

Greenwich Bay Special Area Management Plan: Applying Technical Tools for Governance

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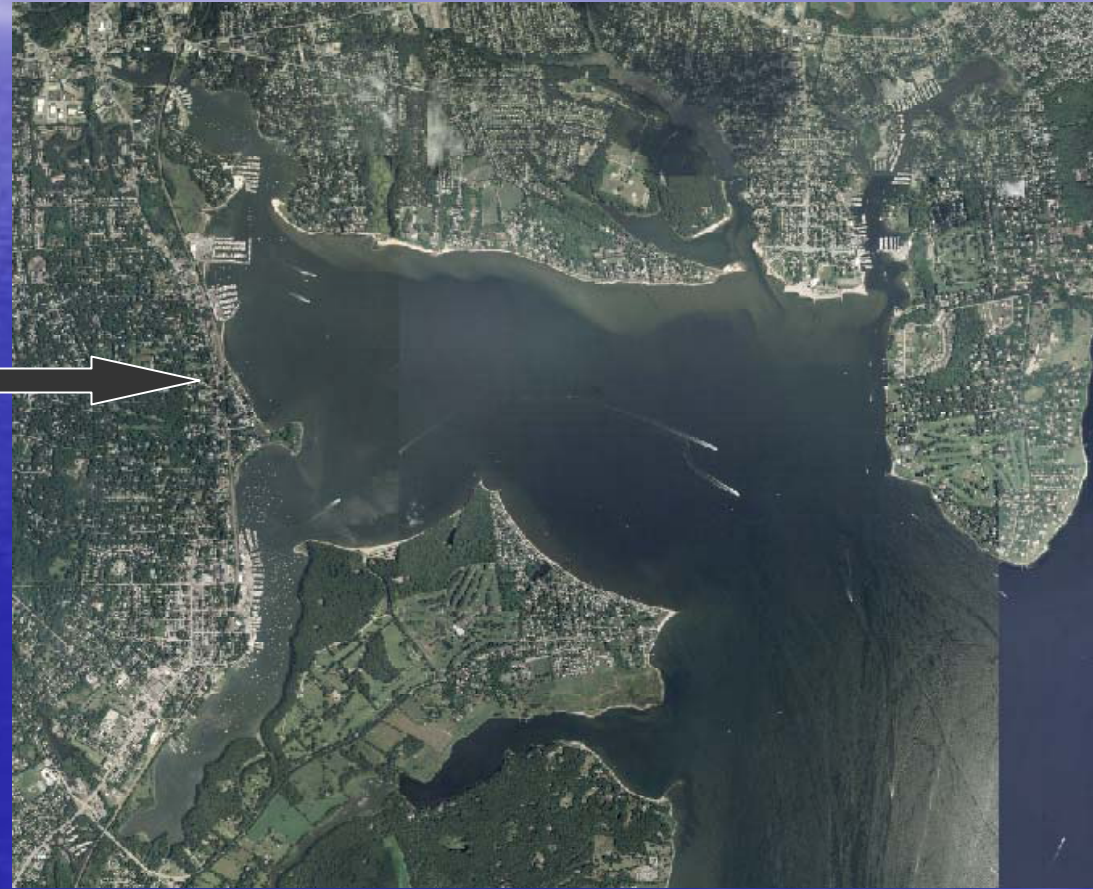
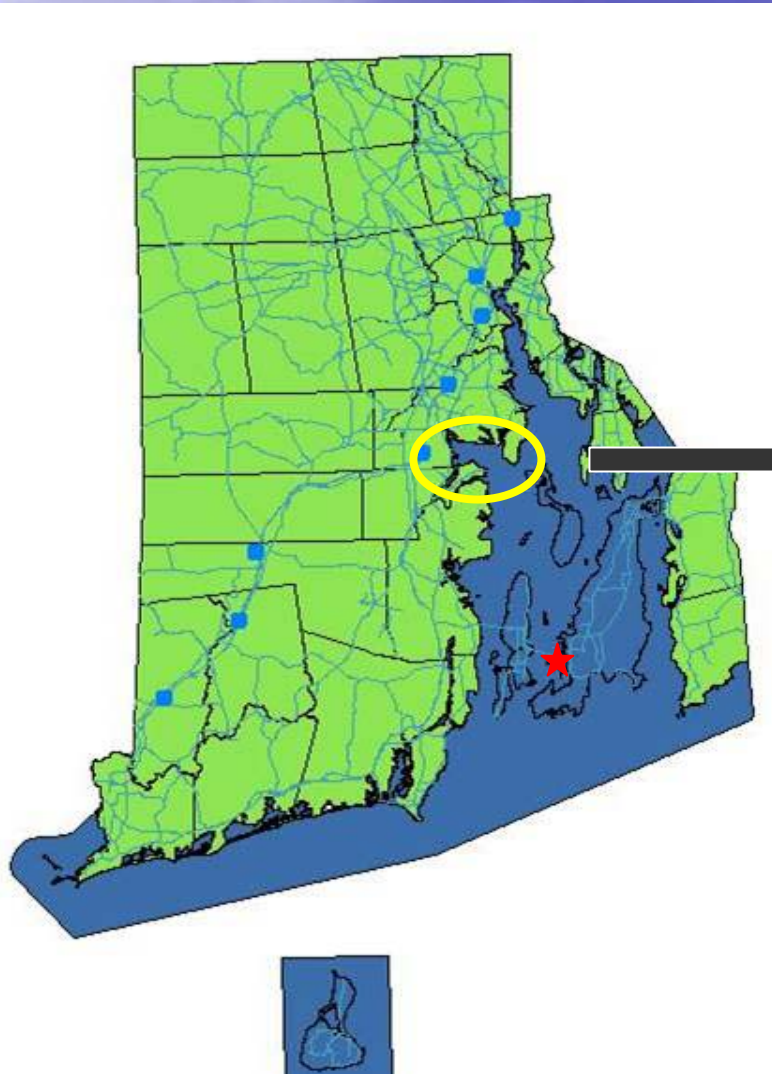
Acknowledgments

