

**Henry Lorenzen**  
Chair  
Oregon

**Bill Bradbury**  
Oregon

**Phil Rockefeller**  
Washington

**Tom Karier**  
Washington



## Northwest Power and Conservation Council

**W. Bill Booth**  
Vice Chair  
Idaho

**James Yost**  
Idaho

**Pat Smith**  
Montana

**Jennifer Anders**  
Montana

September 6, 2016

**TO:** Council Members

**FROM:** Erik Merrill, ISRP and ISAB Manager, and Nancy Leonard, ISAB Ex Officio

**SUBJECT:** ISRP and ISAB Member Appointments and Renewals

**PROPOSED ACTION:** Council staff asks that the Council:

1. appoint Stan Gregory to the Independent Scientific Review Panel (ISRP) for a first term of October 1, 2016 to September 30, 2019
2. renew Alec Maule's ISRP membership for a second term through September 30, 2020

Staff also asks that the Council discuss with Chairman Henry Lorenzen, in his capacity as the Council's representative on the Independent Scientific Advisory Board's (ISAB) Administrative Oversight Panel, appointment of a new ISAB member and term renewals for Alec Maule, Steve Schroder, and Carl Schwarz.

**SIGNIFICANCE:**

The eleven-member ISRP provides scientific review of Fish and Wildlife Program proposals and their results, improving program implementation and ensuring accountability. In developing these appointment and renewal recommendations, the experience and expertise of the scientists on the ISRP were considered with the goal to maintain a panel that fosters a multi-disciplinary approach and offers fresh perspectives, while preserving an institutional knowledge of independent scientific review and fish and wildlife management in the Columbia River Basin.

## **BACKGROUND**

### ***The Appointment Process***

The ISRP and ISAB appointments process follows three steps, of which the first two steps are complete and the third step is in process. First, in December 2013, the Council, NOAA Fisheries, and Columbia Basin Indian Tribes invited the region to nominate scientists to be considered for service on the ISAB and/or the ISRP. Second, the National Academy of Sciences evaluated the list of nominees based on their scientific credentials and recommended a pool of 23 candidates for potential ISRP and ISAB appointment (see the [National Academy's October 28, 2014 memo](#)<sup>1</sup>). These candidates augment an existing pool of about 60 highly qualified ISAB and ISRP nominees who were evaluated by the National Academy in 2011, 2008, and 2005. The National Academy's list of candidates is intended to be robust enough to last through several appointment processes, and thus a nominations and National Academy evaluation process was not reinitiated for this appointment. Third, from the list of recommended candidates, the ISAB Administrative Oversight Panel appoints ISAB members and the Council appoints ISRP members.

### ***Member Qualifications***

The ISAB and ISRP's governing documents call for membership to include expertise in anadromous and resident fish ecology, statistics, modeling, wildlife ecology, genetics, fisheries, fish passage/bioengineering, fish husbandry, marine ecology, geomorphology, and socio-economics. Pacific Northwest scientists with expertise in Columbia River anadromous fish and non-anadromous fish must be included. All of the scientists recommended by the National Academy of Sciences meet the criteria of membership to the ISAB and ISRP. Specifically, they have demonstrated high achievement in a relevant discipline; a strong record of scientific accomplishment documented by contribution to peer-reviewed literature or other evidence of creative scientific accomplishment; high standards of scientific integrity, independence, and objectivity; ability to forge creative solutions to complex problems; and interest in and ability to work effectively in an interdisciplinary setting. ISAB and ISRP members participate as independent scientists and are not selected to represent the views of any organization or interest group. In fact, the scientists' reputation of providing sound independent advice is an important factor considered in the screening process. In addition, all appointees must confirm their ability to commit sufficient time to effectively participate in review activities and to comply with the ISAB/ISRP conflict of interest standards for the duration of their appointment.

### ***ISRP Appointment Recommendation***

[Stan Gregory](#), Ph.D., is a Professor Emeritus of Fisheries at Oregon State University. He is an ISAB member and has served effectively as a peer review group member in an ISRP review. His work has focused on stream ecology, human influences on the

---

<sup>1</sup> The National Academy of Sciences' 2014 letter is available at <http://www.nwcouncil.org/media/7148636/members2014.pdf>

ecosystem, and restoration practices. He is an [award-winning educator](#), and his ability to communicate scientific information to the public and decision makers has proved valuable on the ISAB. For example, he recently assisted with CRITFC's Future of Our Salmon workshop on floodplain restoration. In addition, he helped develop a publicly available [framework](#) for assessing ecological conditions in the Willamette River, and his experience and expertise will be very valuable as the ISRP reviews habitat action effectiveness monitoring projects. If appointed, he will join three other joint ISAB and ISRP members. Having joint members ensures that the ISAB and ISRP provide consistent reviews and recommendations, share contextual information, and operate efficiently.

