Comprehensive Planning for Clean Water: Tools and Strategies

July 23, 2020 | 10:00am-11:30am | Zoom Webinar



Making Great Communities Happen









Mission Statement

To serve our citizens and member governments by providing a forum to foster communication, coordination, and collaboration in identifying and addressing needs regionally.

Who We Serve (Members)

- 6 Counties
- 21 Municipalities
- > 13 Gubernatorial Appointees
- > 3 Ex-Officios







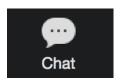
Moderator



Sarah Vitale, AICP
Senior Planner



Housekeeping



If you have technical difficulties, send me a message using the chat button or email me at sarah@tbrpc.org.



This presentation is being recorded.

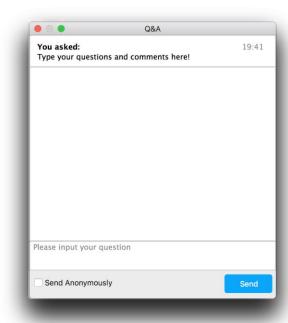
How do I ask a question?



Attendees are in listen-only mode. Raise your hand to be unmuted during the Q/A period.



You can type questions for the presenters at any time using the Q/A window.



Speakers



Maya Burke
Tampa Bay Estuary
Program



Melissa Dickens,
AICP
Hillsborough
County Planning
Commission



Kevin Moran, PE Hillsborough County



Cara Woods Serra,
AICP, CFM
Tampa Bay Regional
Planning Council

Poll Questions

Overview

1. History

- National Estuary Programs (NEPs)
- Barriers to Implementation

2. Incorporating Clean Water Policies

- Collaborating with a Multijurisdictional Team
- Hillsborough County One Water

3. Comprehensive Plan Crosswalk

- Project Goals
- Development of the Crosswalk
- Stakeholder Review

4. Model Language Development

- Development of Model Language
- Selection of CCMP Priority Actions
- Development and Review of Model Language Guide



COMPREHENSIVE PLANNING FOR CLEAN WATER:

