

Update Report

Period 2/1/2013 - 1/31/2014

Project R/COCC/SS-2 - Governing Complex Environmental Commons Stakeholder Partnerships in Salmon Recovery in Washington, Oregon, and California

STUDENTS SUPPORTED

Main, Matthew, mainm2@students.wvu.edu, WWU, Dept. of Political Science, status new, field of study Political Science, no advisor, degree type BA, degree date 2014-06-01, degree completed this period No
Student Project Title none

Involvement with Sea Grant This Period research assistant

Post-Graduation Plans none

Robinson, Jocelyn, jd Robinson18@gmail.com, Washington University, School of Marine and Environmental Affairs, status cont, field of study Marine Affairs, advisor Nives Dolsak, degree type MA, degree date 2014-06-01, degree completed this period No
Student Project Title Framing of Local Newspaper Reporting Salmon or People

Involvement with Sea Grant This Period graduate student researcher; her thesis is also on the salmon recovery

Post-Graduation Plans none

Taylor, Kira, kiradanielletaylor@gmail.com, WWU, Huxley School of the Environment, status new, field of study Environmental Science, advisor Sara Singleton, degree type SM, degree date 2015-06-01, degree completed this period No
Student Project Title none

Involvement with Sea Grant This Period research assistant

Post-Graduation Plans none

Velling, Sophia, vellins@students.wvu.edu, WWU, Dept. of Political Science, status new, field of study Political Science, advisor Sara Singleton, no degree type, degree date 2014-06-01, degree completed this period No
Student Project Title none

Involvement with Sea Grant This Period research assistant

Post-Graduation Plans none

CONFERENCES / PRESENTATIONS

Pacific North West Political Science Association, public/profession presentation, 150 attendees, 2013-10-17

ADDITIONAL METRICS

K-12 Students Reached	Acres of degraded ecosystems restored as a result of Sea Grant activities
Curricula Developed	Resource Managers who use Ecosystem-Based Approaches to Management
Volunteer Hours	HACCP - Number of people with new certifications
Cumulative Clean Marina Program - certifications	

PATENTS AND ECONOMIC BENEFITS

No Benefits Reported This Period

TOOLS, TECH, AND INFORMATION SERVICES

Description	Developed	Used	Names of Managers	Number of Managers
Tool for analyzing public discourse about marine resource management, specifically salmon recovery. R/COCC/SS-2	Actual (2/1/2013 - 1/31/2014) 1	1		0
	Anticipated (2/1/2014 - 1/31/2015) 0	0		

HAZARD RESILIENCE IN COASTAL COMMUNITIES

No Communities Reported This Period

ADDITIONAL MEASURES

<u>Safe and sustainable seafood</u>	
Number of stakeholders modifying practices Actual (2/1/2013 - 1/31/2014)	Number of fishers using new techniques Actual (2/1/2013 - 1/31/2014)

Anticipated (2/1/2014 - 1/31/2015)

Anticipated (2/1/2014 - 1/31/2015)

Sustainable Coastal Development

Coastal Ecosystems

Actual (2/1/2013 - 1/31/2014)

Actual (2/1/2013 - 1/31/2014)

Anticipated (2/1/2014 - 1/31/2015)

Anticipated (2/1/2014 - 1/31/2015)

PARTNERS

Partner Name Western Washington University (WWU)

IMPACTS AND ACCOMPLISHMENTS

Title Washington Sea Grant measures critical private-sector participation in salmon-recovery discussions

Type accomplishment

Description Relevance Public discussion, collaborative management, and participation of the private sector are all key to successful salmon recovery. But current discussions are widely seen as dominated by governments and environmental groups, with much less participation by private sector interests like agriculture, power companies and real estate. Such a trend would make collaborative salmon management less effective, since public discourse frames the development of salmon recovery policies and identifies who is responsible. If the private sector is not engaged and its effects on salmon receive less public attention, it will be less motivated to join in recovery efforts. Response Washington Sea Grant-supported researchers measured stakeholder involvement in salmon-recovery discussions as reflected in newspaper coverage in two regions over a 2.5-year period. Researchers identified and examined 1,287 newspaper articles involving about 3,800 participants in the Puget Sound region and 360 articles with 1,060 participants for the Lower Columbia River. They then analyzed a random subset of those mentioned in the Puget Sound-area coverage, as well as participants who provided comments during the development of Washington's Puget Sound Action Agenda and at meetings of the Puget Sound Partnership Leadership Council. Results The analyses confirmed that the private sector's involvement in salmon recovery discussions is indeed low. Only about 20 percent of those figuring in the newspaper coverage were from the private sector. Involvement in collaborative recovery efforts was even lower, composing only 3 percent of 2,300 public comments tendered on the Puget Sound Action Agenda and 9 percent of comments at Leadership Council meetings.

Recap An exhaustive WSG-supported analysis of newspaper coverage and public comments on salmon-recovery efforts revealed extremely low participation by private interests, a significant gap in collaborative salmon management.

