

Using PSNERP Products & Analyses to Improve the SMP Update Process

Margaret Clancy, ESA Adolfson

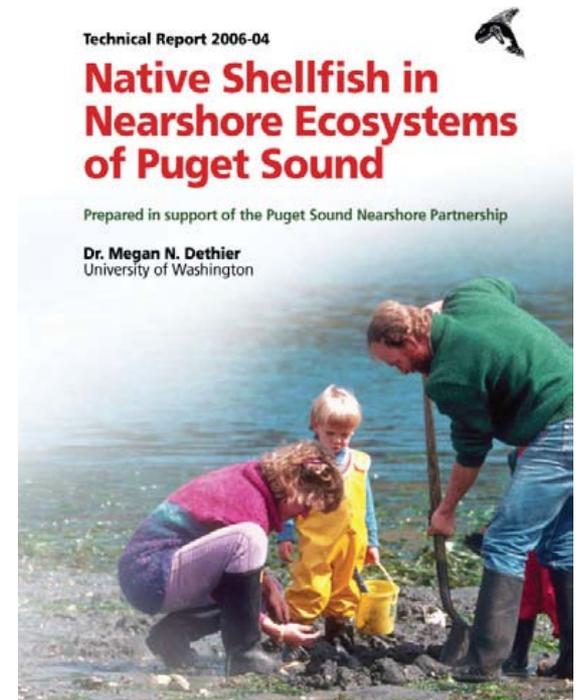


Background

- National Fish and Wildlife Foundation funded an effort to examine strategies for improving the SMP update process
- Consultant recommendations summarized in various papers
- Purpose is to spark interest in exploring how best to support the SMP update process

PSNERP's contribution to shoreline master planning

- Characterized the health of every drift cell and river delta in terms of nearshore processes
- Produced technical, peer-reviewed papers to inform restoration & protection efforts
- Evaluated restoration & protection opportunities for the purpose of identifying federal cost-shared projects

