

Pensacola & Perdido Bays Estuary Program

Donald Killorn

What is an Estuary Program?

Stakeholder driven, non-regulatory program
Involves community in the decision-making process
Develops measurable goals for environmental health
Utilizes long-term strategic planning (CCMP) to prioritize action
Science-based approach to developing and implementing the plan

National Estuary Programs



History of Pensacola & Perdido Bays EP

- >1989: Bay Area Resource Council (BARC) established
- >2000: 1st Annual Bay Day event
- >2010: Deepwater Horizon oil spill
- >2017: EPA calls for proposals to establish new estuary program
- >August 2017: EPA announces selection of BARC's proposal of PPBEP

September 2018: BARC officially transitions into PPBEP

Governing Parties: Baldwin, Escambia, Santa Rosa, & Okaloosa Counties, and the cities of Orange Beach, Pensacola, Gulf Breeze, Milton, Century



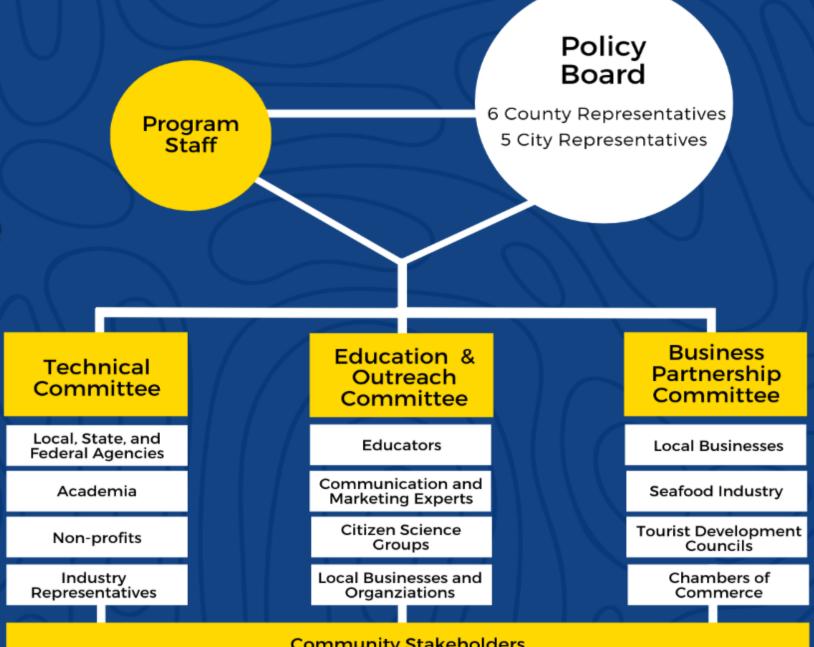
\$2 million grant award from RESTORE Council and EPA

Our Mission

To restore and protect the water quality and natural resources of the Pensacola & Perdido Bays and watersheds through partnerships, using a community-based, scientifically-sound approach to enhance resilience.