TOOLS AND STRATEGIES

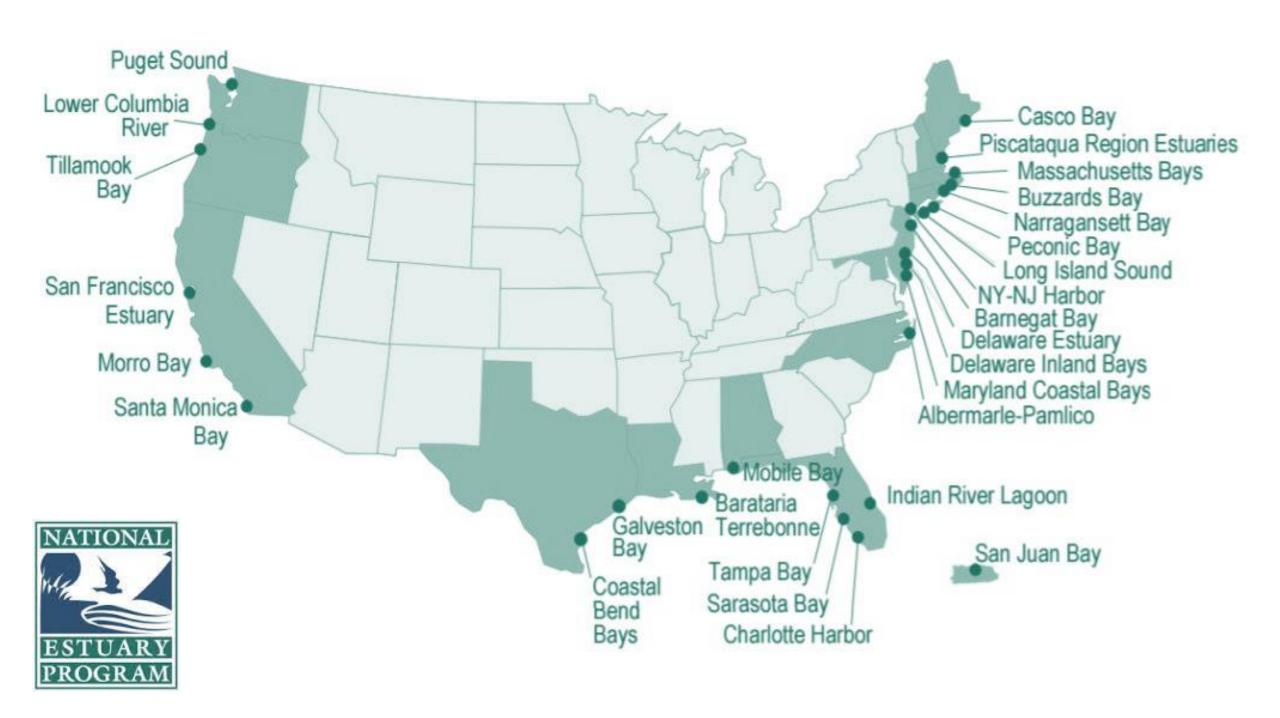


- BRIEF HISTORY OF ESTUARY PROGRAMS
- CCMPs + LOCAL COMPREHENSIVE PLANS
- AVAILABLE TECHNICAL ASSISTANCE

MAYA BURKE

SCIENCE POLICY COORDINATOR mburke@tbep.org

















Clearwater





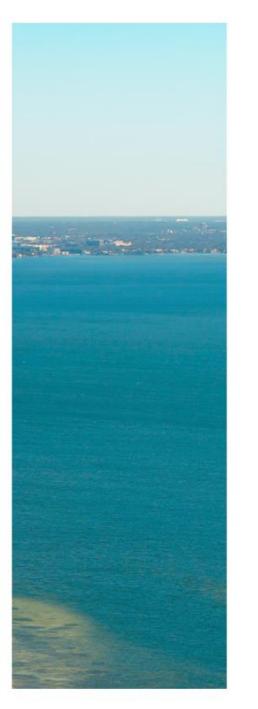














CHARTING THE COURSE:

THE COMPREHENSIVE

CONSERVATION

AND MANAGEMENT PLAN

FOR TAMPA BAY

2017 UPDATE









DREDGING
AND DREDGE
MATERIAL
MANAGEMENT

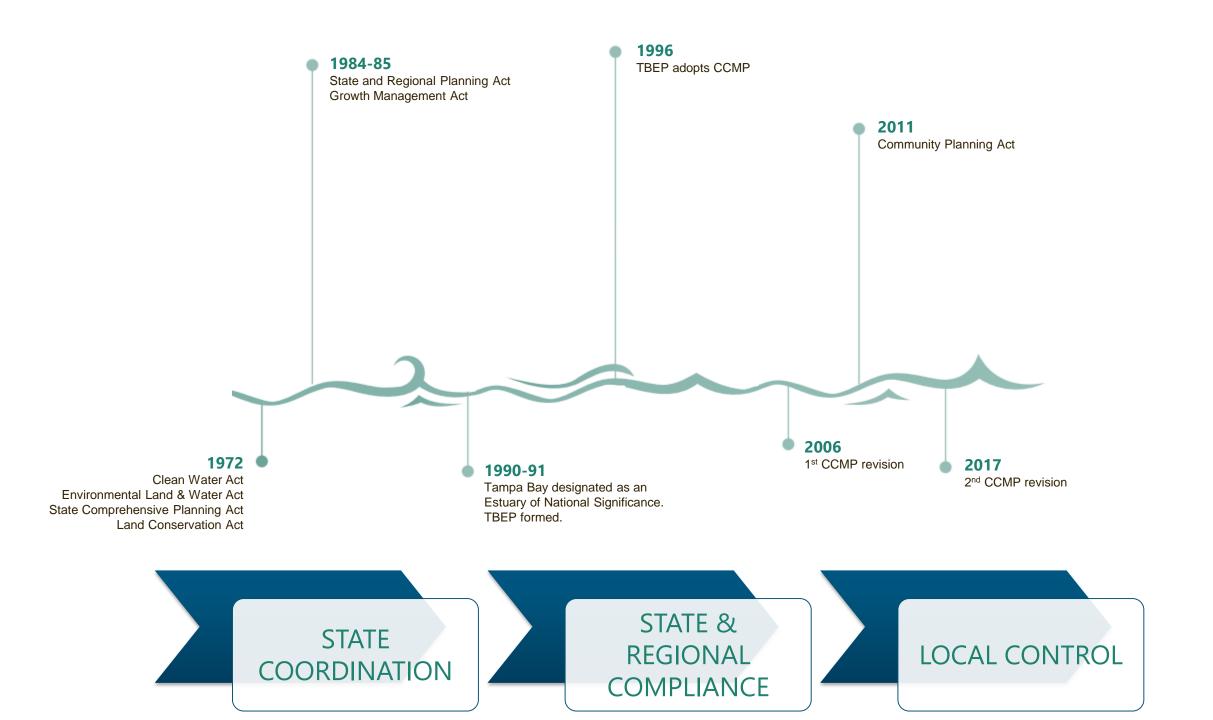












WATER AND SEDIMENT QUALITY

BAY Habitats

FISH AND WILDLIFE DREDGING AND DREDGE MATERIAL MANAGEMENT

SPILL PREVENTION AND RESPONSE



BROADER IMPLICATIONS OF 2011 COMMUNITY PLANNING

ACT

- COMPATIBLE APPROACHES BETWEEN LOCAL PARTNERS
- CAPACITY BUILDING FOR LOCAL PLANNING STAFF
- NEW WORKFLOWS FOR TECHNICAL ASSISTANCE

INVOLVEMENT











LOCAL EXAMPLE



STORMWATER RUNOFF Expand use of Green Infrastructure practices



OBJECTIVES:

Promote expanded use of Green Infrastructure practices to prevent and reduce nitrogen pollution. Promote development and deliver of tools and incentives to expand low impact/green infrastructure implementation, including: professiona training: compatibility reviews of local government development codes and comprehensive plans; and demonstration sites. Encourage Tampa Bay Estuary Program (TBEP) partners to submit local projects that implement innovative building or site design techniques to the Action Plan Database of the Tampa Bay Nitrogen Management Consortium. Encourage adoption and implementation of regional policies facilitating low impact/ green infrastructure developmen

STATUS.