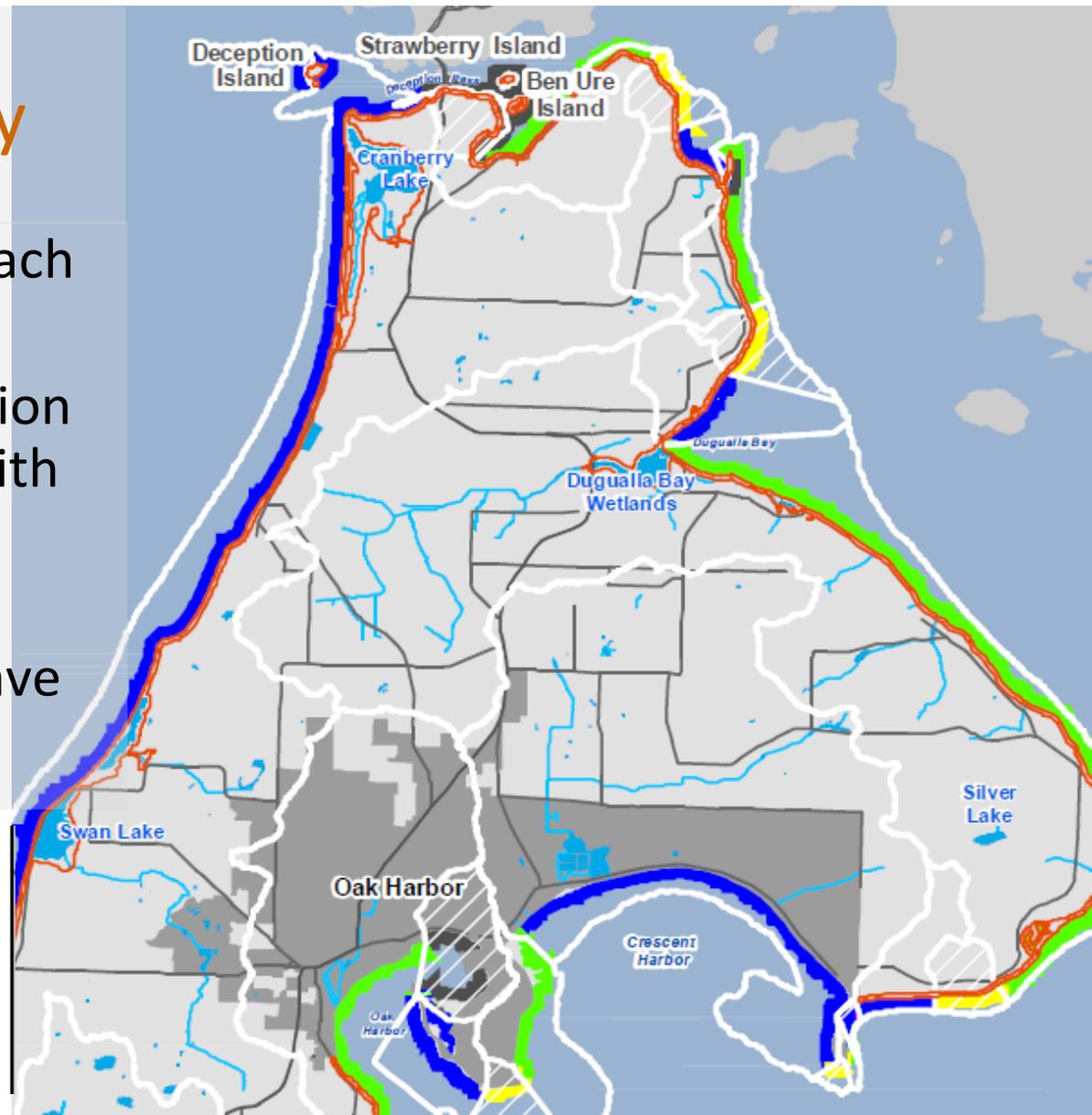
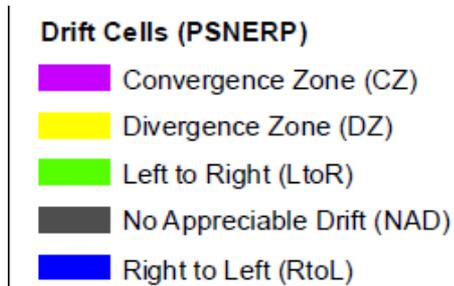


PSNERP Information Can Support:

- Marine Shore Inventory & Characterization
 - SMP Policies and Regulations
 - Restoration Planning
 - Cumulative Impact Analysis
 - Public Dialogue / Outreach
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- A photograph of a rocky beach with a steep, eroded dune in the background under a clear blue sky. The beach is composed of grey and white pebbles and sand. The dune is light brown and shows signs of erosion. The ocean is visible on the left side of the frame.

