 awarded to community projects in the County since 2011, including:



- Lealman Water Quality Education Initiative
- Beach dune restoration at Ft DeSoto Park



Return on Investment



For your annual base funding support of \$73,714 over the last three years, TBEP has leveraged more than \$6.6 M in additional funding to restore and protect Tampa Bay

TBEP leveraged \$30 for every \$1 contributed by Pinellas County

*Thank you for your continued partnership
to restore and protect Tampa Bay*



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Photo by Peter Lousberg