



# HUMAN DIMENSIONS RESEARCH

## REPORTS AND PUBLICATIONS

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### Background Materials

- Monitoring Plans and Workshops

### Reports and Publications (organized by research category)

- Characterizations of Communities
- Direct Uses of Coastal Environments: Fishing, Recreation, and Aesthetic Engagement
- Attitudes & Perceptions of Implementation & Management
- Social & Environmental Values

### Complementary Research Reports & Publications

### Student Theses



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## BACKGROUND MATERIALS

- [Human Dimensions Research Plan](#) (ODFW 2017)
- [Human Dimensions Monitoring Report 2010-2011](#) (ODFW 2014)
- [Human Dimensions Research Plan](#) (ODFW 2012)
- [Economics Workshop](#) (STAC 2008)

## REPORTS AND PUBLICATIONS

### I. CHARACTERIZATIONS OF COMMUNITIES

#### A. Coastal Community Profiles - Fishing Occupational Profiles

Researchers: Melissa Murphy (ODFW)  
Flaxen Conway and Christina Package (Oregon State University)

- Reports:**
- a. [Garibaldi](#) (OSU 2010)
  - b. [Pacific City](#) (ODFW 2012)
  - c. [Salmon River](#) (ODFW 2013)
  - d. [Depoe Bay](#) (ODFW 2013)
  - e. [Newport](#) (OSU 2010)
  - f. [Port Orford](#) (OSU 2010)

**B. Coastal Community Profiles - Background Information** (using secondary data)

Researchers: Tommy Swearingen and Haley Epperly (ODFW)  
Shannon Davis (The Research Group, LLC)

- Reports:**
- a. [Socioeconomic Profile of the Oregon Coast: A Comparative Analysis](#) (ODFW 2018)

**C. Coastal Community Profiles - Community Resilience, Adaptation, and Communication**

Researchers: Paige Fischer, Julia Wondolleck, students (University of Michigan)  
Tommy Swearingen (ODFW)

- Reports:**
- a. [Resilience of Oregon Coastal Communities in Response to External Stressors](#) (University of Michigan 2016)

- Publications:**
- b. Fischer, A.P. (2018). [Pathways of adaptation to external stressors in coastal natural-resource-dependent communities: Implications for climate change](#). *World Development*, 108: 235–248.

## II. DIRECT USES OF COASTAL ENVIRONMENTS Fishing, Recreation, and Aesthetic Engagement

**A. Modeling the Economic Impacts of Fishing Restrictions**

Researchers: Shannon Davis (The Research Group, LLC)  
Jim Golden (Golden Marine Consulting)  
Active Tectonics and Seafloor Mapping Lab (Oregon State University)

- Reports:**
- a. [Using Spatial Analysis of Fisheries and Habitat Data to Evaluate Economic Effects of Oregon Marine Reserve Sites](#) (TRG 2012)
  - b. [Interactive Model for the Broadscale Spatial Analysis of Oregon Nearshore Fisheries](#) (TRG 2018)
  - c. [Oregon Commercial and Recreational Fishing Industry Economic Activity Coastwide and in Proximity to Marine Reserve Sites for Years 2016 and 2017](#) (TRG 2018)
  - d. [Interactive Model User Guide for the Broadscale Spatial Analysis of Oregon Nearshore Fisheries, Update 2017-2019 Base Period](#) (TRG 2021)

- e. Oregon Commercial and Recreational Fishing Industry Economic Activity Coastwide and in Proximity to Marine Reserve Sites for Years 2018 and 2019 (TRG 2021)
  - i. [Executive Summary](#)
  - ii. [Technical Report](#)
  - iii. [Appendices](#)

Policy/Mgmt: f. [OFWC Exhibit: Rulemaking Hearing, Need, and Fiscal Impact Statement](#) (ODFW 2012)

## B. Visitor Counts and Surveys

Researchers: Tommy Swearingen, Haley Epperly, Hilary Polis (ODFW)

- Reports:
- a. [2012-13 Visitor Intercept Survey](#) (ODFW 2017)  
*Cascade Head, Otter Rock, Cape Perpetua*
  - b. [2014 Visitor Intercept Survey](#) (ODFW 2019)  
*Cascade Head, Otter Rock, Cape Perpetua*
  - c. [2015 Visitor Intercept Survey](#) (ODFW 2016)  
*Cape Falcon*

- Infographic: d. [Visitor Surveys Infographic](#) (ODFW 2016)
- Web Post: e. [Who Is Visiting the Marine Reserves and Why?](#) (Nov 2016)