A healthy and sustainable environment, economy, and community

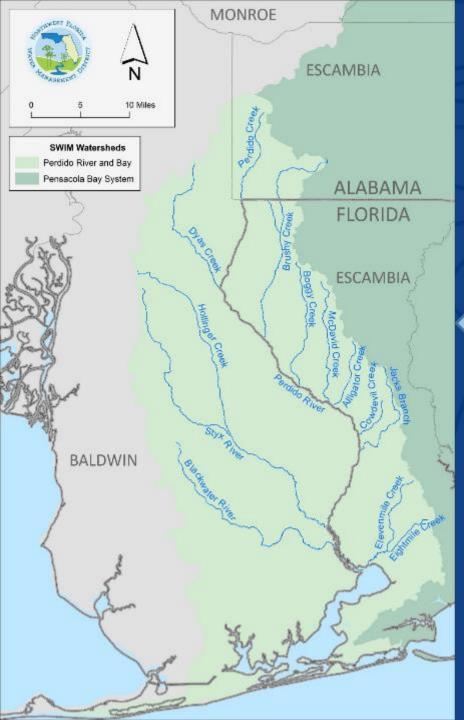
Program Structure



Community Stakeholders

PPBEP's Coverage



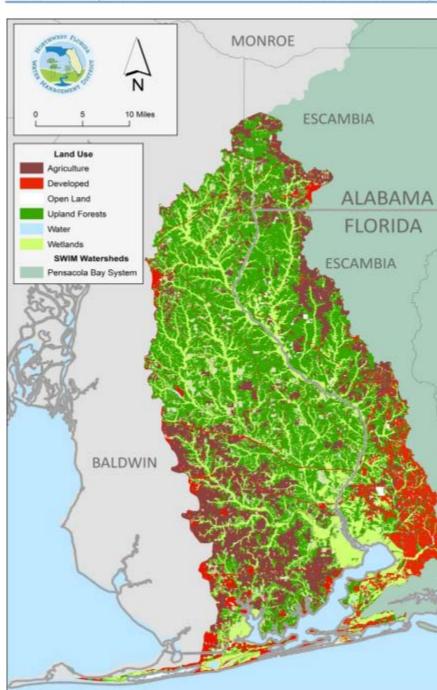


Perdido Watershed

Pensacola Watershed



Northwest Florida Water Management



Land Use

Perdido Watershed

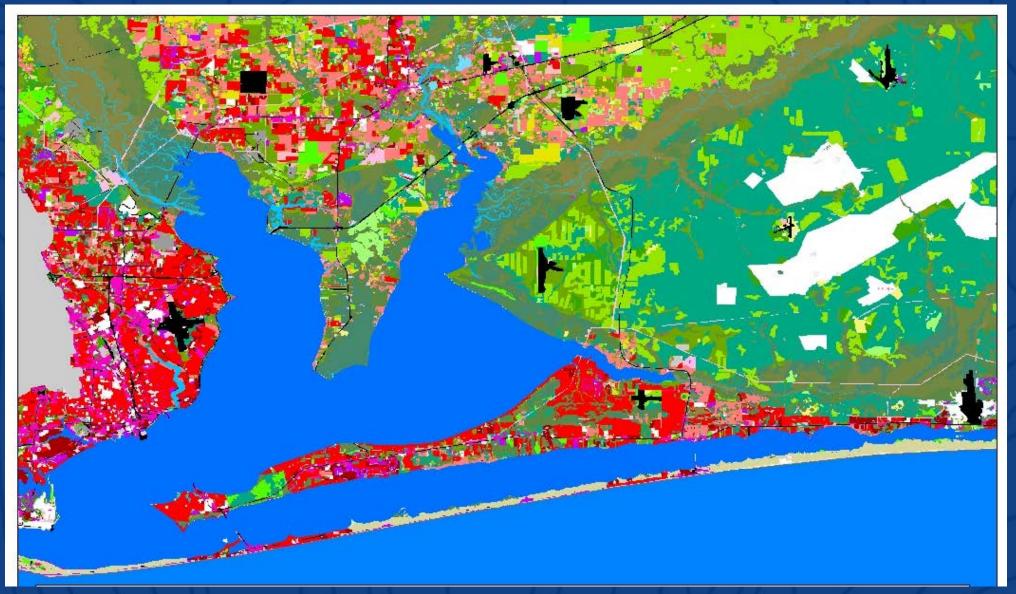
Pensacola Watershed

Pensacola Bay System SWIM Plan

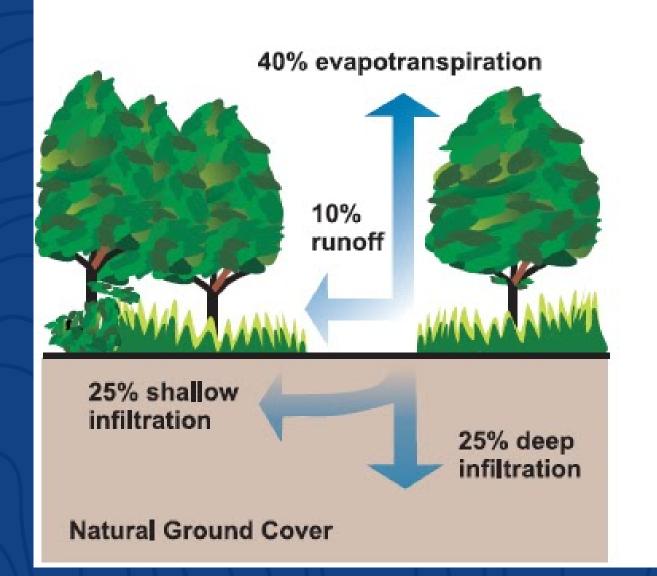
Northwest Florida Water Managem



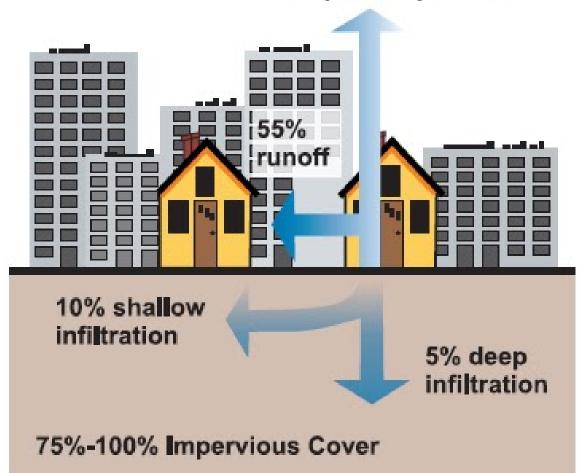




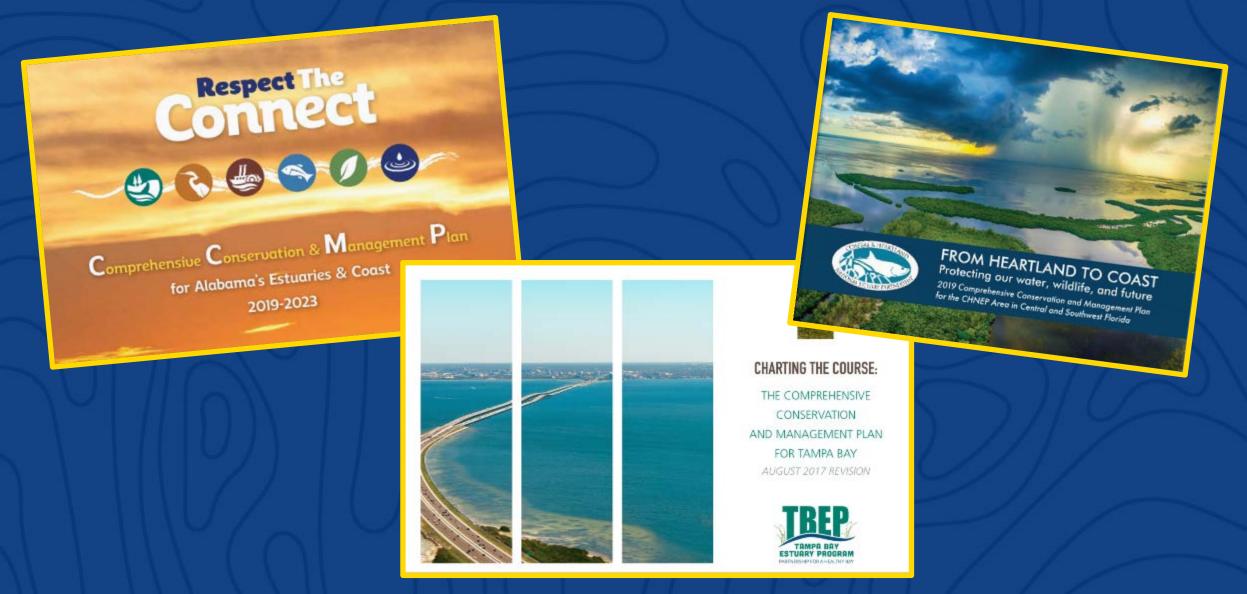
Urbanization



30% evapotranspiration