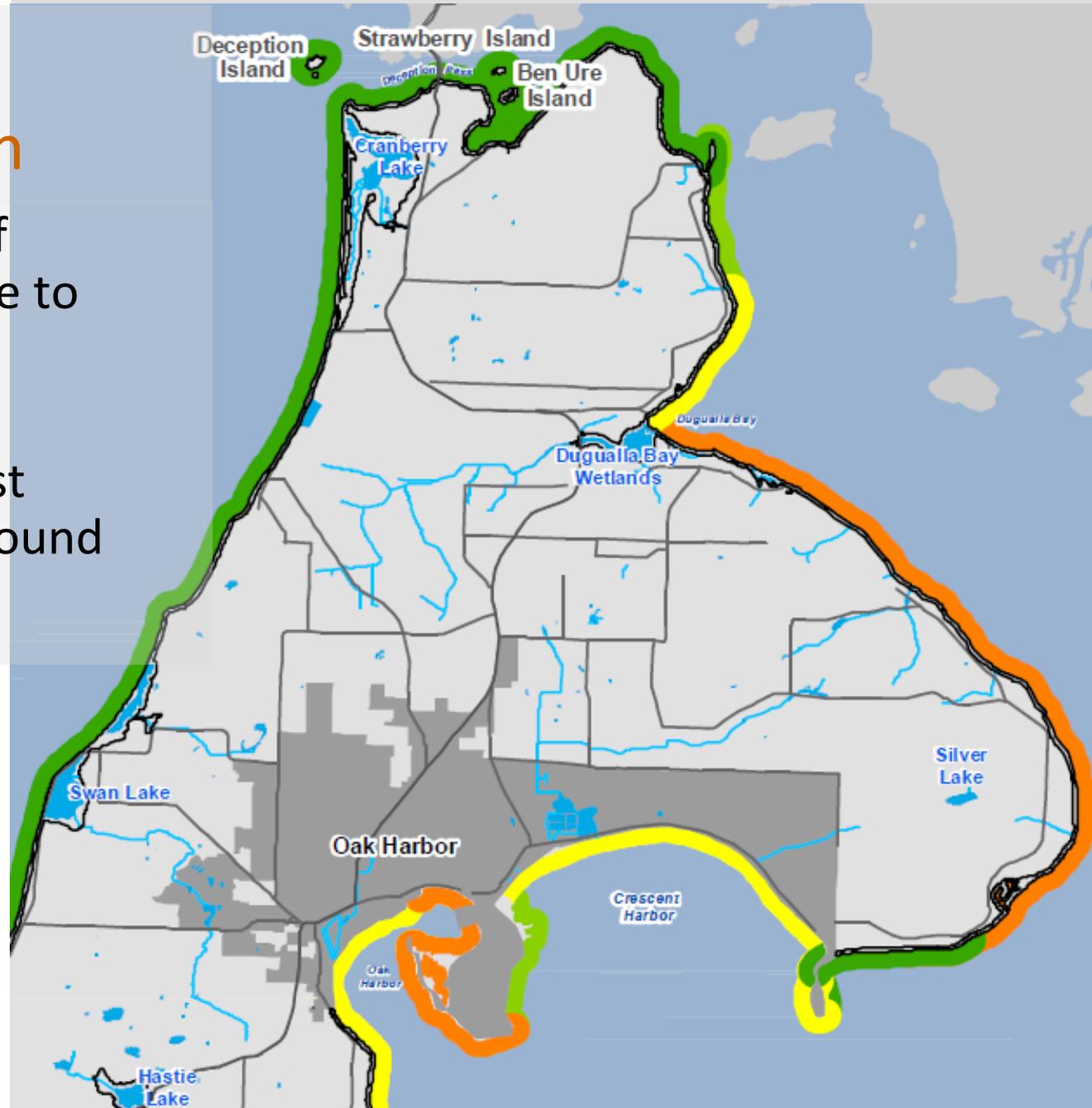
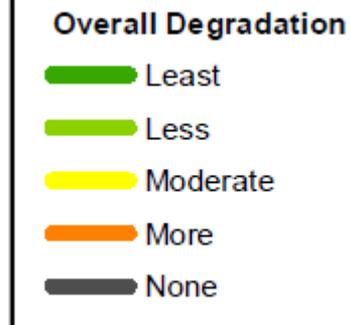
Shoreline Inventory

- Use drift cells as a basis reach delineation
- Use shoreline modification data and supplement with local data
- *Use change analysis* to show how shorelines have changed



