



TBEP- Pinellas County Annual Update



Holly Greening, Director
Tampa Bay Estuary Program
June 2017



Tampa Bay in the 1970s



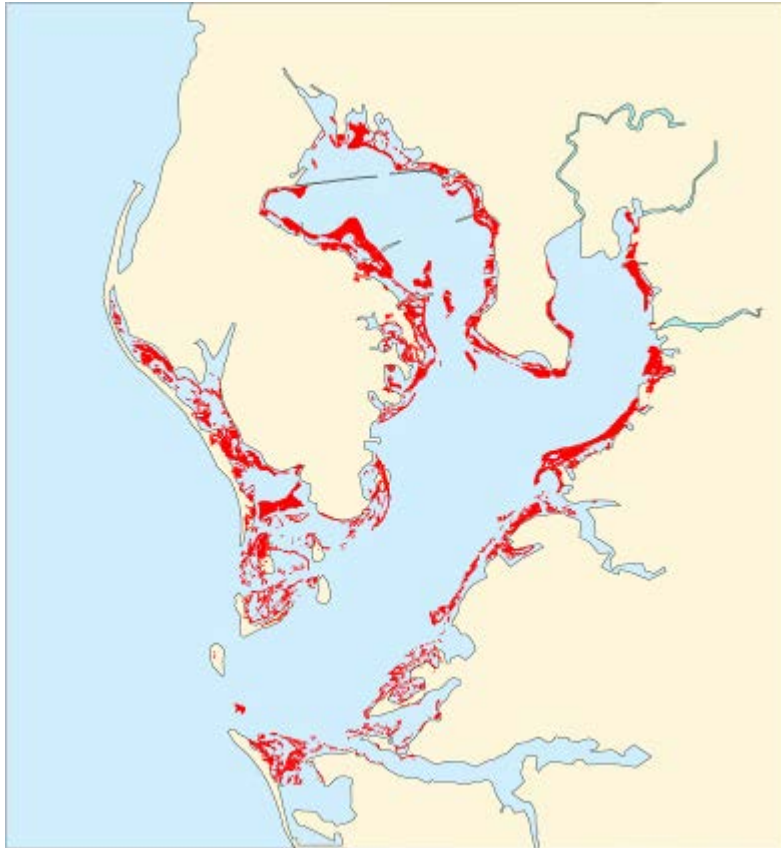
Archie Creek



“The Kitchen” (Hillsborough Bay near Gibsonton)

Photo by JOR Johansson

Seagrass: Indicator of a Healthy Bay



Difference between 1950 and 1990
seagrass cover

**Seagrass
Restoration Goal:
Restore seagrass
acreage to that
observed in ~1950.**



Pinellas County: A Founding Member



Nitrogen Management Consortium

- 55+ public and private partners throughout watershed-
- 600 projects and actions; 450 tons nitrogen removed