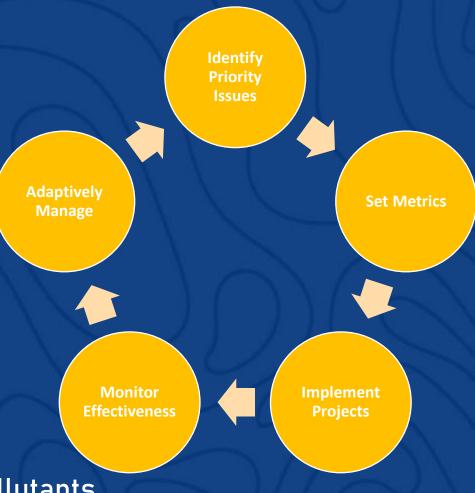


What is a CCMP? Why is it important?



Benefits of CCMP

>Watershed Coordination Community Outreach & Education Comprehensive Monitoring >Address Priority Issues: > Stormwater management >Land use change \succ Pathogens, nutrients, sedimentation, & legacy pollutants > Domestic & Industrial Wastewater >Agriculture BMPs



CCMP DEVELOPMENT



GOALS

ROOT CAUSES

PRIORITY INDICATORS

ENVIRONMENTAL STRESSORS

VALUES & USES OF ESTUARY

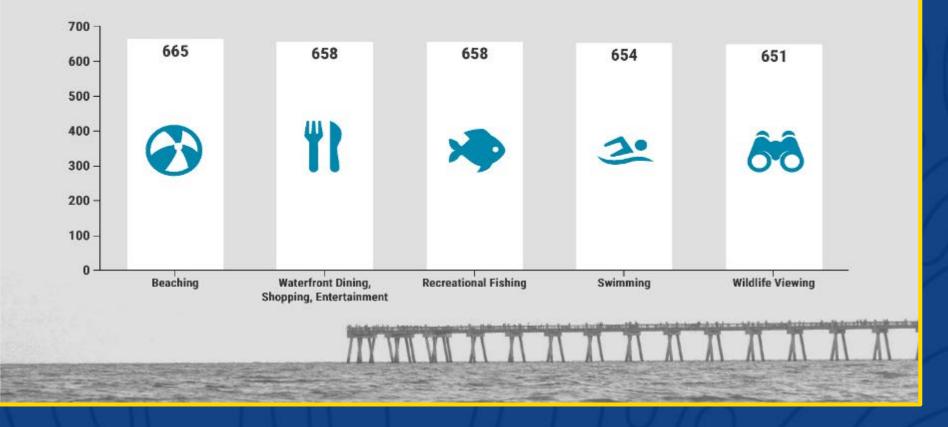
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to Success: Collaborative Problem Solving ACCA