

**Science and Technical Advisory Committee (STAC) Meeting**  
**Hatfield Marine Science Center Seminar Room, Newport, OR**  
**October 26, 2017**  
**900AM-300PM**

**STAC Members attending:** Jack Barth, Veronica Dujon, Selina Heppell, Bill Jaeger, Gil Sylvia, Shelby Walker, Craig Young, Elise Granek (virtual)

**STAC Members absent:** Jan Hodder

**Other invited participants:** Cristen Don (ODFW), Tommy Swearingen (ODFW), Dave Fox (ODFW), Andy Lanier (DLCD)

Marine Reserves Review (April 13, 2017) [Master Document List](#)

9AM

- Welcome and introductions-*Walker*
- OAH Updates
  - Update on [Oregon Coordinating Council on Ocean Acidification and Hypoxia](#)-*Barth*
  - STAC recommendation for participant to [Oregon Coordinating Council on Ocean Acidification and Hypoxia](#)
  - Update on OAH Monitoring Group Activities
- Overall marine reserves evaluation-*Group Discussion*
  - Process and criteria for the marine reserves evaluation
    - Chosen university selection process
    - RFP development
      - Criteria for evaluation
      - Key components of report
    - STAC engagement in evaluation process
  - Timeline for evaluation process
  - Engagement with OPAC and others before and during evaluation process

12PM Lunch\*\*

1245PM

- Human dimensions component of marine reserves
  - Update on plan and current work-*ODFW*
    - [Human Dimensions Research and Monitoring Plan \(2012\)](#)
    - [Human Dimensions Monitoring Plan \(2017\)](#)
  - Recap and discussion of existing STAC guidance (e.g., [2008 STAC Economic Subcommittee report](#))-*Jaeger, Sylvia*
  - Recommend additional guidance for ODFW for Human Dimensions-*Group Discussion*
- Topics for next meeting and schedule

3PM Adjourn

\*\*Provided only for STAC Members and Invited Speakers. The public is welcome to bring a sack lunch if they desire.\*\*

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**Virtual connection**

Connect by computer:

<https://oregonstate.webex.com/oregonstate/j.php?MTID=mfe42db16e7ca206ca7be2fbda347f619>

Meeting number (access code): 927 795 548

Phone connection: 1-415-655-0002

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**Marine Reserves Evaluation ([Senate Bill 1510](#)):**

- “Draft report to the interim committee on environment and natural resources of the Legislative Assembly no later than October 1, 2022, and a final report to the Legislative Assembly in the manner provided by ORS 192.245 no later than March 1, 2023, regarding the establishment, study, monitoring, evaluation and enforcement of the pilot marine reserves, marine reserves, marine protected areas and seabird protection area described in ORS 196.540”
- “Be researched and prepared, within existing resources and without additional appropriation, by a public university listed in ORS 352.002 chosen by the scientific and technical advisory committee”
- “An assessment of social, economic, and environmental factors related to the reserves and protected areas”
- “Recommendations for administrative actions and legislative proposals related to the reserves and protected areas”
- “Any other scientifically based information related to the reserves and protected areas that the public university described in this subsection deems relevant or material”

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**Pertinent ORS**

**ORS 192.245**

**(1)** Whenever a law of this state requires a written report be submitted to the Legislative Assembly, the requirement shall be met by distribution of an executive summary of no more than two pages sent to every member of the Legislative Assembly by electronic mail and one copy of the report to the Legislative Administrator. This requirement does not preclude providing a copy of any report to a specific legislative committee if required by law. The requirements of this subsection are not met if the executive summary is distributed to members of the Legislative Assembly in paper format.

**(2)** The executive summary described in subsection (1) of this section shall include an explanation of how a member of the Legislative Assembly may obtain a copy of the report. If the report is also available on the Internet, the executive summary shall include the online location of the report.

**(3)** Notwithstanding subsection (1) of this section, if a member of the Legislative Assembly requests a paper copy of a report or executive summary, the agency or other entity responsible for submitting the report or executive summary to the Legislative Assembly shall supply a paper copy of the report or executive summary to the member. [1991 c.842 §4; 2009 c.416 §1; 2011 c.380 §1]

**ORS 196.540**

The State Department of Fish and Wildlife, State Fish and Wildlife Commission, State Land Board and relevant state agencies shall, consistent with existing statutory authority, implement:

**(1)** The November 29, 2008, recommendations from the Ocean Policy Advisory Council on marine reserves by adopting rules to establish, study, monitor, evaluate and enforce a pilot marine reserve at Otter Rock and a pilot marine reserve and a marine protected area at Redfish Rocks.

