



HUMAN DIMENSIONS RESEARCH

REPORTS AND PUBLICATIONS

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Click on any of the following categories to skip down and see pertinent reports and publications. Links are provided to each report and publication listed.

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
- Human Well-Being and Community Involvement

Complementary Research Reports & Publications

Student Theses



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)

1. **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) Fox (ODFW)
Shannon Davis (The Research Group, LLC)

1. **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)

1. **Reports:**
 - a. [Resilience of Oregon Coastal Communities in Response to External Stressors](#) (University of Michigan 2016)
2. **Publications:**
 - a. 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.
<https://doi.org/10.1016/j.worlddev.2017.12.007>
 - b. Ackerman, R., Neuenfeldt, R., Eggermont, T., Burbidge, M., Lehrman, J., Wells, N., Wondolleck, J. and Fischer, A.P. (2025). [Coastal Community Resilience: A Comparative Case Study in Oregon, USA](#). *Coastal Management*, 53:3, 220–238.
<https://doi.org/10.1080/08920753.2025.2477853>

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)

1. **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 Broad-scale 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](#)

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

B. Visitor Counts and Surveys

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

- 1. **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
 - d. [2021 Visitor Intercept Survey](#) (ODFW 2022)
Cape Falcon, Cascade Head, Otter Rock, Cape Perpetua

Infographic: [Visitor Surveys Infographic](#) (ODFW 2016)

Web Post: [Who Is Visiting the Marine Reserves and Why?](#) (Nov 2016)

C. Ocean Awareness Visitor Survey

Researchers: Tommy Swearingen and Haley Epperly (ODFW)

- 1. **Reports:**
 - a. [Coastal Visitor Ocean Awareness Survey](#) (ODFW 2017)

Web Post: [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)

- 1. **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)

1. **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. Recreational Fisher Survey: Knowledge, Attitudes, Perceptions, and Impacts to Participation

Researchers: Tommy Swearingen, Haley Fox, Camilla Kennedy, Allen Molina (ODFW)

1. **Reports:**
 - a. [2021 Survey of Oregon Recreational Fishers](#) (ODFW 2022)
2. **Publications:**
 - a. Fox, H.K., Swearingen, T.C., Molina, A.C., Kennedy, C.M. (2022). [Oregon recreational fishers' knowledge, support, and perceived impacts of marine reserves](#). *Ocean & Coastal Management*, 225, 106241. <https://doi.org/10.1016/j.ocecoaman.2022.106241>.

G. Economic Impact from Research Activities

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

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

H. Coastal Communities

Researchers: Tommy Swearingen, Haley Fox (ODFW)

1. **Reports:**
 - a. N/A
2. **Publications:**
 - a. Fox, H.K., Swearingen, T.C. (2021). [Using a difference-in-differences and synthetic control approach to investigate the socioeconomic impacts of Oregon's marine reserves](#). *Ocean & Coastal Management*, 215, 105965. <https://doi.org/10.1016/j.ocecoaman.2021.105965>.

I. Impacts on Recreational Fishing Licence Sales

Researchers: Tommy Swearingen, Haley Fox, Allen Molina (ODFW)

1. **Publications:**
 - a. Fox, H.K., Molina, A.C. and Swearingen, T.C., (2022). [An interrupted time series approach to assess Marine Protected Area impacts on recreational fishing licence sales](#). *Aquatic Conservation: Marine and Freshwater Ecosystems*, 32(12), pp.1970-1982. <https://doi.org/10.1002/aqc.3889>

J. Economic Impact from Non-Extractive Activities

Researchers: Katy Bear Nalven (Sea & Shore Solutions, LLC)
Sarah Klain, Sam Cheplick (ODFW)
Shannon Davis (The Research Group, LLC)

1. **Reports:**
- a. [Measuring Regional Economic Impacts from Non-Extractive Activities at Oregon's Marine Reserves: Case Study at Redfish Rocks Marine Reserve in Port Orford, Oregon](#) (ODFW 2025)

Web Post: [Ripple effects from Redfish Rocks Marine Reserve: New economic analysis reveals job and income generation](#) (October 2025)

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)

1. **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)
 - d. [Changes Over Time in Resident Perceptions of Marine Reserves in Oregon](#) (OSU 2022)
2. **Publications:**
- a. 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.
 - b. 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.
 - c. 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.
 - d. McAlpine, K., Needham, M.D., Cramer, L.A. and Swearingen, T.C. (2025). [What Do Residents Think About Marine Reserves in Oregon \(USA\)? Changes Over Time in Attitudes and Intentions](#). *Coastal*

Management, 53:3 258-281.

<https://doi.org/10.1080/08920753.2025.2483569>

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

Web Post: [Oregonian Perceptions of Marine Reserves](#) (Dec 2016)
[Making waves: western Oregonians increasingly support their marine reserves](#) (May 2025)

B. Coastal Community Resilience and Subjective Wellbeing

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

1. **Reports:**
 - a. [Oregon Coastal Community Well-Being Assessment](#) (OSU-Cascades 2019)
2. **Publications:**
 - a. 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](#). *Social Indicators Research*, <https://doi.org/10.1007/s11205-019-02239-0>.
 - b. Lindberg, K. and Swearingen T. (2020). [A Reflective Thrive-Oriented Community Resilience Scale](#). *American Journal of Community Psychology*, 0: 1–12.

