

## 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: 1<sup>st</sup> 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



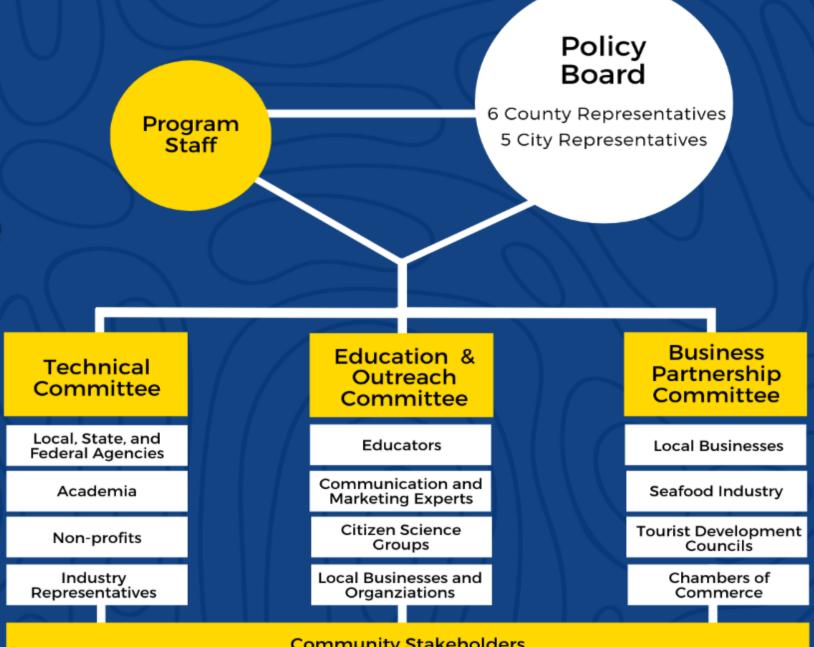
### \$2 million grant award from RESTORE Council and EPA

