Olympia Oyster Restoration

Project Development, Siting and Evaluation Review

> Brian Allen Puget Sound Restoration Fund

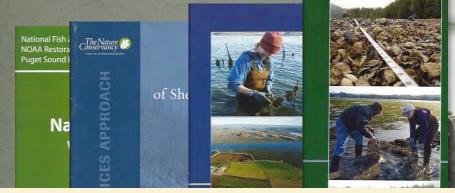


Northwest Straits Commission Annual Meeting 2016 Port Townsend November 5, 2016

Where to start

- Lots of activity nationally
- West Coast coalition

Resources



Olympia Oyster literature references

~DROPBOX~

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Research Coordinator, Elkhorn Slough NERR Kerstin.wasson@gmail.com









OYSTER HABITAT RESTORATION
Monitoring and Assessment Handbook



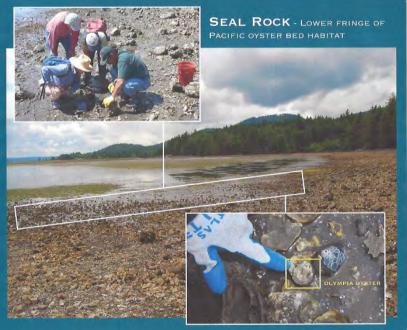




OLYMPIA OYSTER FIELD GUIDE

2013

IDENTIFYING WASHINGTON STATE'S NATIVE OYSTER AND ITS HABITAT FEATURES



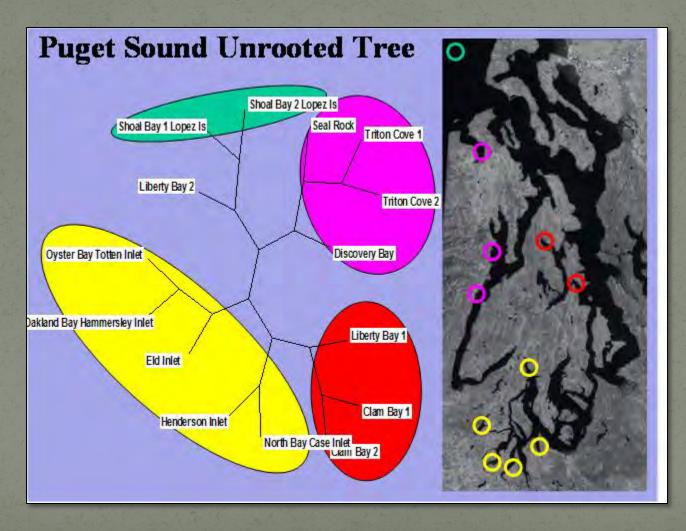


Restoration Goals

- Stock Rebuilding
 - Persistence
 - Food/Fisheries
- Biogenic Habitat
 - Oyster Population
 - Shell Budget
- Ecosystem Service
 - Filtration
 - Food WebEnhancement
 - Habitat Utilization
 - Nutrient Cycling



Population Structure



Siting Projects

Historical locations in Puget Sound

Washington Department of Fish and Wildlife Plan for Rebuilding Olympia Oyster (Ostrea lurida) Populations in Puget Sound with a Historical and Contemporary Overview

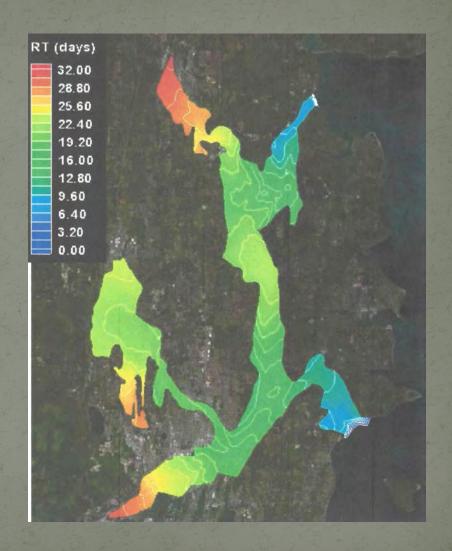


Brady Blake and Alex Bradbury Washington Department Fish & Wildlife Point Whitney Shellfish Laboratory 1000 Point Whitney Road Brinnon, WA 98320

Priority Restoration Sites Puget Sound RESTORATION FUND

Siting Projects

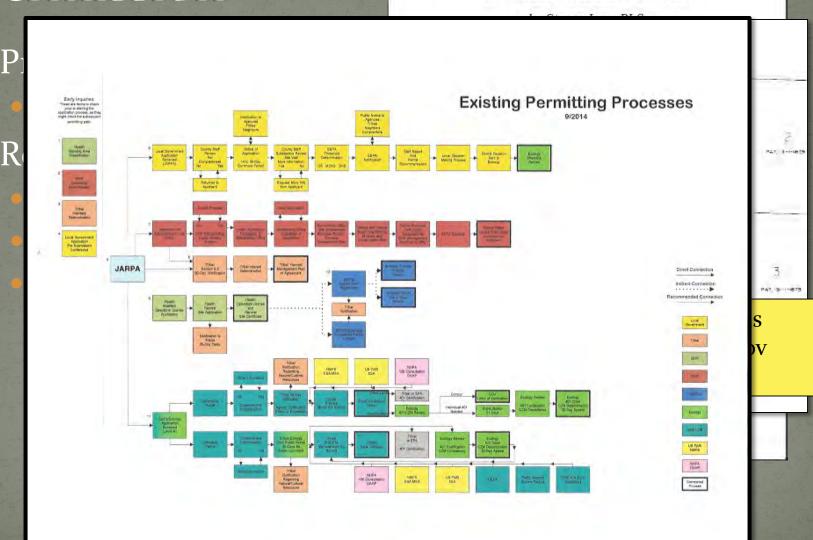
- Waterbody scale
 - Hydrodynamics
 - Sediment/substrate
 - Biological evaluation
 - Stressors
 - Mortality
 - Substrate limited
 - Recruitment limited



Permission

P

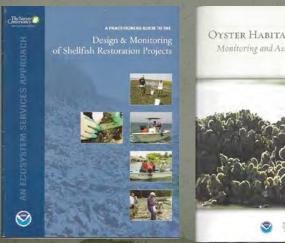
AQUATIC LAND BOUNDARIES IN WASHINGTON STATE

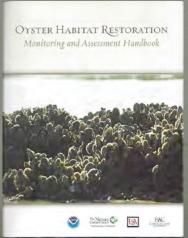


Monitoring

- Standard Practice
 - Universal metrics
 - Goals
 - Strategy
 - Objectives
 - Methods







Restoration of the Native Oyster, Ostrea lurida, in Fidalgo Bay, Padilla Bay and Cypress Island Year Fourteen Report



Paul Dinnel Skagit County Marine Resources Committee

September 2016



PSRF Olympia Oyster Monitoring Plan

October 2014
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