

Olympic Coast Social Science

AC Briefing January 24, 2014

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Briefing Outline

- **PURPOSE** - Why is OCNMS interested in social science work and how it informs our efforts?
- **PLAN** - What are the types of information we need?
- **PLAYERS** - Recent and proposed studies
- **NEXT STEPS**



About Sanctuaries

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Science

- » Condition Reports
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- » Conservation Series
- » Characterization
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Management and Resource Protection

Maritime Heritage

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Advisory Council

Multimedia

SANCTUARY SCIENCE

Socioeconomic | Site Socioeconomic Fact Sheets | Channel Islands | Florida Keys | Gray's Reef
Hawaiian Islands Humpback Whale | Olympic Coast

Socioeconomics

Socioeconomic Vision

Provide the best possible social science to give all stakeholders a voice in the management of sanctuary resources and foster a more cooperative management process.

Guiding Principle

Help NOAA's Office of National Marine Sanctuaries achieve its mission goals.

Approach

Socioeconomics is organized under ONMS Conservation Science. This program follows the framework of characterization, monitoring, and research. Socioeconomics also includes what many are now calling the field of "human dimensions" of natural resource and environmental management.

MPR Scoping & Prioritization

Socioeconomic evaluation emerged as a priority issue during MPR scoping, comments encouraged OCNMS to:

- 1) take the socioeconomic values of resources into account when making management decisions;
- 2) view human beings and uses as integral parts of sanctuary ecosystems;
- 3) pursue ecosystem-based management, which incorporates both social and natural science into decision-making processes

Goal G: Facilitate wise and sustainable use in the sanctuary to the extent that such uses are compatible with resource protection

Objective 1: Assess, monitor and manage, as appropriate, levels of human use in the sanctuary.

Objective 2: Create and support programs and strategies that protect tribal welfare.

Objective 3: Understand the sanctuary's socioeconomic values.

Socioeconomic Values of Resources in the Sanctuary Action Plan

- **Strategy SV1: Existing Socioeconomic Information**

Foster analysis and dissemination of existing socioeconomic data about Olympic Coast marine resources and human use patterns, including consumptive, non-consumptive and passive human use patterns.

- **Strategy SV2: New Socioeconomic Information**

Develop partnerships in order to collect, assemble, and analyze new information about human uses/activities occurring in the sanctuary and their socioeconomic values.

Social science data are used to:

- examine the human dimension of marine resource management;
- to understand consumptive and non-consumptive human use patterns;
- to assess economic impacts of proposed activities; and
- to understand the attitudes, perception and beliefs of resource users.

Socioeconomic Characterization

Social scientists focus on the understanding of how humans interact with natural and cultural resources and how they depend upon these resources for their lives and livelihoods.

