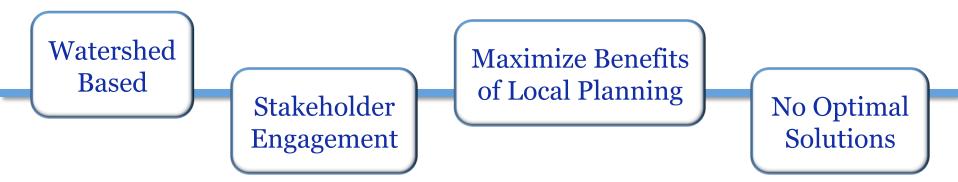
Outer Cape Sub Regional Group



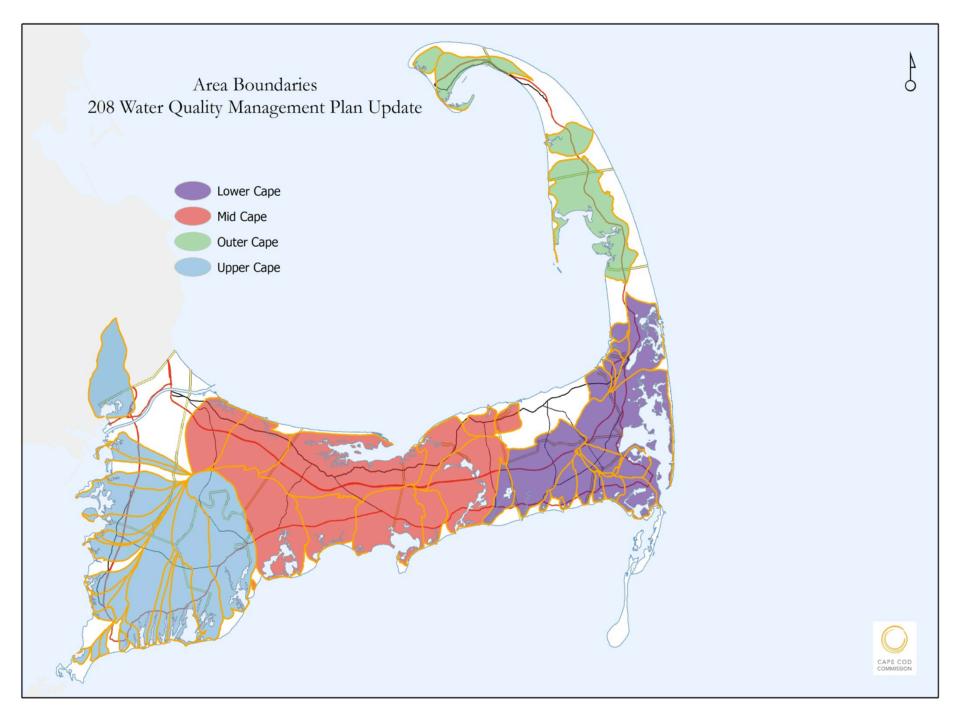
Meeting 1

Approach to the 208 Plan Update



Goal:

To generate a series of approaches in each watershed that will meet water quality standards



Public Meetings

Watershed Working Groups



July August September October December

Watershed Working Group Process

Standing Sub Regional Meeting Topics

Scenario Planning Regulatory, Legal, Institutional

Implementation

Mtg. 1	One representative watershed	Challenges & opportunities associated with permitting the watershed scenario	Adaptive management plans	
Mtg. 2	All shared watersheds & TBL model	Tools to support intermunicipal cooperation	Monitoring	
Mtg. 3	Subregional scenarios & TBL model	Structures for permitting	Financing & affordability	