AddH Inchators SII TC Mtg provide frame of refinence for public by them Provide frame of refinence for public b

Addtl Indicators 3.11 TC mtg · Armored Shorelines 3 Wildlife Sightings + popltn trends / dynamics EC Marine Rarices Marine Life List Manatus | Blue Crab / Mullet Fishurius Indput Monitoring * Abundance / Density of Key Species (Microplastics (1) Sediment Toxicity -> expand ? · Protected Species - 3 to Turtles, Shorebirds, Beh M Show trends; along w/ current conditions ctc four changes over time (1)

COMMUNITY SURVEY

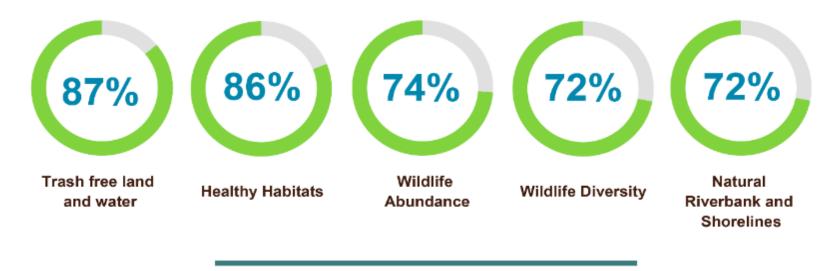
Top 5 Activities Pensacola Bay Watershed