ONMS Socioeconomic Characterization Requirements

Effort Required to Obtain Information



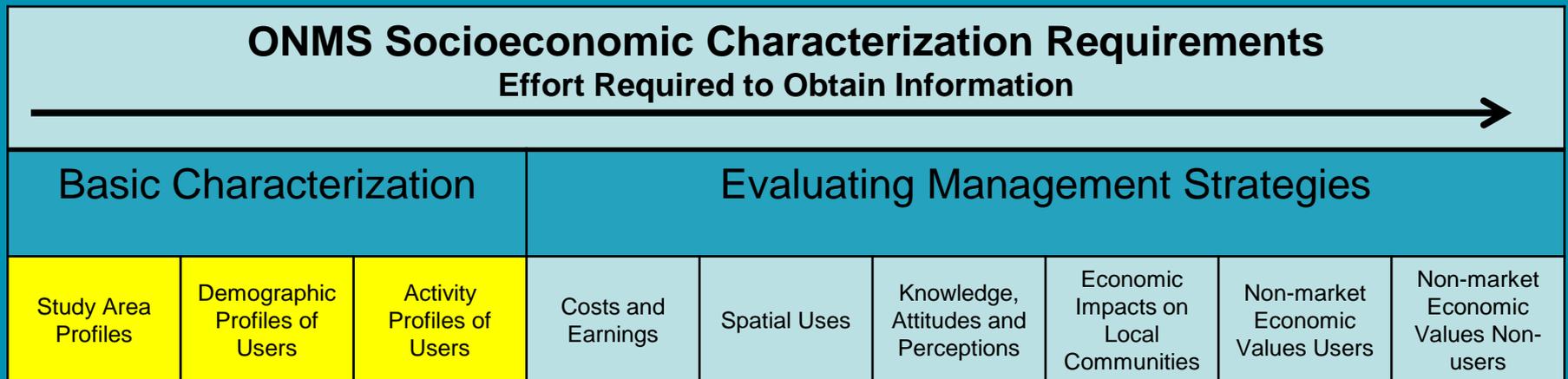
Basic Characterization

Evaluating Management Strategies

Study Area Profiles	Demographic Profiles of Users	Activity Profiles of Users	Costs and Earnings	Spatial Uses	Knowledge, Attitudes and Perceptions	Economic Impacts on Local Communities	Non-market Economic Values Users	Non-market Economic Values Non-users
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Basic Characterization Requirements

- ✓ Study Area Profiles
 - Demographic Profiles of Users
 - Activity Profiles of Users



Spatial Management & Policy

- Costs-and-Earnings
- Spatial Uses

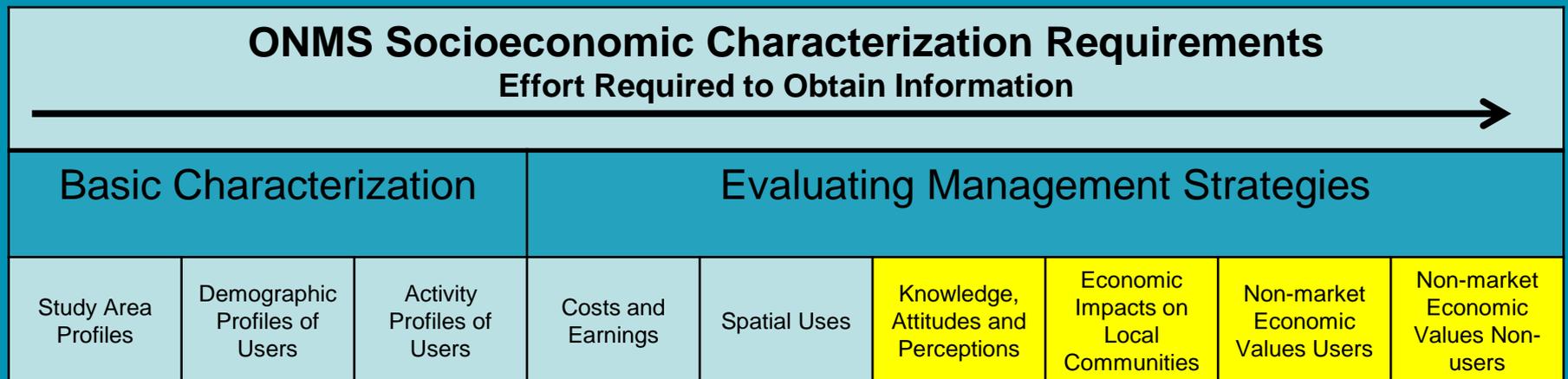
ONMS Socioeconomic Characterization Requirements

Effort Required to Obtain Information 

Basic Characterization			Evaluating Management Strategies					
Study Area Profiles	Demographic Profiles of Users	Activity Profiles of Users	Costs and Earnings	Spatial Uses	Knowledge, Attitudes and Perceptions	Economic Impacts on Local Communities	Non-market Economic Values Users	Non-market Economic Values Non-users