Standing Sub Regional Meeting Topics

Scenario Planning Regulatory, Legal, Institutional

Implementation

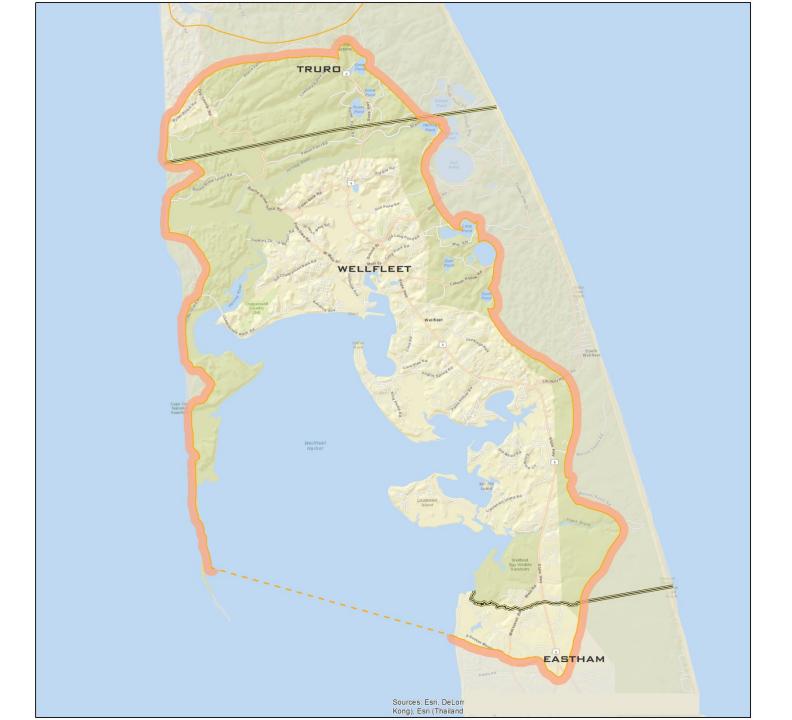
Meeting 1 Goals:

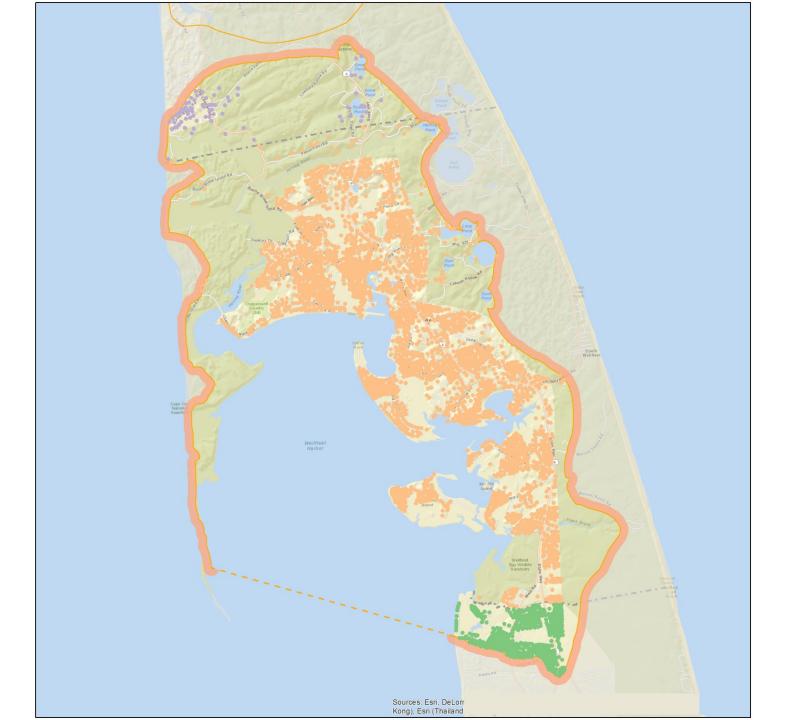
Identify regulatory, legal, and institutional challenges, constraints, and opportunities associated with the 208 Plan approach for water quality