### **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

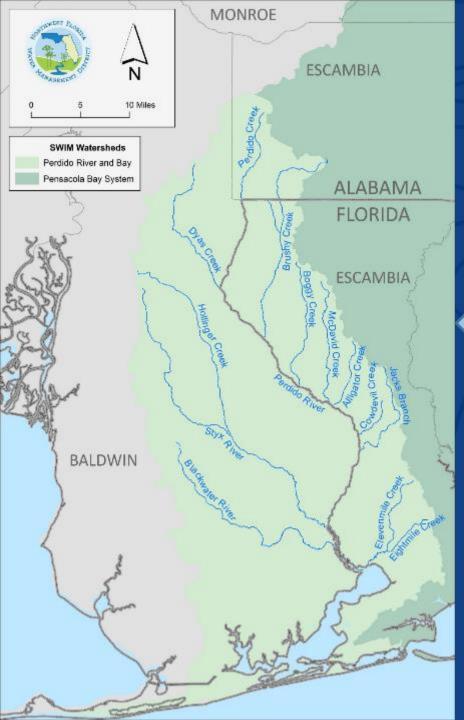
## Program Structure



**Community Stakeholders** 

## **PPBEP's Coverage**



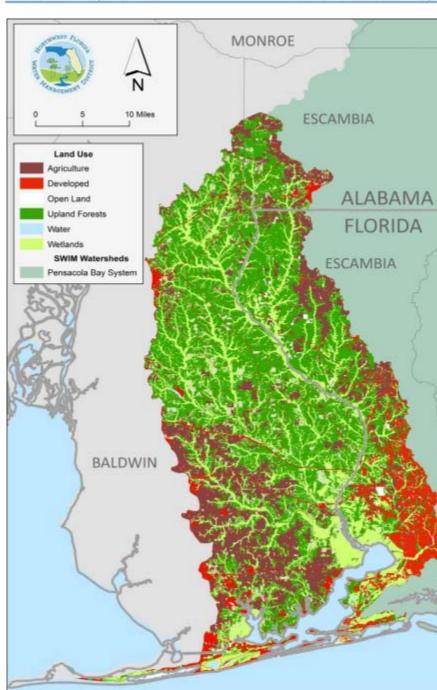


### **Perdido Watershed**

### Pensacola Watershed



Northwest Florida Water Management



## Land Use

### **Perdido Watershed**

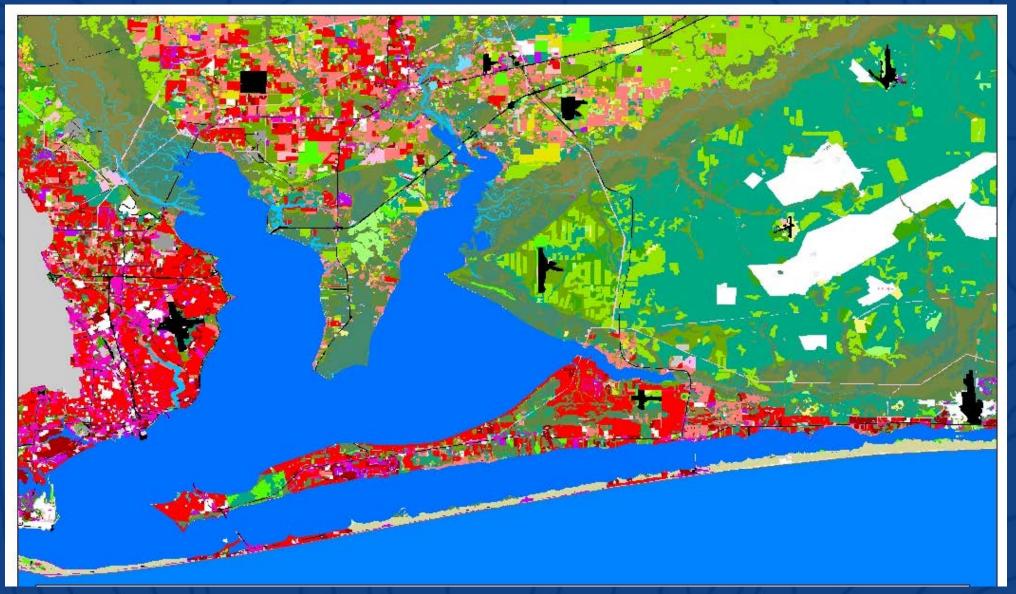
### Pensacola Watershed

Pensacola Bay System SWIM Plan

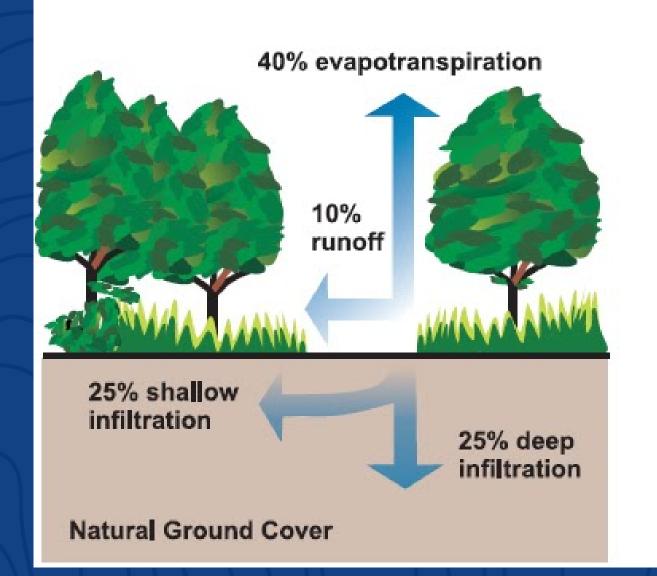
Northwest Florida Water Managem