Management/Policy-continued

- Knowledge, attitudes and perceptions
- Economic impact on local communities
- Non-market economic value of uses
- Non-market economic values of non-users



Regional Studies

- Washington State Ocean Policy and Marine Spatial Planning
- Northwest Fisheries Science Center
- Surfrider-Ecotrust Recreation Survey
- National Centers for Coastal Ocean Science, Hollings Marine Laboratory

Washington State Ocean Policy and Marine Spatial Planning

- 2005 Legislation-Ocean Policy
- 2010 Legislation-Marine Spatial Planning
- 2011 Report to the Legislature
- 2012-2013 Legislature provides funding
- Washington Coastal Marine Advisory Council

Social Science 2012-2013

www.msp.wa.gov



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Search



- Tribal Commercial Marine Catch Data
- Tribal Traditional and Cultural Areas
- Commercial Fishing, Fish and Wildlife Resources and Recreational Fishing
- Marine Economic Baseline for the Coast
- Human Use Mapping Workshop

Social Science 2014-2015

www.ecy.wa.gov

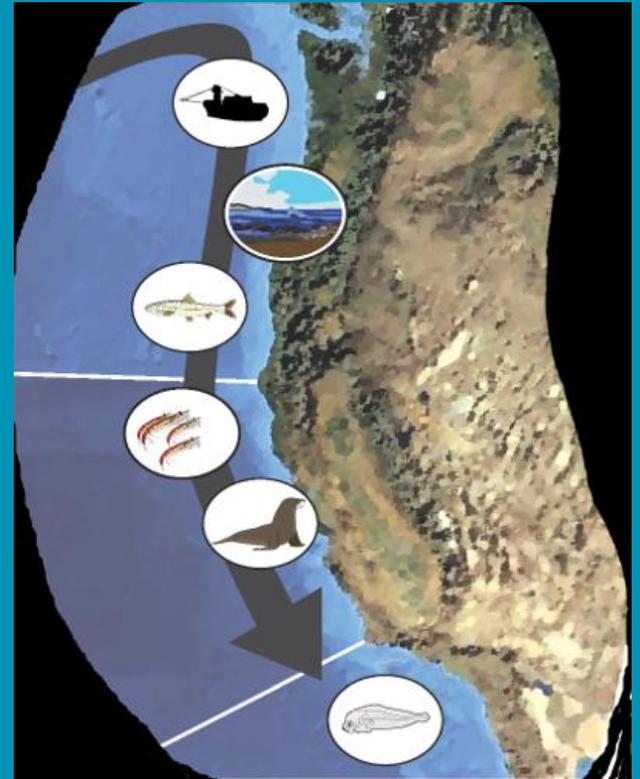


The screenshot shows the top portion of the Washington Department of Ecology website. At the top left is the logo for the Department of Ecology, State of Washington. To the right is a search bar with a 'GO' button. Below the logo is a navigation menu with links for Home, WATER, AIR, WASTE, CLEANUP, TOXIC HAZARDS, GREEN, Programs, Services, Publications & Forms, Databases, Laws & Rules, Public Involvement Calendar, and Public Records. Further right are links for 'A-Z Index | Contact Us' and 'About Us | Jobs'. The main content area features a header for 'Washington's Ocean Resources' with a background image of a coastline. Below this is a breadcrumb trail: 'SEA Program Home > Ocean Resources Home > Washington Coastal Marine Advisory Council'. The main heading is 'Washington Coastal Marine Advisory Council'. On the left side of this section, there is a sub-menu for 'OCEAN RESOURCES HOME' with a link for 'Accomplishments'.