## C. Ocean Awareness Visitor Survey

Researchers: Tommy Swearingen and Haley Epperly (ODFW)

- Reports:
- a. [Coastal Visitor Ocean Awareness Survey](#) (ODFW 2017)
- Web Post: b. [Greater Familiarity Leads to Greater Concern for the Ocean](#) (Jan 2020)

## D. Fishing Effort Shift - Fishermen Interviews and Direct Observations

Researchers: Tommy Swearingen, Haley Epperly, Melissa Murphy (ODFW)  
Shannon Davis (The Research Group, LLC)

- Reports:
- a. [2010 Fishers Interviews: Anticipated Marine Reserves Impacts On Fishing Effort Shift](#) (ODFW 2017)

## E. Fishing Effort Shift - Survey

Researchers: Bryn Hudson, Elise Granek, Max Nielsen-Pincus, (Portland State University)  
Shannon Davis (The Research Group, LLC)

- Reports:
- a. [Assessing Effort Shifts and Familial Successional Planning in Oregon's Nearshore Fisheries](#) (PSU 2018)
  - b. [Oregon Nearshore Fisheries Effort Shift Survey Commercial Fisheries Representativeness Report](#) (TRG 2018)

## F. Economic Impact from Research Activities

Researchers: Shannon Davis, Hilary Polis (The Research Group, LLC)  
Melissa Murphy (ODFW)

**Reports:** a. [The Economic Contribution From Ocean Research, Planning, and Management Activities at Port Orford, Oregon](#) (TRG 2013)

## III. ATTITUDES AND PERCEPTIONS OF IMPLEMENTATION & MANAGEMENT

### A. Oregon Residents' Attitudes and Perceptions Surveys

Researchers: Mark Needham, Lori Cramer, students (Oregon State University)  
Paul Manson, Elise Granek, Max Nielson-Pincus (Portland State University)  
Tommy Swearingen (ODFW)

**Reports:** a. [2016 Resident Perceptions of Oregon Marine Reserves](#) (OSU 2016)  
b. [Coastal Resident Perceptions of Marine Reserves in Oregon: Additional Analyses](#) (OSU 2016)  
c. [2013 Coastal Resident Perceptions of Marine Reserves in Oregon](#) (OSU 2013)

**Publications:** d. Perry, E.E., Needham, M.D., and Cramer, L.A. (2016). [Coastal Resident Trust, Similarity, Attitudes, and Intentions Regarding New Marine Reserves in Oregon](#). *Society & Natural Resources*, 30:3, 315-330.  
e. Perry, E.E., Needham, M.D., Cramer, L.A., and Rosenberger R.S. (2014). [Coastal resident knowledge of new marine reserves in Oregon: The impact of proximity and attachment](#). *Ocean & Coastal Management*, 95: 107-116.  
f. Manson, P., Nielsen-Pincus M., Granek E.F., and Swearingen T.C. (2021). [Public perceptions of ocean health and marine protection: Drivers of support for Oregon's marine reserves](#). *Ocean & Coastal Management*, 201: 105480.

**Infographic:** g. [What Do Oregonians Know and Think About Marine Reserves Infographic](#) (ODFW 2016)

**Web Post:** h. [Oregonian Perceptions of Marine Reserves](#) (Dec 2016)

### B. Coastal Community Resilience and Subjective Wellbeing

Researchers: Kreg Lindberg and Katie Williams (OSU Cascades)  
Tommy Swearingen (ODFW)  
Eric White (US Forest Service)

**Reports:** a. [Oregon Coastal Community Well-Being Assessment](#) (OSU-Cascades 2019)

- Publications:**
- b. Lindberg, K., Swearingen, T., and White, E.M. (2020). [Parallel Subjective Well-Being and Choice Experiment Evaluation of Ecosystem Services: Marine and Forest Reserves in Coastal Oregon, USA](https://doi.org/10.1007/s11205-019-02239-0). *Soc Indic Res*, <https://doi.org/10.1007/s11205-019-02239-0>.
  - c. Lindberg, K. and Swearingen T. (2020). [A Reflective Thrive-Oriented Community Resilience Scale](#). *Am J Community Psychol*, 0: 1–12.
- Web Post:**
- d. [Why Study People’s Reactions to Change?](#) (Nov 2015)