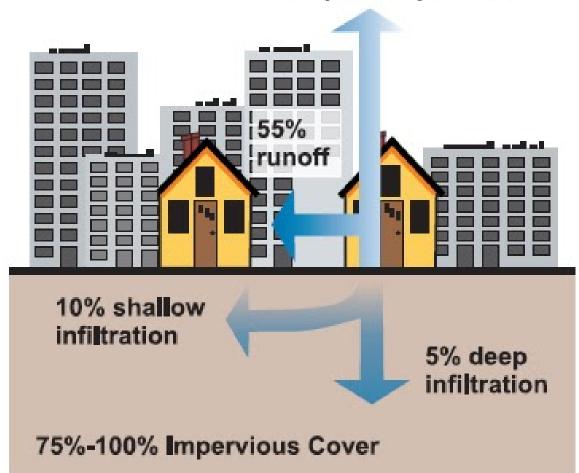




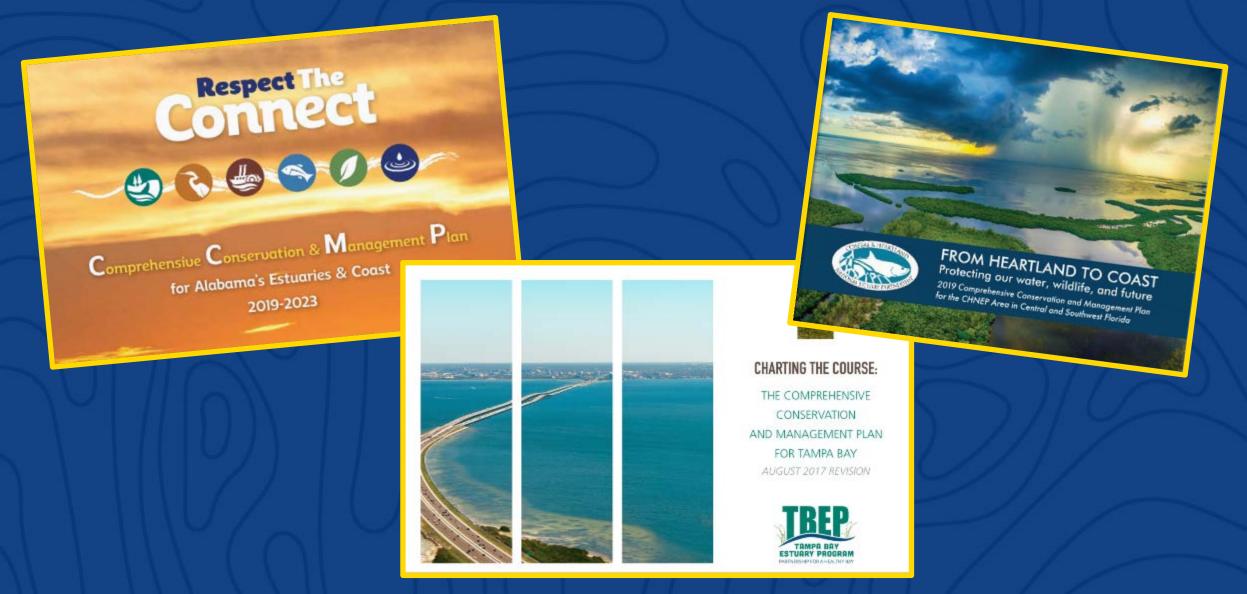
## **Urbanization**



#### 30% evapotranspiration

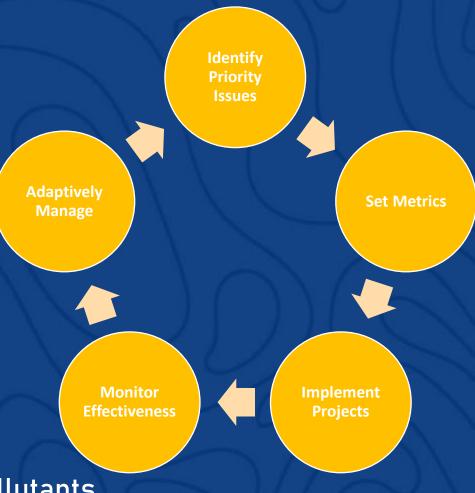


## What is a CCMP? Why is it important?



## **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

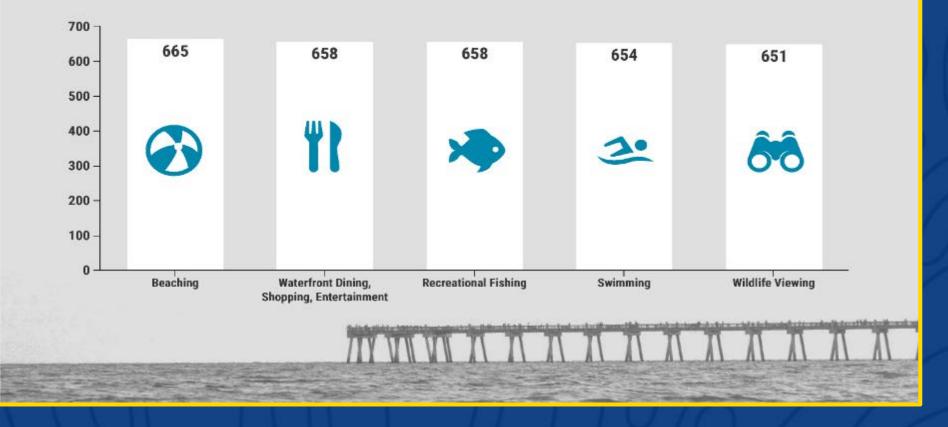
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to Success: Collaborative Problem Solving ACCA AddH Inchators SII TC Mtg provide frame of refinence for public by them Provide frame of refinence for public b