Revised from previous SW-10 Design and Implement a Low Impact Development Strategy.

ELATED ACTIONS:

WW-1 Expand the beneficial use of reclaimed water

BH-6 Encourage habitat enhancement along altered waterfront properties

BACKGROUND

Historically, stormwater management in Florida focused on rapidly removing rainwater from the built environment to avoid flooding. High volumes of polluted runoff were routed to the nearest receiving water body through

https://adobeindd.com/view/publications/cf7b3c48-d2b2-4713-921c-c2a0d4466632/2gv9/publication-27.html

Activity 3

Encourage unified adoption and implementation of regional policies to expand use of Green Infrastructure techniques.



WASTEWATER

Expand the beneficial use of reclaimed water



OBJECTIVES:

Encourage and expand beneficial water reuse to reduce nutrient loadings from wastewater discharges and enhance ecosystem benefits. Track the regional strategy and practices for Aquifer Storage and Recovery (ASR) and direct recharge projects to strengthen understanding of their cumulative effect on ground and surface water quantity and quality. Strengthen understanding of the contribution of nutrients and other constituents from beneficial uses of reclaimed water to Tampa Bav.

STATUS:

Ongoing. Nitrogen load estimates to Tampa Bay from all sources, including reclaimed water, were developed in 1994 and updated in 2001 and 2005. The Tampa Bay Nitrogen Management Consortium developed a Nutrient Management Strategy, with regular updates and assessments in 2007. 2009 and 2012 on the nitrogen loading reductions from reclaimed water projects. Estimates of nitrogen loading from irrigation were developed in 2008, leading to recommendations for reduced fertilizer application with reclaimed water irrigation incorporated into the Model Fertilizer Ordinance developed by TBEP. The potential presence, fate and transport of emerging contaminants of concern and microplastics in reclaimed water, wastewater, and other sanitary sewer systems warrants further investigation (see Action COC-4).

https://adobeindd.com/view/publications/cf7b3c48-d2b2-4713-921c-c2a0d4466632/2gv9/publication-34.html

Activity 4

Update or modify Comprehensive Land Use Plans or Land Development policies addressing reclaimed water, where appropriate, to ensure protection of nutrient-sensitive watersheds and wellfield recharge areas, and prioritize use of reclaimed water to benefit the Tampa Bay watershed. Track and ensure compliance with state legislation regarding development and distribution of reclaimed water systems.









ONE WATER

One Water

Protect and Preserve Water onservation Integrated
Water Resource
Management

Discourage Spraw and Encourage Redevelopment Sustainable nfrastructure and Programs Low Impact Development

NOVEL APPROACH FOR RESOURCE MANAGEMENT

Water as Holistic, Interrelated, and Valuable Match Right Resource to Right Use

Concept Identified in CCMP Update

INTERDEPARTMENTAL COLLABORATION

Water Resources

Environmental Management

Development Services

Engineering and Operations

REGIONAL COORDINATION

Southwest Florida Water Management District

Tampa Bay Water

Tampa Bay Estuary Program

Other outside expertise

Context and About Us

The Planning Commission is an independent, consolidated planning agency that serves as the long-range planning agency for all four local governments in Hillsborough County. The agency is responsible for the Comprehensive Plans and other studies. Along with the Hillsborough MPO and Hillsborough River Interlocal Planning Board, it is part of Plan Hillsborough.



Hillsborough County's Environmental Management Division was created to assist the County's utility services with regulatory issues. Regulatory issues include potable water, wastewater, solid waste and stormwater permitting and compliance. The Division also houses the environmental laboratory, which is a full service testing laboratory for water quality testing. The Division is also responsible for the County's resilience planning.



Background – Current Adopted Plan

- In 2020 working with 2008 Comprehensive Plan language (or earlier!)
- Stormwater Management, Sanitary Sewerage and Potable Water Elements are separate and siloed
- Other water resources language and maps found throughout various other Elements
- 200+ Goals, Objectives and Policies related to water – limited linkages to current aspects of technical implementation and today's County priorities



Future of Hillsborough

Comprehensive Plan for Unincorporated Hillsborough County Florida

SANITARY SEWERAGE

As Amended by the Hillsborough County Board of County Commissioners June 5, 2008 (Ordinance 08-13)

Department of Community Affairs Notice of Intent to Find Comprehensive Plan Amendments in Compliance published August 4, 2008 (DCA PA No. 08-1ER-NOI-2901- (A)-(I) }