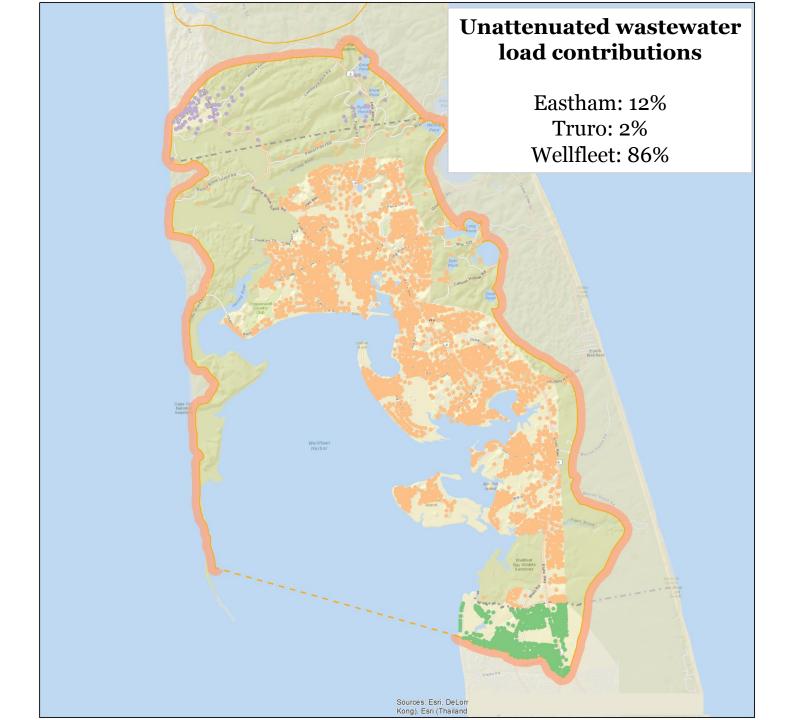
Clarify the definition and components of an adaptive management plan that can be permitted