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**

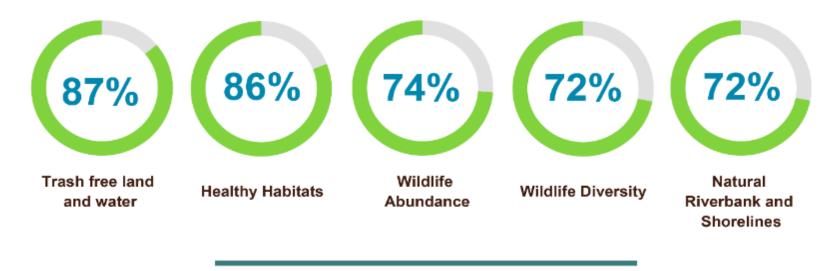
#### Top 5 Activities Pensacola Bay Watershed



# **COMMUNITY SURVEY**

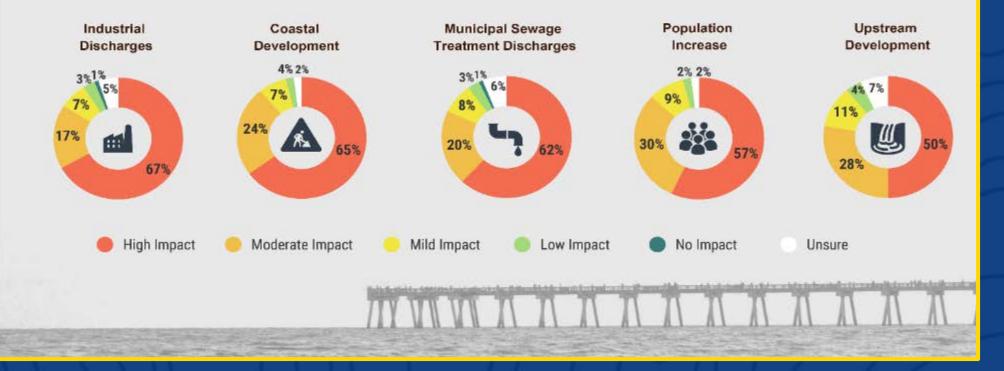
In your opinion, how important are each of the following for healthy watersheds?

#### **Top 5 Items Perceived as "Very Important"**



## **COMMUNITY SURVEY**

### Top 5 Perceived Environmental Impacts: Pensacola Bay Watershed





# Workshop Series

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Lack of Species Diversity

Tourism

Dredging

Sanitary Sewer Overflow

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Climate Change

Oil

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Storms

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#### **Technical Committee**



Invasive species Nonpoint source pollution Nutrients Erosion Sedimentation discharge





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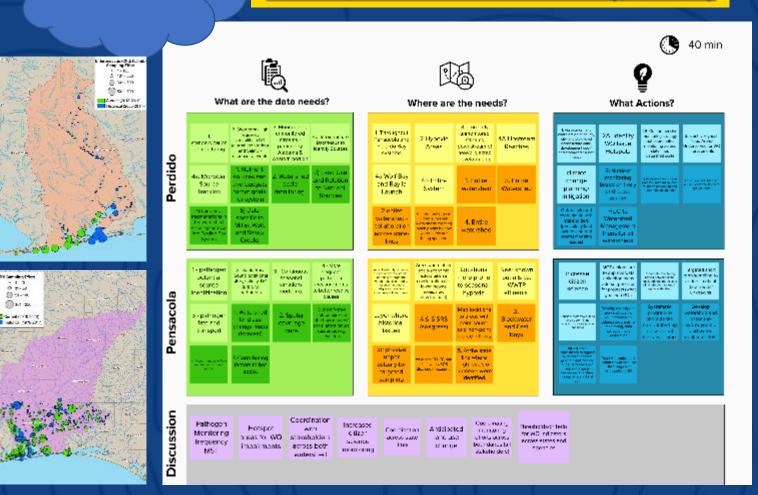
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Car and Child Sector