COMMUNITY SURVEY

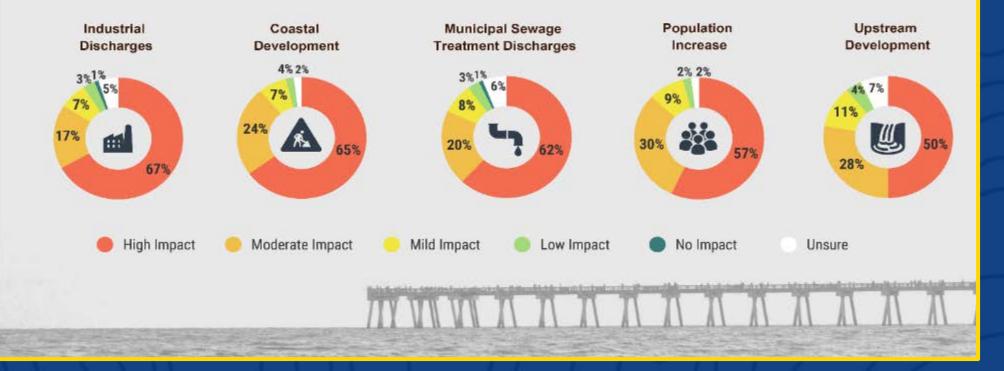
In your opinion, how important are each of the following for healthy watersheds?

Top 5 Items Perceived as "Very Important"



COMMUNITY SURVEY

Top 5 Perceived Environmental Impacts: Pensacola Bay Watershed





Workshop Series

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former so year

Lack of Species Diversity

Tourism

Dredging

Sanitary Sewer Overflow

Acute va Chronic Hypegie

Climate Change

Oil

Spills

Storms

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Technical Committee



Invasive species Nonpoint source pollution Nutrients Erosion Sedimentation discharge





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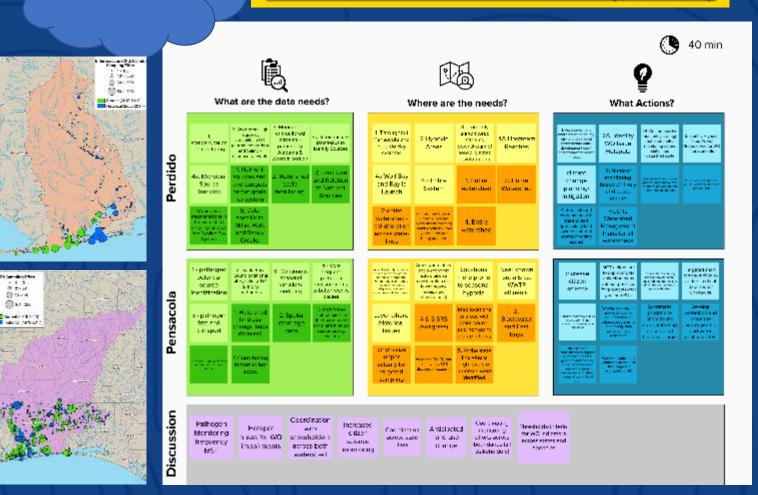
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Car and Child Sector