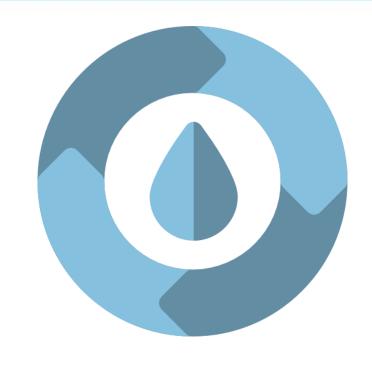
August 26, 2008 Effective Date





Background – County Technical Context

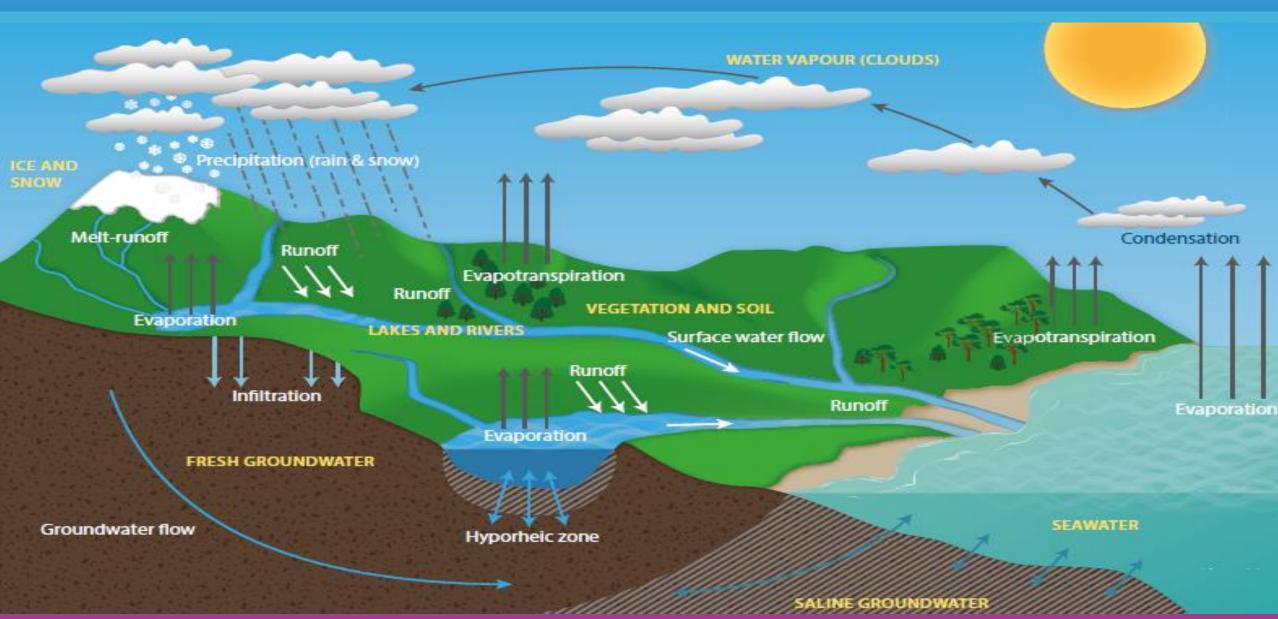
- Staff attempted to develop projects breaking down silos
- Senior Staff had a difficult time with internal processes including budgeting and project development
- Board developed a stronger interest in sustainability and resilience, which includes Integrated Water Resource Management concepts







All Water is Related



Project Goals

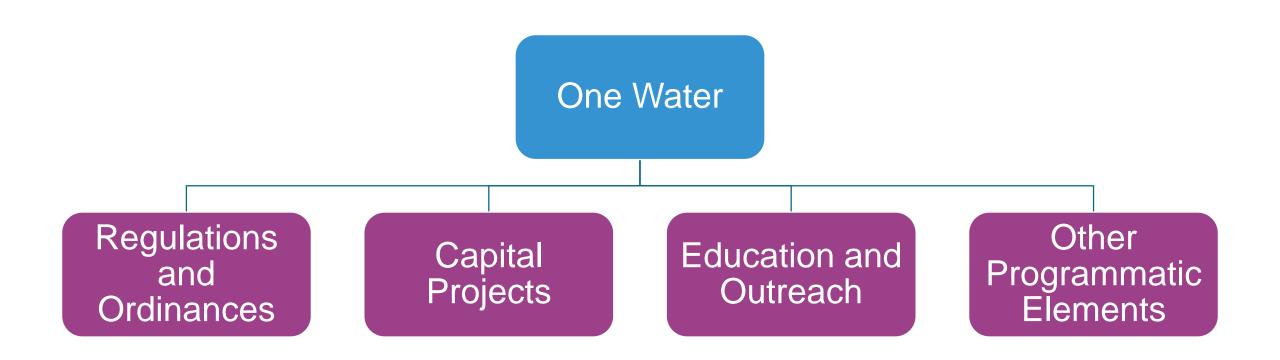
- Potential to be one of the first "One Water" Comprehensive Plan approaches in the country. Goals of the project:
 - Reflect the interrelated nature of water
 - Incorporate BOCC direction from a series of sustainable land use and planning workshops
 - Provide a framework for new County initiatives
 - Utilize best practices in planning and water resources management
 - Coordinate water with other aspects of planning within the County
 - Eliminate duplication, redundancy and inconsistencies
 - Be an implementable document not a "shelf plan"