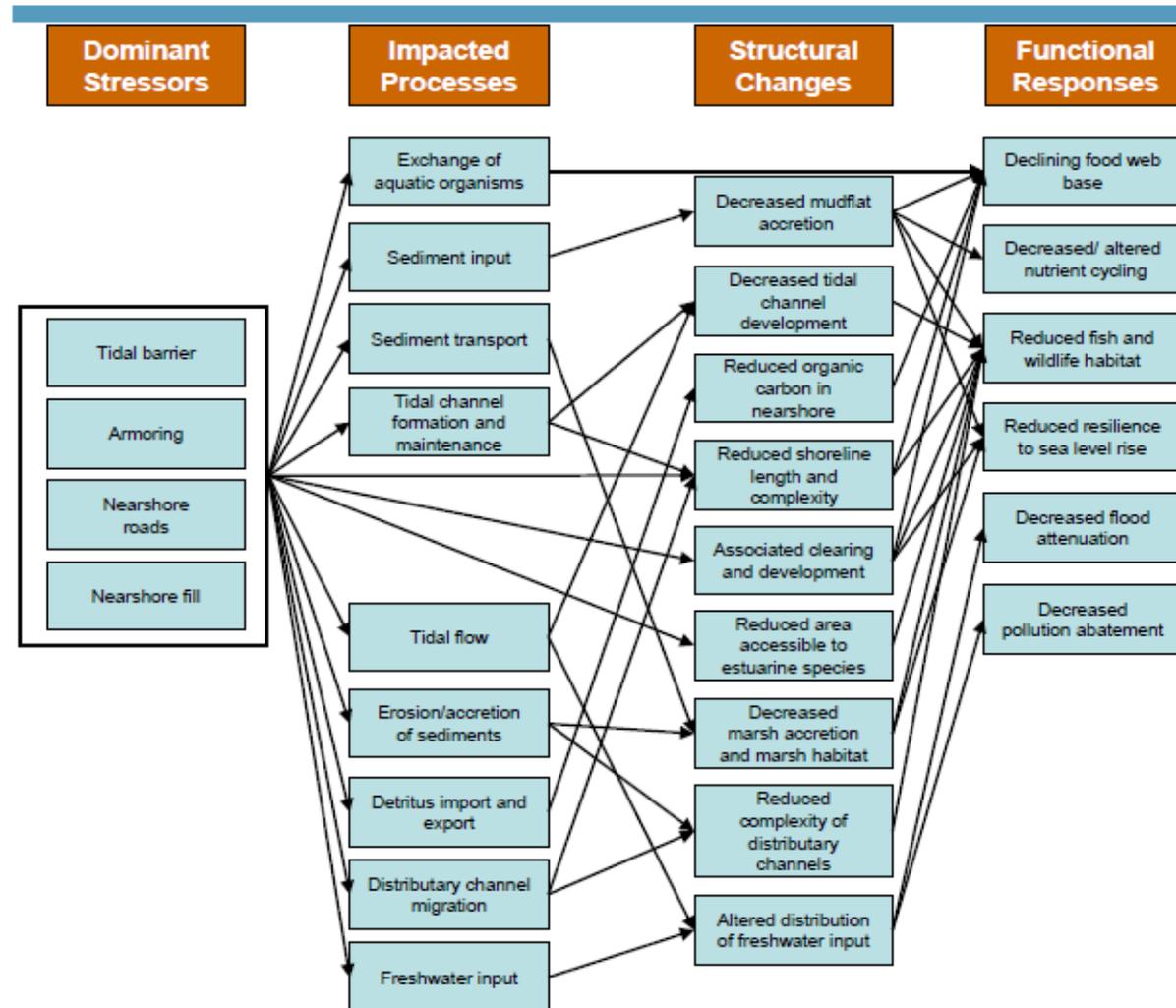
Shoreline Characterization

- Understand level of degradation relative to other areas
- Understand which shoretypes are most important from a Sound wide standpoint



Shoreline Characterization

- Conceptual models can help illustrate effects of human stressors on nearshore processes



PSNERP's priority strategies can inform goals and policies

Conserve

- Large deltas
- Intact sediment processes
- Intact embayments

Restore

- River connectivity
- Degraded sediment processes
- Embayments
- Landscape complexity