**(2)** The January 25, 2011, recommendations, limited to those related to boundaries and allowances, from the State Department of Fish and Wildlife on marine reserves by adopting rules to establish, study, monitor, evaluate and enforce:

**(a)** A marine reserve and two marine protected areas at Cape Falcon;

**(b)** A marine reserve and three marine protected areas at Cascade Head; **and**

**(c)** A marine reserve, two marine protected areas and a seabird protection area at Cape Perpetua. [2009 c.847 §1; 2012 c.27 §2]

Note: [196.540 \(Marine reserves\)](#) to [196.555 \(Reporting\)](#) were enacted into law by the Legislative Assembly but were not added to or made a part of ORS chapter 196 or any series therein by legislative action. See Preface to Oregon Revised Statutes for further explanation.

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**ORS 352.002**

The following are established as public universities in the State of Oregon:

- (1)** University of Oregon.
- (2)** Oregon State University.
- (3)** Portland State University.
- (4)** Oregon Institute of Technology.
- (5)** Western Oregon University.
- (6)** Southern Oregon University.
- (7)** Eastern Oregon University. [1987 c.246 §1; 1995 c.162 §74; 1995 c.612 §§10,11; 1997 c.11 §1; 2001 c.382 §1; 2011 c.637 §58; 2013 c.768 §24]

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[2008 Economic Workshop-Findings and Recommendations](#)

General Findings

- Finding 1: OPAC's marine reserves objectives require the assessment of economic impacts on ocean users and coastal communities.
- Finding 2: The assessment of economic impacts (both positive and negative) of marine reserves has several dimensions: documenting existing ocean uses and their economic contribution to people and communities, predicting human behavioral responses, and identifying benefits and costs. Marine reserves may be complementary to fishery regulations already in effect in Oregon's Territorial Sea.
- Finding 3: Executive Order 07-08 lists ocean users and coastal communities as the focus of impact assessment for marine reserves; however, depending on their scale and placement, marine reserves may also have impacts beyond coastal areas.
- Finding 4: Several methods and models are appropriate for analyzing economic impacts of marine reserves.

Specific Findings and Recommendations

- Finding 5: Existing economic data are limited in their geographic specificity and are therefore inadequate to analyze the impacts (both positive and negative) of Oregon marine reserves on ocean users and coastal communities. There are fundamental gaps in baseline data, spatially explicit data, recreational fishery data, coastal community economics, public valuation of marine reserves, and public valuation of other marine activities in the Territorial Sea.
- Finding 6: There is no coherent, comprehensive documentation of the spatial uses of the Territorial Sea, the value they produce, or their economic contribution to coastal communities. The absence of a pre-reserve baseline severely restricts the ability to quantify post-reserve implementation effects. Most of the existing data are on fishery uses, but these data have limited information about exact harvesting locations, ports where the catch is delivered, or residency of fishing industry workers. Spatially explicit economic data are needed for effective marine reserve implementation and for management to ameliorate adverse effects.
  - Recommendation 6.1: OPAC should highlight the inadequacy of economics data needed to support its marine reserve objective for avoiding significant adverse economic impacts on ocean users and coastal communities and for estimating the potential of positive, longterm economic impacts.
  - Recommendation 6.2: In the short term, OPAC should recommend the collection of spatially explicit economic data for specific marine reserve sites through expert opinion methods that involve ocean users and

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managers. The collected data should be crosschecked with available data and judged verifiable before being incorporated into the decision-making process.

- Recommendation 6.3: In the short term, OPAC should recommend the collection of information about likely user group and community response to spatial exclusion through surveys of affected groups. The collected data should be cross-checked with available data and judged verifiable before being incorporated into the decision-making process.
- Recommendation 6.4: As the lead agency for marine reserves, ODFW should create a Web space to host the economic information they fund, with links to other pertinent marine economic information, to enhance its circulation and application.
- Finding 7: State-level marine economics data are collected. However, the process of data collection is ad hoc, incomplete, and uncoordinated.
  - Recommendation 7.1. For the long-term economic assessment of marine reserves and other uses of the Territorial Sea, OPAC should recommend the formation of an Oregon Marine Economics Data Work Group charged with defining an ongoing core economic data collection program.
  - Recommendation 7.2. The Oregon Marine Economics Data Work Group should consider methods to involve ocean users and coastal communities in data collection, including incentive-based programs.
  - Recommendation 7.3. OPAC should recommend state funding of the core data program developed by the Oregon Marine Economics Data Work Group.
- Finding 8: Economic impacts are one element of marine reserve performance. There are opportunities to learn about economic impacts of marine reserves by investing in economic data and research.
  - Recommendation 8.1: OPAC should ensure that economic performance indicators are a component of the monitoring and periodic performance review of marine reserves. Economic and ecological monitoring should be coordinated and complementary.
  - Recommendation 8.2: OPAC should recommend that cooperative research be funded to learn from existing and ongoing studies of marine reserves on the U.S. West Coast and elsewhere, and to enhance the ability to understand and interpret economic impacts of reserve creation and operation.
- Finding 9: Economic data are also needed for the planning and analysis of other uses of Oregon's Territorial Sea, such as wave and wind energy.
  - Recommendation 9.1: OPAC should recommend that the economic data collection program to be designed by the Oregon Marine Economics Data Work Group include the full range of uses of the Oregon Territorial Sea.

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