Implementation







Collaborative Approach

- One Water Working Group
 - Planning Commission, Water Resources Department, Environmental Management Division,
 Development Services Department and Engineering & Operations Department staff
 - Bi-weekly meetings with multi-disciplinary staff
 - Review and vet existing 200+ policies, examine best practices and draft One Water Chapter
- Senior Leadership Check-Ins
 - Evaluate drafts provide direction and guidance
- External Agency Coordination
 - Review drafts of language ahead of public release
- Public and Stakeholder Outreach current phase





Considerations for Language Development

- What to keep from the current adopted plan?
- What are best practices, new initiatives or priorities of the community/BOCC direction that are not reflected?
- How can the Comprehensive Plan best serve as backing or framework for County initiatives? When does a programmatic objective rise to the level of needing to be in the Comprehensive Plan?
- How to arrive at the right "level" of language? Broad policy direction vs specifics
- How ensure expectations are set appropriately given financial limitations and competing interests?





Collaboration Benefits, Lessons Learned and Recommendations for Others

- Open Discussion and Conversation
 - Technical Expert Perspective
 - Planner Perspective





One Water Chapter

- Initial portion of the overall Hillsborough County Comprehensive Plan update
- The Chapter updates and combines the Stormwater Management, Sanitary Sewerage and Potable Water Elements, as well as water-resources related language and maps from other Elements
- Modernized, streamlined language tailored to current context and County priorities
- Vetted and implementable by County staff







One Water Goals

11 Protect and preserve water resources

02 Water conservation

05

06

103 Integrated water resource management

Discourage sprawl and encourage redevelopment

Sustainable infrastructure and programs

Low impact development





One Water and Planning - Resources

- http://www.planhillsborough.org/one-water/
- APA Water and Planning Network
- PAS Report Planners and Water
- Blueprint for One Water Environmental Research Foundation
- One Water Roadmap US Water Alliance
- APA Knowledgebase Integrated Water Resources Planning
- Comprehensive Plan Guidance for Water Resources Planning APA White Paper
- One Water Integrated Water Resources Planning County Planning Directors Association of Pennsylvania – One Water Task Force
- Integrating Water Into the Comprehensive Plan Colorado Pace Land Use Law Center
- One Water LA
- One Water San Francisco





CCMP and Model Language Development

 Opportunity to implement similar approaches in other local government Comprehensive Plans

- Technical assistance, model language and examples
- Incorporate best practices and sound scientific information into Comprehensive Plans
- Ability to tailor to individual local government context







CCMP Project Overview

Goals of Project –

- 1. Create a crosswalk that relates Comprehensive Conservation and Management Plan (CCMP) goals and actions to appropriate elements of local government comprehensive plans
- 2. Develop model language for local governments to use in long range planning



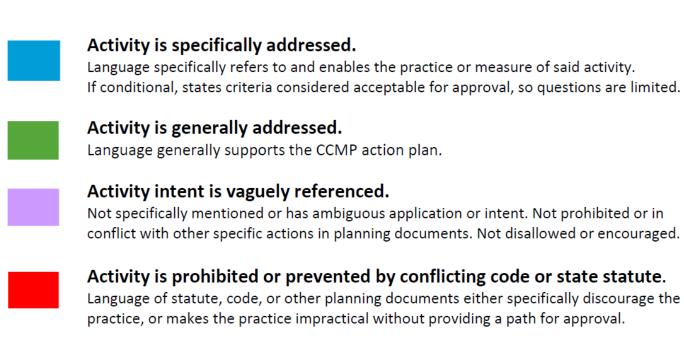
Phase 1 - Compare CCMP to Comprehensive Plans

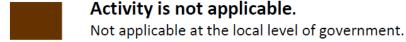




Pinellas County
Manatee County
Hillsborough County
Pasco County
City of Clearwater
City of Tampa
City of St. Petersburg

Review System: How CCMP Actions Are Addressed within the Comp Plans





Activity is not addressed.

Not addressed in the comprehensive plan.

X Determined not applicable at the local level by Steering Committee



Example of Crosswalk: CCMP WQ-1 in the Comp Plan

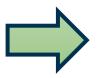


Water Quality

Implement the Tampa Bay nutrient management strategy

OBJECTIVES:

Continue to implement the nutrient management strategy for Tampa Bay to maintain water quality necessary to support seagrass at or above target levels. Document trends in water quality, and track nutrient reduction and prevention actions within the watershed. Develop and implement nutrient criteria recommendations and management strategies for the bay's tidal streams.