Scenario Planning

Wellfleet Harbor







Graditional Approach

MEP Nitrogen Reduction **Targets**

Targeted Collection/ Maximum Collection Footprint

Targeted Collection with Fertilizer and Stormwater Reduction

> Minimized Collection **Footprint**

Non-Traditional Approach

Fertilizer Reduction

Stormwater Reduction

Implementation

Watershed Embayment **Options**

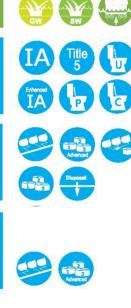
Alternative On-Site **Options**

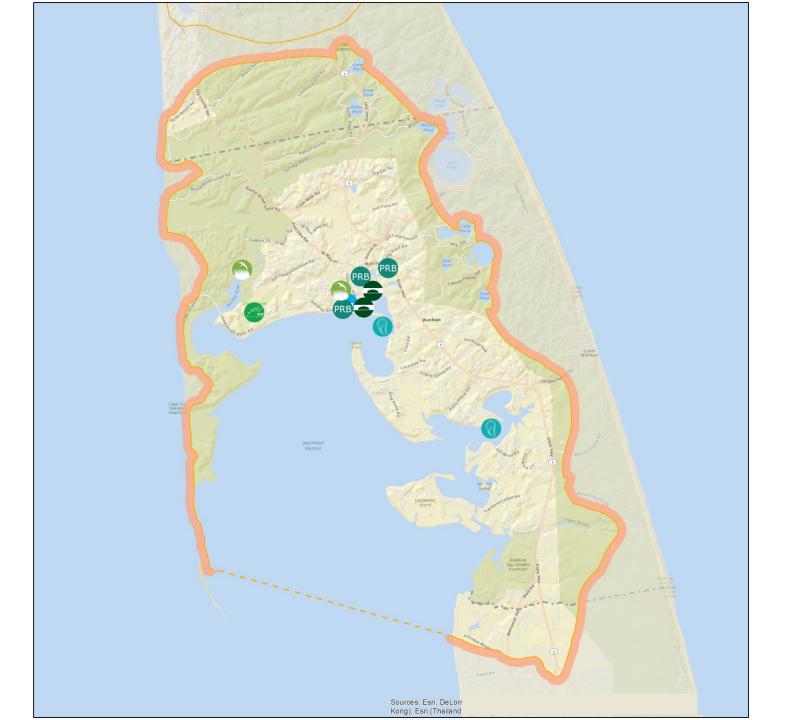
Minimum Collection **Footprint**

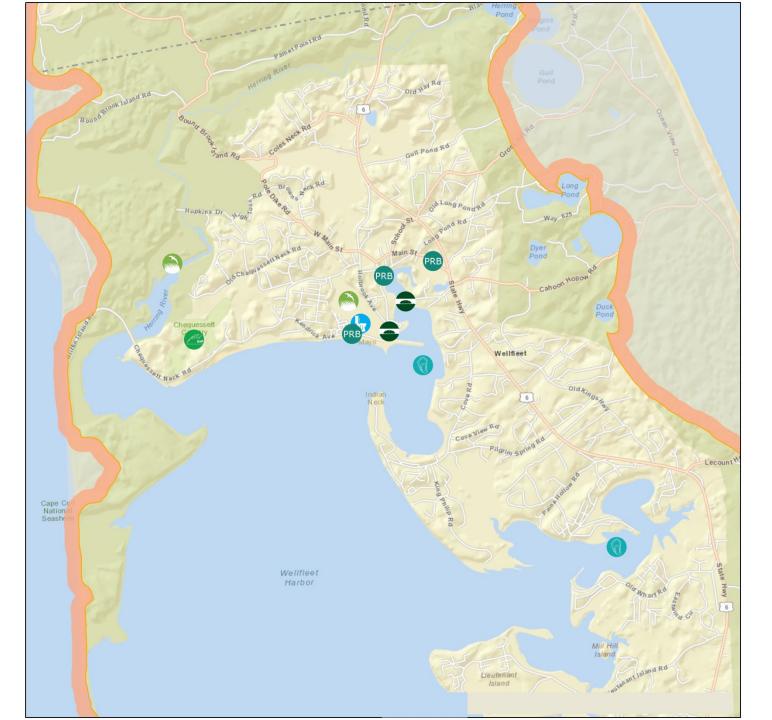












	ACOE		DEF		воп	Concomin	MEFA
	401/404	GWDP	WMA	I&A	Title 5	WPA	Thresholds
Technology/Approach							
Stormwater Mngmnt							
Fertilizer Mngmnt							
Oyster/Aquaculture							
Ecotoilets							
PRBs							
Constructed Wetlands							
Fertigation Wells							
Phytoremediation							
Habitat Restoration							
Inlet Widening							
Dredging							

DEP

ROH

ConComm

MEPA

Additional permits may apply. Other agencies involved could include:

ACOE

- MA Natural Heritage and Endangered Species Program
- MA Historical Commission
- US Fish & Wildlife Service/MA Division of Marine Fisheries
- MassDOT

Regulatory, Legal, and Institutional Interactions

What are some of the hurdles and opportunities associated with permitting the above scenarios?

Regulatory Purposes

MEPA CCC DEP Traditional technology permitting path

Fertilizer and stormwater reduction credit

Alternative technology permitting paths

Need for Permitting Flexibility

MEPA Certificate for Falmouth CWMP

"Adaptive management acknowledges the uncertainties in design and implementation of projects, carefully monitors outcomes, assesses progress in a transparent fashion and requires recalibration of plans and projects as necessary."

"The FEIR represents and evolution towards the development and implementation of a Targeted Watershed Management Plan for each of the Town's coastal watersheds and includes concrete commitments to projects...that will provide significant reductions in nitrogen loading."

The Secretary certified the plan "to support the towns adaptive management approach to developing long-term solutions and in acknowledgement of the town and its residents concrete support for projects that will reduce nitrogen in the short-term."

"MassDEP comments indicate that an approvable TWMP will satisfy SRF requirements necessary to secure 0% financing."

MEPA/CCC Special Review Procedure

Implementation

What components of an adaptive management plan are needed to achieve permit-ability and water quality goals?

Adaptive Management

Definition

A structured approach that monitors outcomes for meeting water quality goals, assesses progress over time, and requires recalibration of plans and projects, as necessary, based on review and evaluation of monitoring.

All materials and resources for the Outer Cape Sub Regional Group will be available on the Cape Cod Commission website:



http://watersheds.capecodcommission.org/index.php/watersheds/outer-cape