PSNERP and Policy Choices – in/overwater structures

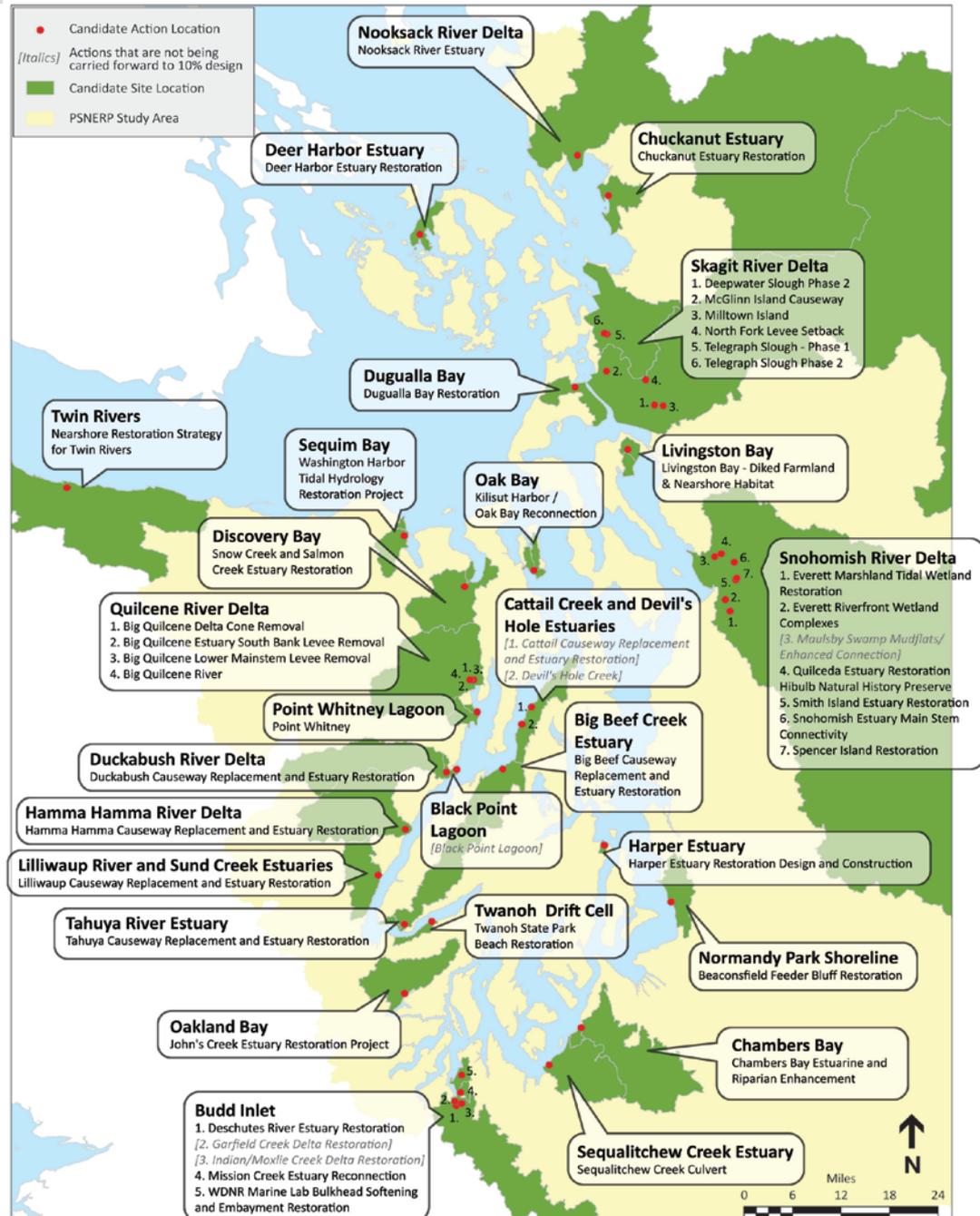
- How might structures affect sediment delivery and movement?
- Will structures affect shore segments that are most intact or most degraded?
- Which *valued ecosystem components* may be affected?



PSNERP and Restoration Planning

- What can your city/county do to complement regional efforts?
- Will your SMP support planned restoration?
- Will future land use be consistent with regional restoration efforts?

PSNERP Candidate Restoration Actions



Assessing Cumulative Impacts on Nearshore Systems

- PSNERP's characterization of existing conditions should be considered part of the "baseline"
- Factor in future restoration efforts to assess potential gains in ecological function
- Use technical reports, conceptual models and data to document linkages between human actions and environmental changes

Public Dialogue / Outreach

- PSNERP analyses provide perspective and context:
 - Historic conditions
 - Conditions relative to other areas of Puget Sound
 - Where to go from here
- Technical reports can be used to create a strong scientific record
- PSNERP provides a comprehensive, systematic, science-based foundation for policy decisions



Special thanks to:

Jim Kramer, Kramer Consulting

Carol MacIlroy, MacIlroy Consulting

National Fish and Wildlife Foundation