Web Post: [Why Study People’s Reactions to Change?](#) (Nov 2015)

C. Fishing Community Resilience Related to Marine Reserve Implementation

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

1. **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)
 - c. [Net Values: Social and Economic Impacts of the Oregon Marine Reserves on the Fishing Communities of Garibaldi, Depoe Bay, and Port Orford](#) (OSU Cascades 2022)

Web Posts: [A Fishing Perspective: Understanding Marine Reserve Effects](#) (Nov 2016)
[New Report: Qualitative Evaluation of Impacts on Fishers](#) (Aug 2020)

D. Business Surveys

Researchers: Tommy Swearingen, Haley Epperly, Hilary Polis, Melissa Murphy (ODFW)
Adrian Laufer (Sea & Shore Solutions, LLC)

1. **Reports:**
 - a. [2010-2015 Business Surveys](#) (ODFW 2017)
 - b. [Review of Business Surveys: 2010-2021](#) (ODFW 2021)
 - c. [Recreation Business Impacts](#) (S&SS 2023)

Web Posts: [Survey shows Oregon's Marine Reserves no drag on businesses' bottom lines](#) (August 2023)

IV. SOCIAL AND ENVIRONMENTAL VALUES

A. Oregonians' 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)

1. **Reports:**
 - a. [Understanding Oregonians' Coastal Values and Priorities through Participatory GIS Mapping](#) (PSU 2020)
2. **Publications:**
 - a. 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](#). *Ecosystem Services*. <https://doi.org/10.1016/j.ecoser.2021.101301>
 - b. Manson, P., Nielsen-Pincus, M., Granek, E.F., 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. <https://doi.org/10.1016/j.ocecoaman.2020.105480>.

Web Post: [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)

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

C. Marine Reserves Perceptions and Audiences

Researchers: Jennifer Waldo, Megan Jones (OSU)
Sarah Klain (ODFW)

1. **Reports:**
 - a. [Perceptions and Audiences of the Marine Reserves](#) (OSU 2025)

- 2. Publications:**
- a. Waldo, J. L., Needham, M. D., Jones, M. S. (2025). [How can we sea change? Audience subgroups and psychological cognitions to target in action-oriented ocean change communication](https://doi.org/10.1016/j.marpol.2024.106585). *Marine Policy*. 173, 106585 <https://doi.org/10.1016/j.marpol.2024.106585>
 - b. Waldo, J.L., Swearingen, T.C. and Jones, M.S., (2025). [A psychologically wise intervention to inform relational organizing in the face of climate and ocean change](https://doi.org/10.1038/s44183-025-00115-8). *Ocean Sustainability*, 4(1), p.17. <https://doi.org/10.1038/s44183-025-00115-8>

D. Latino Ocean Values

Researchers: Megan Davis, Hilary Boudet (OSU)

- 1. Reports:**
- a. [Illuminating Ocean Conservation Values Among Spanish-Speaking Oregonians](#) (OSU 2025)

V. HUMAN WELL-BEING AND COMMUNITY INVOLVEMENT

A. Community Science Opportunities

Researchers: Ryan Meyer (University of California, Davis)

- 1. Reports:**
- a. [Examining the Role of Community and Citizen Science in Oregon Marine Reserves](#) (UC Davis 2024)

B. Measurements of Human Well-Being

Researchers: Ryan Meyer, Mark Schwartz, students (UC Davis)
Sarah Klain (ODFW)

- 1. Reports:**
- a. [Prioritizing Locally Relevant Human Well-Being Indicators Linked to Marine Reserves](#) (UC Davis 2025)

Web Post: [Prioritizing Locally Relevant Human Well-Being Indicators Linked to Marine Reserves](#) (July 2025)

C. Expansions in Marine Reserves Communications

Researchers: Danny Pimentel, students (University of Oregon)

- 1. Reports:**
- a. [Otter Rock: Beneath the Surface Project Report](#) (UO 2025)
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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)
 - M. Insinga, M.L., Needham, M.D. and Swearingen, T.C., 2022. [Public emotions and cognitions in response to ocean acidification](#). *Ocean & Coastal Management*, 221, p.106104.
 - N. Insinga, M.L., Needham, M.D. and Swearingen, T.C., 2023. [Public cognitions and emotions associated with sea star wasting disease: an exploratory study in Oregon](#). *Human Dimensions of Wildlife*, 28(4), pp.335-355.
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STUDENT THESES THAT HAVE RESULTED FROM COLLABORATIONS

- A. [Elizabeth Perry - Masters Thesis \(OSU 2013\)](#)
- B. [Christina Package - Masters Thesis \(OSU 2010\)](#)
- C. Sabra Tall Chief Comet - Masters Thesis (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 - Professional Masters Project \(PSU 2018\)](#)
- H. Jennifer Waldo (OSU 2024)
- I. Isabella Stockalper - Undergraduate Capstone project (L&CC 2025)
- J. [Alexis Merker - Undergraduate Honors Thesis \(OSU 2025\)](#)