Workshop Series

Focus Area Indicators: Water Quality/Quantity



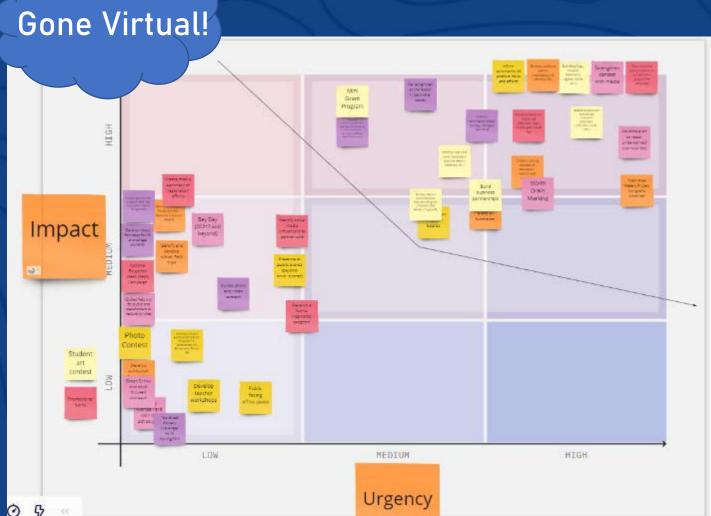
Technical Committee





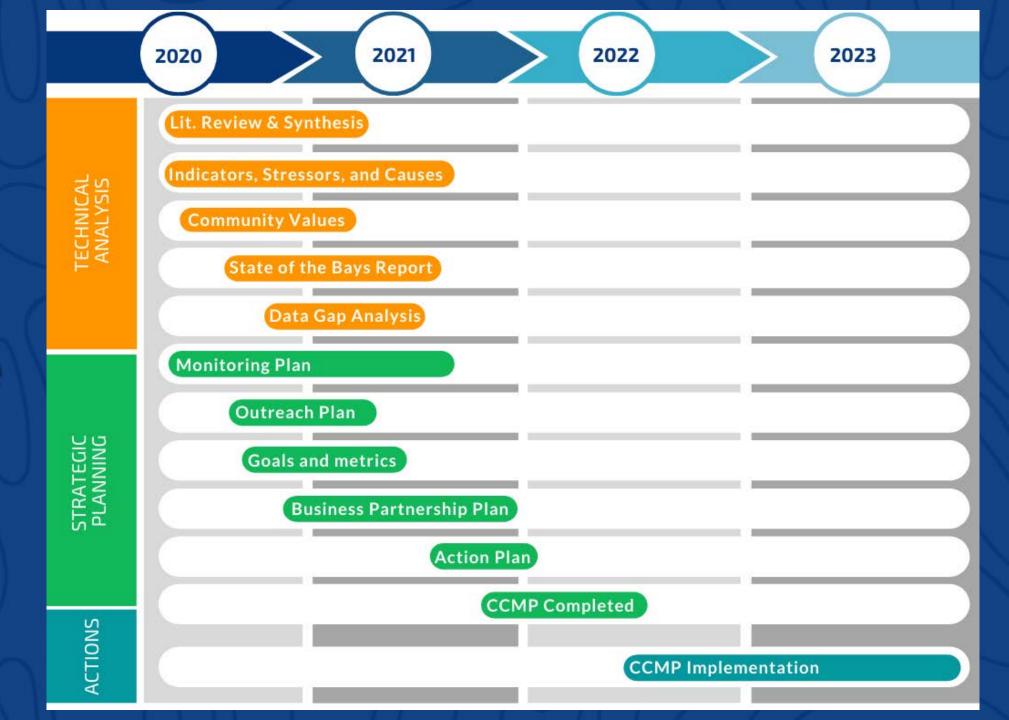
Workshop Series

Education and Outreach Committee





CCMP Timeline



National Coastal Condition Assessment

> EPA Survey Intensifications: National Coastal Condition Assessment



National Coastal Wetland Assessment

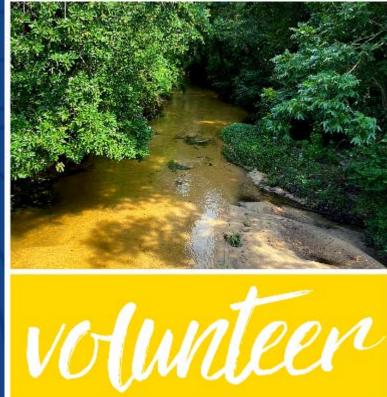
> EPA Survey Intensifications: National Coastal Wetland Assessment



Trash Free Waters

> Trash removal and mitigation in Jones & Carpenter Creek

Carpenter's Creek











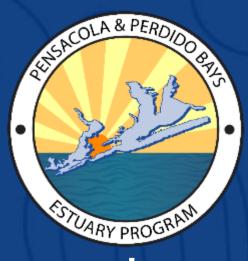


Assist with Cleanups Monitor Litter Capture Devices Collect Data



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CONTACT US!



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