Pinellas County Comp Plan Review

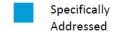
WQ-1 Implement the Tampa Bay nutrient management strategy



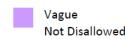
NRC 4.2.1: Pinellas County shall continue to cooperate with, and assist as appropriate, the Southwest Florida Water Management District in the development and implementation of Surface Water Improvement and Management Plans for water bodies in Pinellas County.

NRC 7.2.7: Redevelopment activities within the unincorporated County will contribute to the overall environmental improvement of the local and regional watershed.

SUR 1.5.1: Pinellas County shall continue to systematically prepare watershed or waterbody management plans for approval and implementation by the Board of County Commissioners. Such plans shall address water quality, stormwater management, habitat requirements, and biological targets, as well as recommended funding sources.













Example of Crosswalk: CCMP BH-6 in the Comp Plan



Bay Habitats

Encourage habitat enhancement along altered waterfront properties

OBJECTIVES:

Expand use of living shorelines instead of traditional seawalls along waterfront properties. Support demonstration projects; explore regulatory rule revisions to support living shorelines; assess the use of living shorelines to mitigate climate change; and support education of waterfront homeowners about the benefits of living shorelines.



St. Petersburg Comp Plan Review

BH-6 Encourage habitat enhancement along altered, waterfront properties



- C3.3: Restoration of seawalled, ditched or other severely altered shorelines and channels to natural conditions will be instituted wherever possible. Such improvements include natural slopes, indigenous plant communities and seagrasses.
- CM1.8: Opportunities for non-structural shoreline enhancement projects shall be identified in the repair of seawalls along low energy shorelines.
- CM1.9: The planning department shall have available for property owners information on maintenance of native vegetation and shoreline features including:

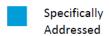


Crosswalk Matrix

This matrix crosswalks the Tampa Bay Estuary Program's CCMP Goals and Actions with local government comprehensive plans.

St. Petersburg Hillsborough Clearwater Pinellas Tampa Pasco

						_
Water and Sediment Quality Goals						
WQ-1 Implement the Tampa Bay nutrient management strategy						
WQ-3 Reduce frequency and duration of harmful algal blooms						Х
SW-1 Reduce nitrogen runoff from urban landscapes						
SW-8 Expand adoption and implementation of best management plans for commercial and urban agriculture						
SW-10 Expand use of Green Infrastructure practices						
AD-1 Continue to reduce nitrogen loading from atmospheric deposition						
WW-1 Expand the beneficial use of reclaimed water						
WW-2 Extend central sewer service to priority areas now served by septic systems						
WW-3 Require standardized monitoring and reporting of wastewater discharges						
WW-5 Reduce the occurrence of sanitary sewer overflows to the bay						
COC-1 Address hot spots of contamination in the bay						Х
COC-4 Identify and understand emerging contaminants						Х
PH-2 Continue source and risk assessments of human and ecosystem health indicators suitable for Tampa Bay beaches and other recreational waters						Х
PH-4 Reduce fecal contamination from humans and pets in Tampa Bay Area waters						