- NOAA
- RI Sea Grant
- RI CRMC
- RI Department of Environmental Mgt
- RI General Assembly
- Town of East Greenwich
- City of Warwick
- Photo credits: Janet Freedman, RIGIS, USDA,
and Narragansett Bay Journal,
www.nbep.org

overview

- Introduction to Greenwich Bay
- Why a SAMP is necessary for an urban watershed
- The SAMP Tools
 - ArcView GIS
 - Perceptions of Fairness Survey
- Applications to Governance
- Conclusion

Greenwich Bay Watershed



SAMP Process

- Information Synthesis 3/2002 – 9/2003
- Issue Analysis with TAC & CAC (*survey & GIS*) 9/03- 3/04
- 1st Drafts April-July 2004
- TAC and CAC review May-July 2004
- Final Draft & Adoption Aug/Oct 2004

Governance Structures for The State



- **The Greenwich Bay Fish Kill (August 2003): Causes, Impacts and Responses**
- **The Governor's Narragansett Bay and Watershed Planning Commission**
- **Habitat-based Management For Rhode Island's Marine Environment: A Report to the Senate**
- **Rhode Island House of Representatives Bay Trust Study Commission's Final Report**

Technical Advisory Committee (TAC)

- government agencies, municipal and county officials, universities, and public experts
- provided data and expertise within specific areas related to the SAMP
- The composition of the TAC was based on the SAMP topic
 - Habitat and Environmental Assets
 - Cultural and Historical Assets
 - Water Quality - Bacteria Section
 - Water Quality - Nutrient Section
 - Economic Assets
 - Recreational Use
 - Framework for Management
 - Natural Hazard Mitigation

Technical “Tools”

- http://seagrant.gso.uri.edu/G_Bay/Management/SAMP/
- Greenwich Bay listserve:
GREENWICHBAY@PETE.URI.EDU
- ArcView Geographic Information Systems
- RIGIS database

GREENWICH BAY WATERSHED RECREATIONAL USES

LEGEND

-  FEDERAL CHANNEL
-  OUTFALL
-  BOAT RAMPS
-  MOORING AREAS
-  MARINAS W/O INFO
-  MARINA

-  SHELLFISHING FROM THE SHORE
-  BLUE MUSSELS
-  GREENWICH BAY SHELLFISH
-  300 FT BEACH BUFFER
-  GREENWICH BAY BEACHES
-  HMP ROWS
-  CRMC ROWS
-  COASTAL ACCESS
-  BIKE PATH