# Workshop Series

#### Focus Area Indicators: Water Quality/Quantity



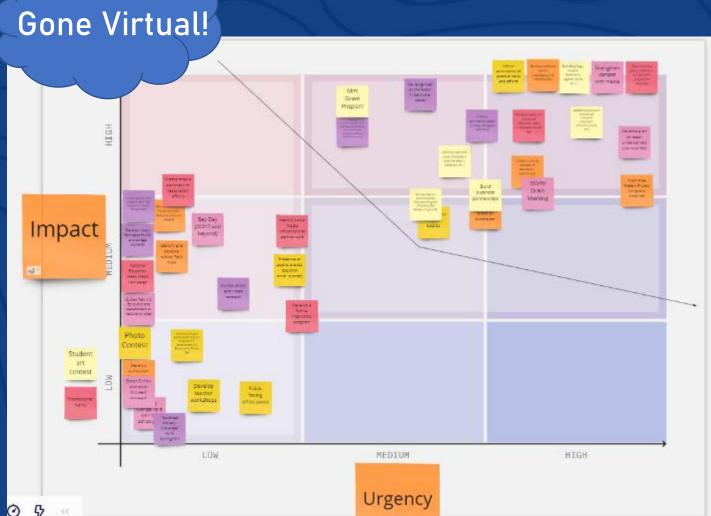
#### **Technical Committee**





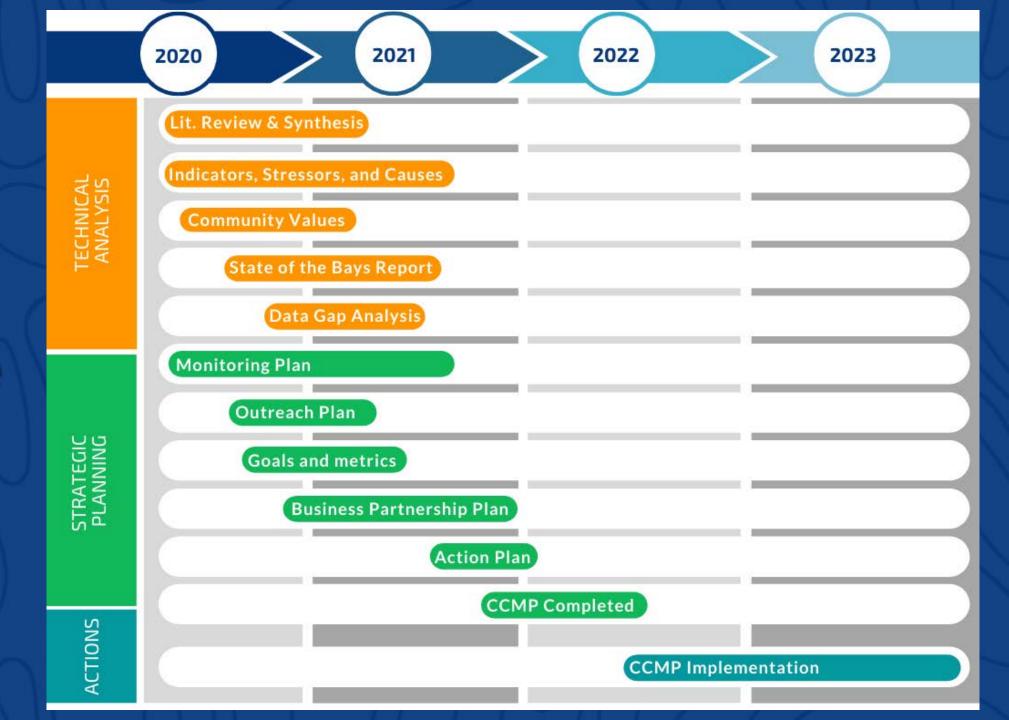
# Workshop Series

#### **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











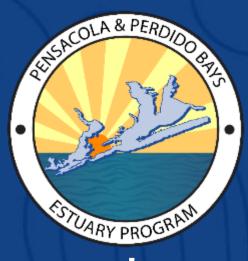


Assist with Cleanups Monitor Litter Capture Devices Collect Data



Emerson Cheney edcheney@myescambia.com Trash Free Waters Volunteer Coordinator PPBEP.org

## **CONTACT US!**



## www.ppbep.org



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