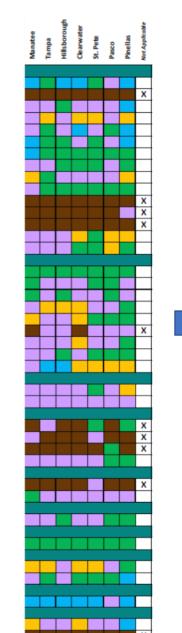


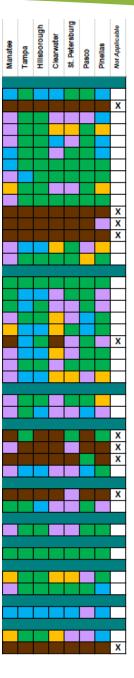




Crosswalk Matrix

This matrix crosswalks the Tampa Bay Estuary Program's CCMP Goals and Actions with local government comprehensive plans. Water and Sediment Quality Goals WQ-1 | Implement the Tampa Bay nutrient management strategy WQ-3 | Reduce frequency and duration of harmful algal blooms SW-1 | Reduce nitrogen runoff from urban landscapes SW-8 | Expand adoption and implementation of best management plans for commercial and urban agriculture SW-10 | Expand use of Green Infrastructure practices AD-1 | Continue to reduce nitrogen loading from atmospheric deposition WW-1 | Expand the beneficial use of reclaimed water WW-2 | Extend central sewer service to priority areas now served by septic systems WW-3 | Require standardized monitoring and reporting of wastewater discharges WW-5 | Reduce the occurrence of sanitary sewer overflows to the bay COC-1 | Address hot spots of contamination in the bay COC-4 | Identify and understand emerging contaminants PH-2 | Continue source and risk assessments of human and ecosystem health indicators suitable for Tampa Bay heaches and other recreational waters PH-4 | Reduce fecal contamination from humans and nets in Tampa Bay Area waters PH-5 | Reduce pollution from recreational boaters BH-1 | Implement the Tampa Bay Habitat Master Plan BH-2 | Establish and implement mitigation criteria for Tampa Bay, and identify priority sites for mitigation BH-3 | Reduce propeller scarring of seagrass and pursue seagrass transplanting opportunities at select sites BH-4 | Identify and protect hard bottom communities and avoid impacts BH-6 | Encourage habitat enhancement along altered, waterfront properties BH-8 | Expand habitat mapping and monitoring programs BH-9 | Enhance ecosystem values of tidal tributaries BH-10 Limplement the Tampa Bay Freshwater Wetland Habitat Master Plan FI-1 | Maintain Seasonal Freshwater Flows in Rivers **Dredging and Dredged Material Management** DR-1 | Develop a plan for beneficial uses of dredged material in Tampa Bay DR-2 | Continue to minimize impacts to wildlife and their habitats from dredging activities FW-1 | Increase on-water enforcement of environmental regulations on the bay FW-3 | Support bay scallop restoration FW-5 | Continue and expand the Critical Fisheries Monitoring Program FW-6 | Preserve the diversity and abundance of bay wildlife Spill Prevention and Response SP-1 | Continue implementation of advanced technology to improve coordination of ship movements in Tampa Bay SP-2 | Evaluate and update spill response plans for priority areas IS-2 | Support prevention, eradication or management of invasive species in Tampa Bay and its watershed PA-1 | Provide for and manage recreational uses of the bay Public Education





Update to CCMP Goal Crosswalk with local Comp Plans

- TBRPC staff received stakeholder comments on the crosswalk matrix and comprehensive plan scoring.
- The revised crosswalk incorporates all comments received by TBRPC staff.



PE-1 | Promote public involvement in bay restoration and protection
PE-2 | Promote public education about key issues affecting Tampa Bay

CC-1 | Improve ability of bay habitats to adapt to a changing climate
CC-2 | Understand and address the effects of ocean acidification

LI-1 | Incorporate CCMP goals and actions in local government comprehensive plans, land development regulations or ordinances

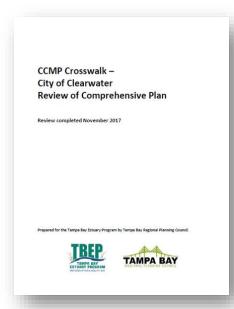
Phase 1 Process

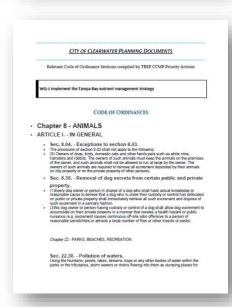
1) Crosswalk



2) Review of Planning Documents:

- Color-categorization and identification of all policies related to CCMP Actions within *Comprehensive Plans*
- Identification of all policies related to CCMP Actions within Code of Ordinances & Land Dev. Regulations





Phase 2 – Model Comp Plan Language

Model language was developed for 8 CCMP Priority Action Plans:

Water and Sediment Quality Goals

WQ-1 | Implement the Tampa Bay nutrient management strategy

SW-1 | Reduce nitrogen runoff from urban landscapes

SW-10 | Expand use of Green Infrastructure practices

Bay Habitats

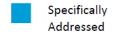
BH-1 | Implement the Tampa Bay Habitat Master Plan

BH-6 | Encourage habitat enhancement along altered, waterfront properties

BH-10 | Implement the Tampa Bay Freshwater Wetland Habitat Master Plan

Climate Change

CC-1 | Improve ability of bay habitats to adapt to a changing climate















Highest CCMP Priority Actions



Stormwater 10

Expand use of Green Infrastructure Practices

Objectives: Promote expanded use of Green Infrastructure practices to prevent and reduce nitrogen pollution. Promote development and delivery of tools and incentives to expand low impact/green infrastructure implementation, including professional training; compatibility reviews of local government development codes and comprehensive plans; and demonstration sites. Encourage Tampa Bay Estuary Program (TBEP) partners to submit local projects that implement innovative building or site design techniques to the Action Plan Database of the Tampa Bay Nitrogen Management Consortium. Encourage adoption and implementation of regional policies facilitating low impact/ green infrastructure development.