Comments Primary Focus Area COCC (SCD) Secondary Focus Area LME (SSSS) State Goals Assist coastal communities and marine-dependent businesses in planning and making decisions that provide local and regional economic benefits, increase resilience and foster stewardship of social, economic and natural resources (SCD Inter-relation) Support conservation and sustainable use of living marine resources through effective and responsible approaches, tools, model and information for harvesting wild and cultured stocks and preserving protected species

(SSSS Supply)

Related Partners

PUBLICATIONS

No Publications Reported This Period

OTHER DOCUMENTS

No Documents Reported This Period

LEVERAGED FUNDS

No Leveraged Funds Reported This Period

UPDATE NARRATIVE

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Governing complex environmental commons: stakeholder partnerships
in salmon recovery in Washington in Oregon (R/COCC/SS-2)

Narrative for the February 2013- January 2014 report

Activities carried out and obtained data

With the goal of identifying stakeholders involved in salmon recovery in both domains, we completed newspaper coverage analysis for all keywords in the Puget Sound Domain and for two keywords in the Lower Columbia river domain.

We completed the coding of regional newspapers in the Puget Sound region for all selected keywords (salmon, irrigat*, agriculture, dam, water quality, armoring) for period January 2010 – July 2012. Number of articles coded in each regional newspaper are presented in Table 1. The total number of articles coded for stakeholders was 1287. With the average number of 3 stakeholders identified per article, this search resulted in identification of about 3800 stakeholders.

County	Major City	Major Newspaper	Accessibility	Number of Articles Coded
Whatcom	Bellingham	Bellingham Herald	Access World News	302
Skagit	Mt. Vernon	Skagit Valley Herald	Access World News	114
Island	Coupeville	Whidbey News-Times	Access World News	97
Snohomish	Everett	The Daily Herald	Access World News	152
King	Seattle	Seattle Post-Intelligencer	Access World News	89
Pierce	Tacoma	News Tribune	Access World News	145
Thurston	Olympia	The Olympian	Access World News	129
Mason	Shelton	Shelton-Mason County Journal	Lexis Nexis	32
Kitsap	Port Orchard/Bremerton	Kitsap Sun	Access World News	227

We also completed the analysis of stakeholder participation in (a) Puget Sound Partnership Action Agenda 2010 public comments and (b) public meetings of the Puget Sound Partnership Leadership Council meetings.

We contacted other researchers who were studying stakeholder participation in Puget Sound ecosystem conservation in Puget Sound, funded by a grant from Puget Sound Partnership. We received stakeholder data from Prof. Craig Thomas who conducted a study of organizations involved in Puget Sound ecosystem management. We were, however, not given access to the data on scientific organization networks, collected for Puget Sound Partnership by Prof. Christie.

These searches resulted in identification of over 4000 stakeholders in the Puget Sound salmon recovery domain (please see Table 2). We have not, however, yet compared these lists of stakeholders, so we do not yet know the extent to which these lists overlap.

Organization	Source/database	Number of actors identified
Newspaper analysis	Own data	3800
Puget Sound Partnership	Public comments on Action Agenda 2010	60
Puget Sound Partnership	Puget Sound Partnership Leadership Council Meeting minutes	188
Puget Sound Partnership	Network Analysis of Organizations Engaged in Puget Sound Ecosystem Recovery	1107

In the Lower Columbia River salmon recovery domain, we completed the newspaper analysis for two keywords (salmon and water quality). Numbers of identified and coded articles in each regional newspaper are presented in Table 3.

State	Major City	Major Newspaper	Accessibility	Number of Articles Coded
WA	Long View	Daily News	Access World News	57
	Vancouver	Columbian	Access World News	Remain to be coded
OR	Astoria	Daily Astorian	Access World News	75
	Hood River	Hood River News	Access World News	5
	Portland	Oregonian	Access World News	219
	Portland	Willamette Week	Journal website	Remain to be coded

We also contacted other researchers who were studying stakeholder participation in salmon recovery in Columbia River. We obtained the recently published report of the study conducted by the William D. Ruckelshouse Center and Oregon Consensus.

Our own analysis of newspaper coverage and the above report resulted in identification of about 1200 stakeholders in the Lower Columbia river domain. We have not yet, however, compared these lists of stakeholders to eliminate overlapping stakeholders.

Table 4: Number of Actors in the Lower Columbia Actors		
Organization	Source/database	Number of actors identified
Newspaper analysis	Own data	1060
Ruckelshouse Center	Columbia River Basin Salmon and Steelhead; Long-Term Recovery Situation Assessment	120

Participants

In addition to the PI Nives Dolsak, the following individuals participate during this period:

- Prof. Sara Singleton, Western Washington University;
- Paid students at the Western Washington University (supervised by Prof. Sara Singleton)
 - o Kira Taylor (graduate student, environmental science)
 - o Matthew Main (undergraduate student, political science)
 - o Sophia Velling (undergraduate student, political science)
- Paid student at University of Washington (supervised by Prof. Nives Dolsak)
 - o Jocelyn Robinson (graduate student, marine affairs)
- Unpaid volunteer (supervised by Prof. Nives Dolsak)
 - o Megan Conavay (graduate student, policy studies)

Challenges

During this period, we faced both personal and organizational challenges. Nives Dolsak was assisting in care of her terminally ill parent, who died of cancer in March 2013. In addition, the uncertainty of allocation of funds for the second year of this study delayed our ability to hire appropriate research assistants. However, the no-cost extension granted by the Washington Sea Grant enabled us to obtain additional stakeholder data from other researchers in both salmon recovery domains.