- WETLANDS**
-  ESTUARINE EMERGENT WETLAND
-  ESTUARINE SCRUBSHRUB WETLAND
-  OPEN SPACE



US ARMY CORPS OF ENGINEERS, NEW ENGLAND DIVISION, COORDINATES FOR APPROXIMATE AND WARWICK COVES, AND GREENWICH COVE DATA ESTIMATED FROM VOLUME 3 OF 3, RIVERS AND HARBOR PROJECT MAPS, SEPTEMBER 1988.
 DATA DIGITIZED BY JANET FREEDMAN, RIC RMC, FEBRUARY 2004
 MAP PRODUCED BY MEGAN HESS INS, RIC RMC, MAY 2004



APPONAUG COVE RECREATIONAL USES

LEGEND

- FEDERAL CHANNEL
- CUTFALL
- BOAT RAMPS
- MOORING AREAS
- MARINAS W/O INFO
- MARINA
- SHELLFISHING FROM THE SHORE
- BLUE MUSSELS
- GREENWICH BAY SHELLFISH
- 300 FT BEACH BUFFER
- GREENWICH BAY BEACHES
- HMP ROWs
- CRMC ROWs
- COASTAL ACCESS
- BIKE PATH
- WETLANDS
 - ESTUARINE EMERGENT WETLAND
 - ESTUARINE SCRUB/SHRUB WETLAND
 - OPEN SPACE



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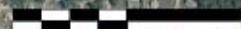
DATA PROVIDED BY JANEY TULLOCH, RICRMC February 2024

MAP PRODUCED BY MERRILL HENRY, RICRMC May 2024



USDA
NATIONAL SYSTEM OF PUBLIC LANDS
BUREAU OF LAND MANAGEMENT
GREENWICH, CONNECTICUT

1000 0 1000 Feet



Citizens Advisory Committee (CAC)

- **Objective:** Engage the public for local knowledge & Bay. and develop stewards for the SAMP
- **Members:** Neighborhood groups, Chambers of Commerce, Marinas, Shellfishermen, Historic Society, Harbor Commission, Recreational Fishing
- **Measuring Tool:** Quantitative Survey measuring perceptions of fairness and trust

Rationale for Fairness Survey

- Belief that a fair process will influence behavior, acceptance, compliance, and stewardship
- CRMC dedicated significant time and resources
- How and when are judgments of fairness & trust formed?
- What criteria form judgments of fairness?
- What part of the process needs to be adapted?
- Measure judgments before the outcome
- Establish a quantitative baseline of perceptions for long-term studies

Fairness Heuristic Theory

- Ceding authority to others increases risk
- Can the decision-makers be trusted?
- If you do not know, then base judgement on fairness
- Fairness judgment serves as a rule-of-thumb for interpreting future events and outcomes
- Fairness judgment formed at early stages

Methodology

- Criteria for Fairness (*4 pt Likert Scale*)
 - Receptivity
 - Neutrality, Honesty
 - Adequate Voice
 - Opportunity, Representation, Voice
 - Influence
 - Accountability
 - Feedback, Accuracy, Access
- Overall fairness judgment