Bay Habitats 6

Encourage habitat enhancement along altered waterfront properties

Objectives: Expand use of living shorelines instead of traditional seawalls along waterfront properties. Support demonstration projects; explore regulatory rule revisions to support living shorelines; assess the use of living shorelines to mitigate climate change; and support education of waterfront homeowners about the benefits of living shorelines.

p. 81 of the CCMP



Climate Change 1

Improve ability of bay habitats to adapt to a changing climate

Objectives: Identify coastal habitats vulnerable to climate change and potential buffer areas upslope of coastal habitats. Identify methods to improve the resiliency of vulnerable bay habitats to sea level rise. Continue to investigate the carbon sequestration benefits of coastal habitats ("blue carbon"). Enhance community understanding of the potential impacts of changing climate on coastal habitats and encourage actions to help mitigate effects.

p. 141 of the CCMP



Comprehensive Plan Review and Model Language Development

- 1. Review of Comprehensive Plans in Florida and nationwide for 8 Priority Action Plans
- 2. Stakeholders selected 3 Priority Actions (CC-1, SW-10, and BH-6)
- 3. Comprehensive Plans are moving in a direction to include broader more general language to allow more flexibility to implement policies in other regulatory mechanisms.

Collect relevant policy language



Stakeholders
Further Narrow
Priorities



Refine Model Language



CC-1 Model Language Example

Goal 1: (Insert local government) shall support regional efforts to integrate climate change, stormwater management and bay habitats into planning efforts in alignment with the applicable goals of the Tampa Bay Estuary Program's Comprehensive Conservation and Management Plan (CCMP)

Climate Change 1 (CC-1)									
Objective 1: Support adaptation strategies that promote the long-term resiliency and diversity of critical coastal habitats for a changing climate.									
	Broad or General	Stringent or Specific							
1.1.1	(Insert local government) shall support the integration of resilience	1.1.7	Create/amend a zoning ordinance to address possible sea level changes						
	measures into local plans and continue to develop and advance		and develop appropriate use regulations and development standards.						
	policies and programs which conserve natural resources, mitigate	1.1.8	Revise land acquisition and preservation policies to consider the values						
	greenhouse gas pollution, and advance sustainability and climate		of natural areas for sequestering carbon and providing climate						
	resiliency.		adaptation and mitigation benefits such as the resource's strategic						
1.1.2	Assess the vulnerability of specific species, habitats, landscapes,		capacity to absorb floodwaters and address coastal ecosystem						
	and ecosystem functions that may be sensitive to climate change		migration.						
	and develop coping strategies and contingency plans for their	1.1.9	Evaluate the minimum shoreline and wetland setbacks currently in use						
	adaptation, such as identifying habitats that may be viable during		and identify the potential for updates to protect vulnerable structures						
	climate disturbances and could potentially serve to give refuge to		from the effects of long-term sea level rise.						
l	and sustain at-risk species.	1.1.10							
1.1.3	Continue to support local environmental restoration, mitigation,		of living shorelines and wetland mitigation that allow for the landward						
	and adaptive management initiatives, and coordinate with other	1 1 11	migration of wetlands, for resilience to sea level rise.						
	state, regional, and national strategic planning efforts to improve	1.1.11	Establish riparian buffers that reflect projected rates of sea level rise for						
	the resiliency of natural lands and systems to climate		all tidally-influenced waterbodies to allow the conversion of adjacent						
	change. Support local and regional mapping, modeling, monitoring	1 1 1 2	uplands to wetlands while retaining transitional ecotones. Develop priority areas of land protection efforts based on their strategic						
	programs to assure the most current and <u>locally-specific</u> data on climate change vulnerability is available.	1.1.12	capacity to support coastal ecosystem migration.						
1.1.4	Seek the support of agencies, such as the National Oceanic and	1.1.13							
	Atmospheric Administration (NOAA), U.S. Geological Survey		planning, land acquisition, and for deed of conservation easement						
	(USGS), Federal Emergency Management Agency (FEMA), U.S.		consideration.						
		1.1.14	Evaluate the use of rolling easement zoning to designate areas of future						
	for-profit organizations to coordinate support for updating,		abandonment, future waterway locations, and future lands for						



SW-10 | Expand use of Green Infrastructure practices

Provide GI educational materials to the public Local Govt. investment in GI for public projects Incentives (density bonuses, expedited review) to developers willing to incorporate GI practices Land Development Regulations require GI for new development High Priority / Substantial Resources

Broad or General Language example:

The jurisdiction will <u>encourage</u> the use of "Low Impact Development" techniques for stormwater management, <u>such as</u> minimal land disturbance, the preservation of native vegetation, and the minimization of impervious cover, through site plan and internal review processes.

Stringent or Specific Language example:

Require that impervious surface within the Watershed Overlay District be minimized through the use of **one or more** of the following strategies: (...)

By <u>December 2020</u>, for new County construction and in the redevelopment of County properties, the County <u>will</u> utilize low impact development principles, to the extent practicable, to address stormwater management needs and to model innovative techniques.



Phase 2 Outcomes

- 1. Initial Project Goals
 - Crosswalk local government comprehensive plans
 - Develop model language for local governments to use in long range planning
- 2. Complementing local needs
 - Jurisdictions need flexibility in model language to make it more implementable
 - Policy development will inform regulations
 - Regional consistency in shoreline hardening



Comprehensive Planning for Clean Water: Tools and Strategies

Q & A



Moderator

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Presenters

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Cara Woods Serra, AICP, CFM: cara@tbrpc.org