- Sector analyses: shipping, fishing, recreation, aquaculture, energy (others?)
- Ecosystem assessment
 - economic indicators
 - social indicators
- Coastal economic analysis

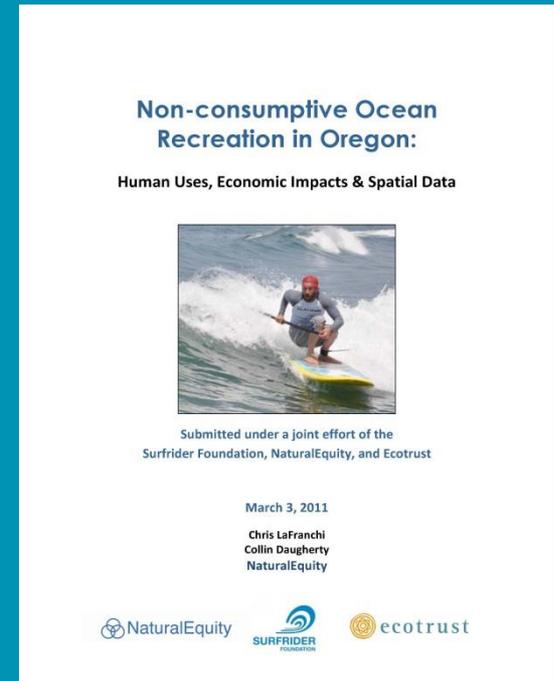
Northwest Fisheries Science Center

- Fishing Community Profiles
- California Current Integrated Ecosystem Assessment
- Indicator Selection Process for WA MSP
- Social Wellbeing Indicators for Marine Management (SWIMM)



Surfrider-Ecotrust Recreation Survey Proposal

- Efforts to date
- Objectives
- Approach & Methodology
- Stakeholder Outreach & Survey Design
- Data Analysis



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National Centers for Coastal Ocean Science

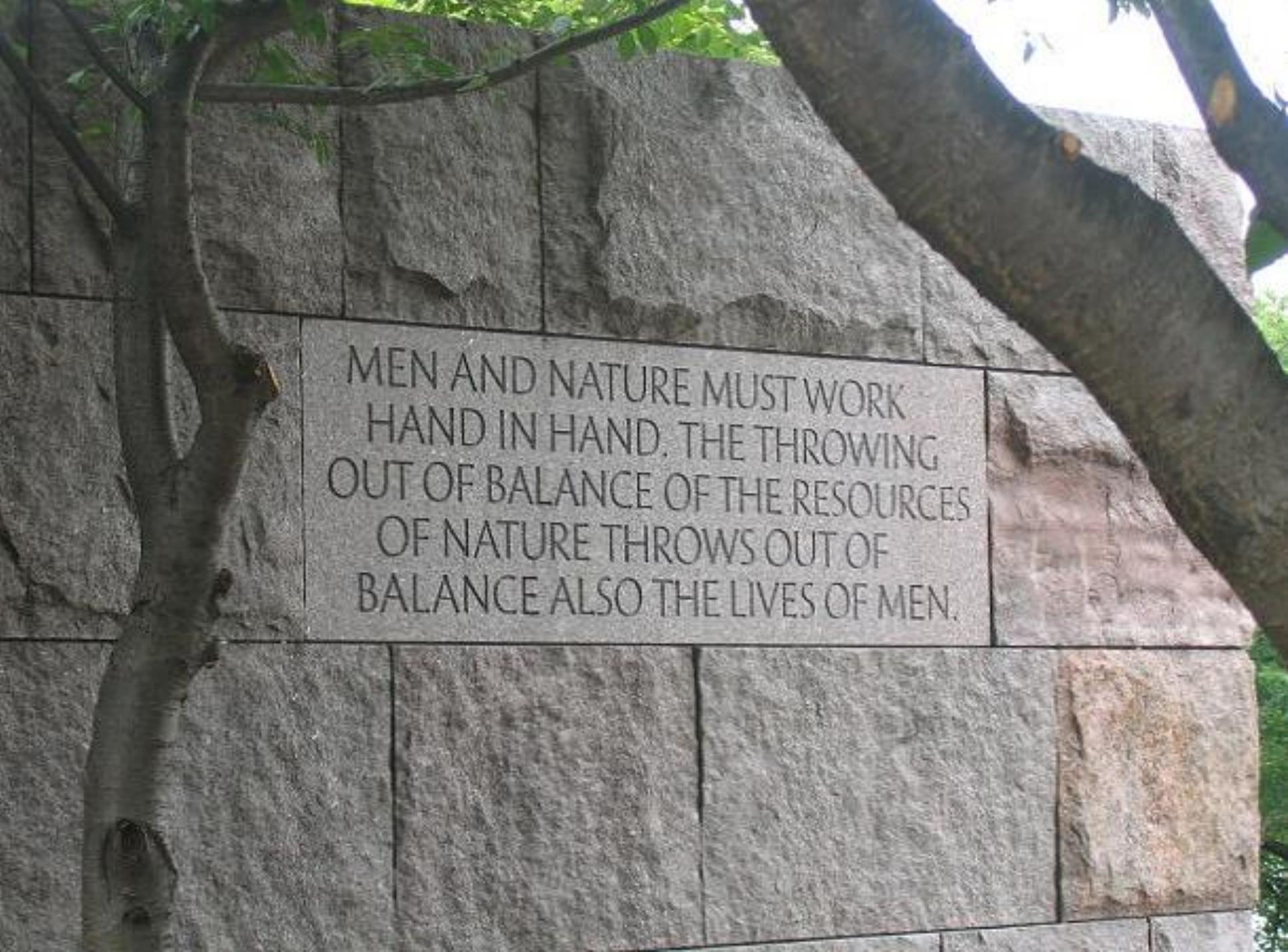
Social Valuation of Ecosystem Services (SoLVES model)