Other Criteria for evaluating Quality of SAMP Process

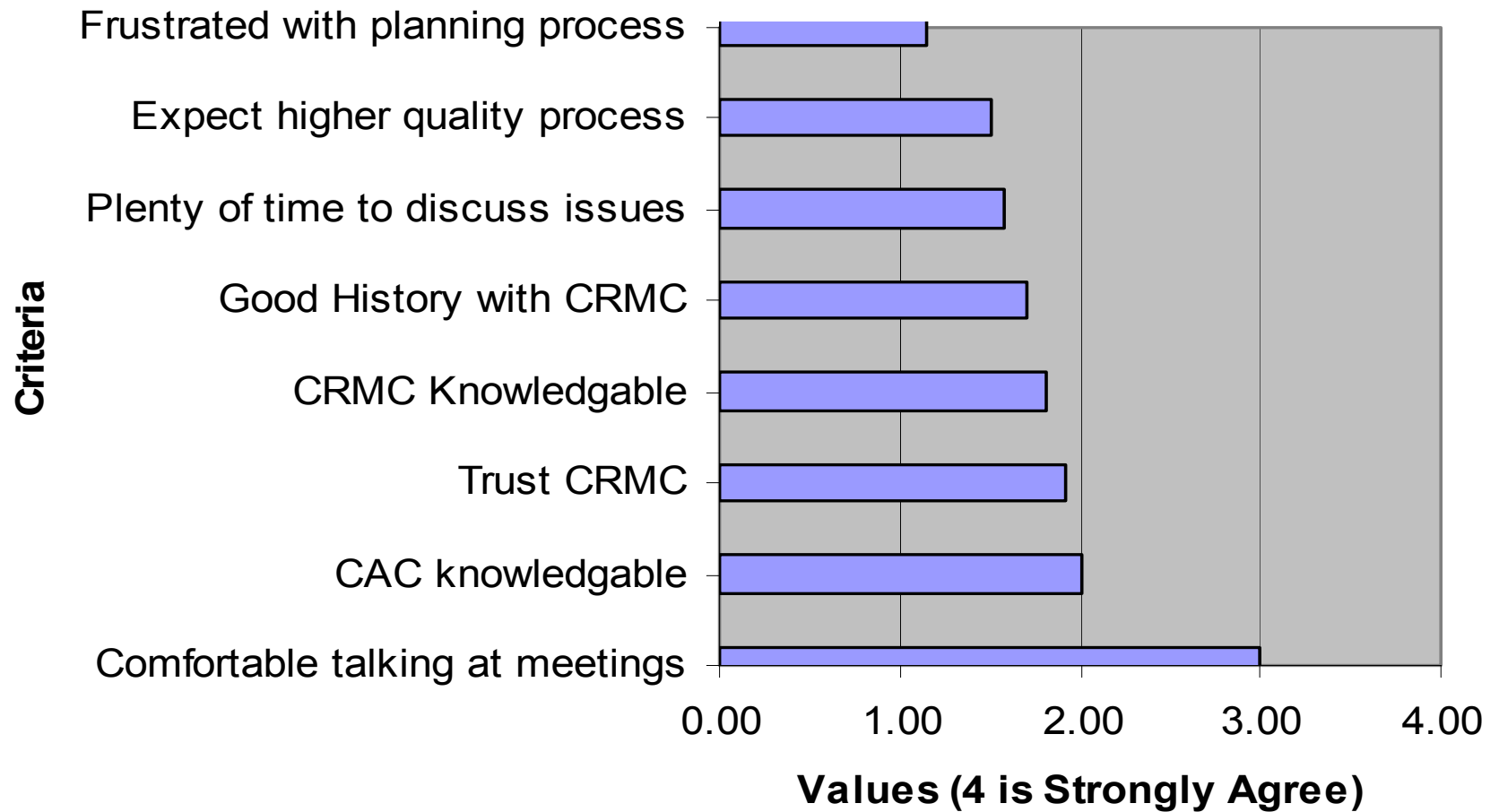
- Knowledge of Managers and CAC
 - Trust
 - Past Experiences with Managers (History)
 - Frustration with process
 - Expectations for public involvement
 - Time to create plan
-
- Stakeholder Group
 - Suggestions for improving process

Perceptions of Fairness



Overall, the CAC is sitting on the fence...

Quality of the Process



- Despite poor history, Trust is neutral
- Need more time to talk and not listen

Applications to Governance

- Provides managers with a quick evaluation of perceptions and judgments
- Adapt planning and participation process early
- Focused interventions on stakeholder groups and specific aspects of fairness
- Scorecard useful for communicating to politicians
- Quantitative results back up qualitative statements
- Track trends between planning, decision-making, and implementation

Conclusion

- Tools: appropriate, applied, and perceived
- Measure decision-making structure
- Maps improved the way decision-makers drafted policies and recommendations of SAMP
- Tools helped to fill in the gaps
- Tools provide new ground for consensus



http://seagrant.gso.uri.edu/G_Bay/Management/SAMP/index.html

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