Water quality has improved

Annual average chl-a concentration thresholds

Advanced wastewater treatment begins

Stormwater regulations enacted

TBEP formed

NMC formed

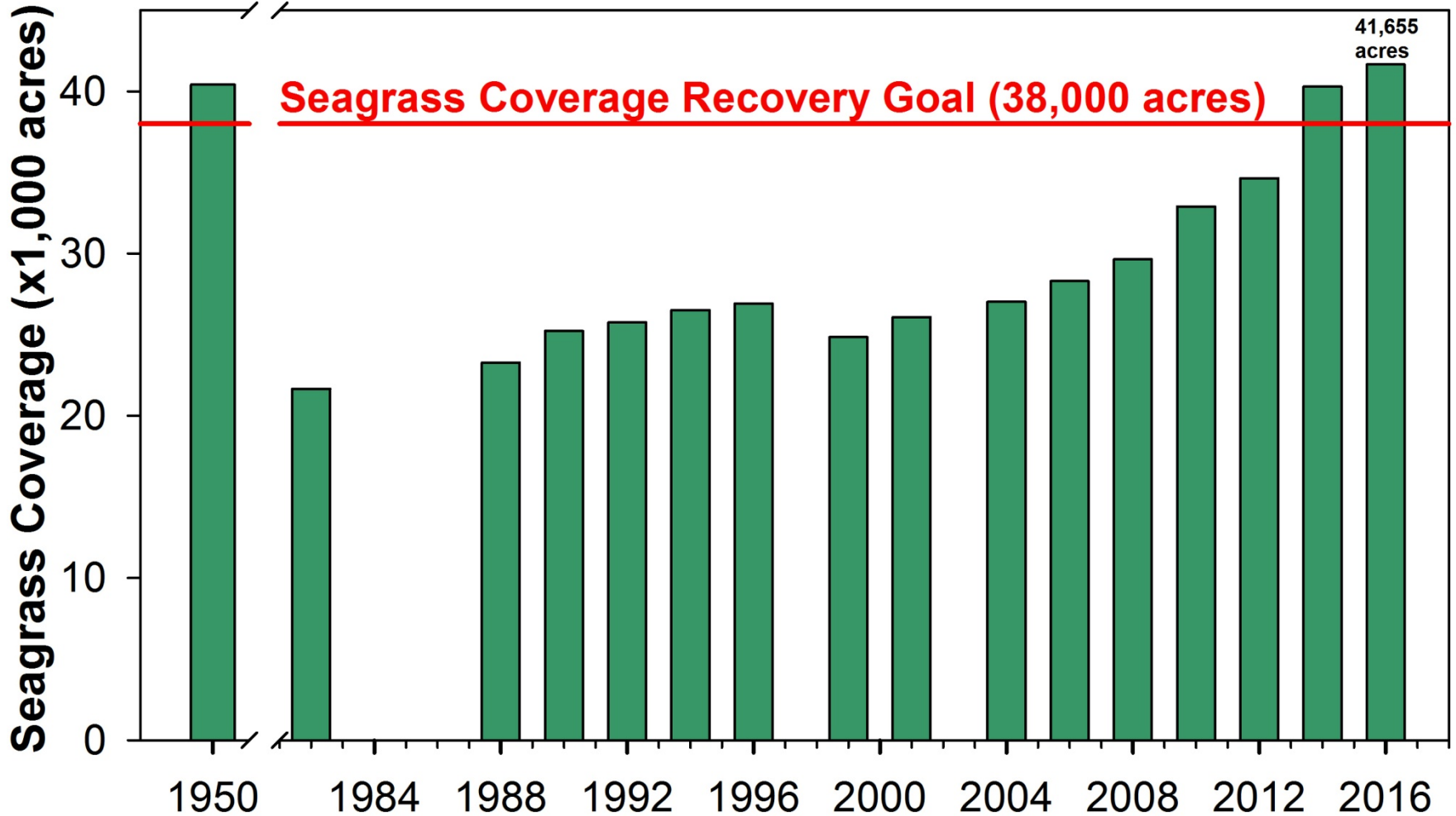
Year	Old Tampa Bay	Hillsborough Bay	Middle Tampa Bay	Lower Tampa Bay
1974	No	No	No	Yes
1975	No	No	No	Yes
1976	No	No	No	Yes
1977	No	No	No	No
1978	No	No	No	Yes
1979	No	No	No	No
1980	No	No	No	No
1981	No	No	No	No
1982	No	No	No	No
1983	No	No	No	No
1984	Yes	Yes	No	Yes
1985	No	No	No	Yes
1986	No	No	Yes	Yes
1987	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
2014	Yes	Yes	Yes	Yes
2015	No	Yes	Yes	Yes
2016	Yes	Yes	Yes	Yes



Photo by Bryan Chamberlin

Data source: EPCHC

2016- Seagrass Goal Exceeded!



Data: SWFWMD

Pinellas County - TBEP 2017 Update



TBEP leverages \$27 for every \$1 contributed by Pinellas County to implement projects that benefit Tampa Bay and it's watershed.

Pinellas County - TBEP 2017 Update

Over the last 3 years, TBEP has awarded \$85,385 to Pinellas County recipients of Bay Mini-Grants



Students at Canterbury School
'Build a Buoy' to measure water
quality



Tampa Bay Environmental Restoration Fund 2013-2016

TBERF has funded
4 projects in
Pinellas County
totaling \$467K

Pinellas County has
contributed \$150K
during this period
THANK YOU!



New Ft Desoto Bridge to increase flow



COVER STORY

CLEAN WATER MEANS MORE THAN YOU THINK

Despite massive growth, water quality in Tampa Bay has improved dramatically in 20 years



HEALTHY BAY

1 out of every 5 jobs in the TBEP Watershed depend on a healthy bay.

\$22B

within all six counties

13%

of economy for all six counties

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



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Photo by Peter Lousberg