Two part survey of select groups

- Spatial analysis of values for ecosystem services in relation to natural or man-made features and conditions in the NMS
- Management questions to measure knowledge, attitudes and uses of resources

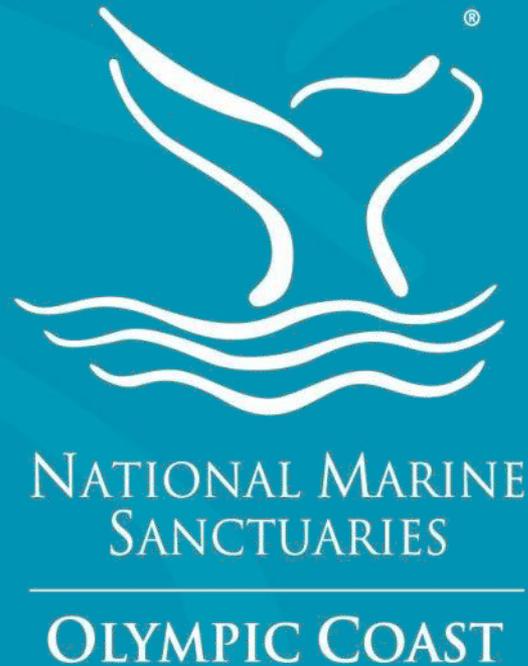
Recommendations for Next Steps and Discussion

- Identify areas for collaboration
 - support recreational use surveys
 - support HML social values work
 - evaluate the value of coordinating these
- Rewrite Action Plan?
 - taking into account new information and partnerships

A stone wall with a central plaque containing a quote. The wall is made of large, rectangular, greyish-brown stone blocks. A tree trunk is visible on the left side, and another tree trunk is on the right side. The quote is engraved on a lighter-colored rectangular plaque in the center of the wall.

MEN AND NATURE MUST WORK
HAND IN HAND. THE THROWING
OUT OF BALANCE OF THE RESOURCES
OF NATURE THROWS OUT OF
BALANCE ALSO THE LIVES OF MEN.

National Marine Sanctuaries
National Oceanic and Atmospheric Administration



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<http://olympiccoast.noaa.gov>