### C. Community Resilience Related to Marine Reserve Implementation

**Researchers:** Elizabeth Marino, Christopher Wolsko (OSU Cascades)  
Tommy Swearingen (ODFW)

- Reports:**
- a. [2015 Pilot Study: Impacts, Outcomes and Effort Shift of Commercial and Charter Fishers](#) (OSU Cascades 2017)  
*Cape Falcon*
  - b. [2017-19 Qualitative Evaluation of Impacts of Marine Reserves on Commercial and Charter Fishers: Understanding the Big Picture](#) (OSU Cascades 2020)

- Web Post:**
- c. [A Fishing Perspective: Understanding Marine Reserve Effects](#) (Nov 2016)
  - d. [New Report: Qualitative Evaluation of Impacts on Fishers](#) (Aug 2020)

### D. Business Surveys

**Researchers:** Tommy Swearingen, Haley Epperly, Hilary Polis, Melissa Murphy (ODFW)

- Reports:**
- a. [2010-2015 Business Surveys](#) (ODFW 2017)
  - b. [Review of Business Surveys: 2010-2021](#) (ODFW 2021)

## IV. SOCIAL AND ENVIRONMENTAL VALUES

### A. Oregonian’s Perspectives on Marine Conservation: Statewide Survey of Social Values, Attitudes, and Opinions

**Researchers:** Paul Manson, Kaegan Scully-Engelmeyer, Elise Granek, Max Nielson-Pincus, Amy Lubitow (Portland State University)

- Reports:**
- a. [Understanding Oregonians' Coastal Values and Priorities through Participatory GIS Mapping](#) (PSU 2020)

- Publications:**
- b. Scully-Engelmeyer, K.M., Granek, E.F., Nielsen-Pincus, M., Brown, G. (2021). [Participatory GIS mapping highlights indirect use and existence values of coastal resources and marine conservation areas](https://doi.org/10.1016/j.ecoser.2021.101301). *Ecosystem Services*. <https://doi.org/10.1016/j.ecoser.2021.101301>

- Web Post:**
- c. [What Do Oregonians Love About the Coast](#) (Feb 2021)

## B. Resident's Perceived Values of Ecosystem Services

Researchers: Pilot Study: Randall Rosenberger, Gil Sylvia, Selina Heppell, students (Oregon State University)

Reports: a. [Pilot: Bioindicator-based Method for Valuing Marine Ecosystem Services](#) (OSU 2011)

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## COMPLEMENTARY RESEARCH REPORTS & PUBLICATIONS

- A. [Shoreside Economic Analysis for the Oregon Territorial Sea Plan](#) (Ecotrust 2011)
  - B. [Oregon's Non-consumptive Recreational Ocean User Community](#) (Oregon Sea Grant 2011)
  - C. [Non-consumptive Ocean Recreation in Oregon](#) (Natural Equity 2011)
  - D. [Oregon Marine Recreational Fisheries Economic Contributions in 2011-12](#) (TRG 2013)
  - E. [Oregon Commercial Fishing Industry 2011-12 Review](#) (TRG 2013)
  - F. [Economic Impact of Marine Recreational Fishing: Oregon Pilot Survey](#) (TRG 2013)  
\* study not continued beyond pilot (study found methodology to be problematic)
  - G. [Guide for Valuing Marine Ecosystem Services](#) (Oregon Sea Grant 2013)
  - H. [2013 Oregon Commercial Fishing Industry](#) (TRG 2014)
  - I. [2015 Oregon Commercial Fishing Industry](#) (TRG 2016)
  - J. Johnston, J.R., Needham, M.D., Cramer, L.A., Olsen, C.S., and Swearingen, T.C. 2019. [Public Perceptions of Marine Wilderness as a Marine Protected Area Designation](#). *Ocean & Coastal Management*, 178:104873.
  - K. Johnston, J. R., Needham, M. D., Cramer, L. A., and Swearingen, T. C. 2020. [Public values and attitudes toward marine reserves and marine wilderness](#). *Coastal Management*, 48:2, 142–163.
  - L. [Cape Perpetua Visitor Surveys](#) (Epperly et al. 2020)
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## STUDENT THESES THAT HAVE RESULTED FROM COLLABORATIONS

- A. Elizabeth Perry (OSU 2013)
- B. Christina Package (OSU 2010)
- C. Sabra Tall Chief Comet (PSU 2018)
- D. Lara Kazloff - special project report (OSU 2015)
- E. Nick Pitz - special project report (OSU 2015)
- F. Jennifer Johnston (OSU 2017)
- G. Bryn Hudson (PSU 2018)