### ***ISRP Membership Renewal***

**Alec Maule**, Ph.D., is a former leader of the Ecology and Environmental Physiology Section, United States Geological Survey, Columbia River Research Laboratory. He has extensive experience conducting research, supervising research teams, and communicating findings. He has researched a broad range of topics that are critical to Columbia River Basin fish and wildlife management, including delayed mortality, fish transportation past dams, gas bubble disease, contaminants, potential climate change effects, non-native species, foodwebs, and fish diseases. His broad expertise has been valuable on the ISAB and ISRP, especially his experience with the hydrosystem and fish behavior. He served as co-lead on the review of critical uncertainties, was a key participant in the ISAB's density dependence review, and serves on both groups' executive committees.

### ***ISAB Appointment and Renewal Discussion***

As noted above, Staff also asks that the Council discuss with Chairman Henry Lorenzen, in his capacity as the Council's representative on the Independent Scientific Advisory Board's (ISAB) Administrative Oversight Panel, appointment of a new ISAB member and term renewals for Alec Maule, Steve Schroder, and Carl Schwarz. The ISAB Ex Officios are currently discussing candidates to fill an opening on the ISAB and by the Council's September 14 meeting may have identified a preferred candidate.

#### *ISAB Renewal*

**Alec Maule** - see above.

**Steve Schroder**, Ph.D., is a fisheries consultant and former Fisheries Research Scientist at the Washington Department of Fish and Wildlife. His experience ranges from developing fish marking tools, to examining juvenile salmon ecology in freshwater and estuarine areas, to studying recovery of ESA listed salmonids via habitat restoration and fish cultural methods. He has excellent knowledge of Columbia River Basin fish and wildlife recovery efforts. He has been an insightful, knowledgeable, and productive member of the ISAB and ISRP, co-leading the review of critical uncertainties and serving as ISAB Vice-chair and ISRP Chair.

**[Carl Schwarz](#)**, Ph.D., is a Professor of Statistics and Actuarial Science at Simon Fraser University, Canada. His statistical and modeling research and consulting experience

covers a wide range of topics, which has proved to be directly applicable to Columbia River Basin fish and wildlife management. His expertise in experimental design and analyzing results has been especially useful for ISRP reviews of projects that include a research, monitoring, and evaluation component. He also serves on the ISRP and was a very productive member during the critical uncertainties review.

**Tables of ISRP and ISAB Members and Terms**

<b>ISRP Member</b>	<b>Affiliation</b>	<b>Expertise</b>	<b>Term</b>
Dennis Scarnecchia	University of Idaho	Fisheries - large river	Serve until replaced
Greg Ruggerone	Natural Resource Consultants, Washington	Fisheries - ocean and freshwater salmon ecology	2019, 2 <sup>nd</sup>
David Heller	Aquatic Habitat Management and Restoration Consultant, formerly with U.S. Forest Service, Oregon	Aquatic habitat management, restoration, and monitoring	2018, 2 <sup>nd</sup>
Scott Lutz	University of Wisconsin	Wildlife	2018, 2 <sup>nd</sup>
Carl Schwarz	Simon Fraser University, Canada	Statistics and actuarial science	2018, 2 <sup>nd</sup>
Steve Schroder	Fisheries Consultant, formerly with Washington Department of Fish and Wildlife	Fisheries - artificial production, freshwater and estuarine salmon ecology	2019, 2 <sup>nd</sup>
Chris Wood	Department of Fisheries and Oceans, Canada, BC	Fisheries - genetics and ecology of salmon	2019, 2 <sup>nd</sup>
Robert Naiman	University of Washington	River ecology	2019, 2 <sup>nd</sup>
Alec Maule	Formerly with United States Geological Survey	Fisheries - physiological ecology of salmonids (mainstem fish passage)	2016, 1 <sup>st</sup> [2020, 2 <sup>nd</sup> ]
Desiree Tullos	Oregon State University	Ecohydraulics, river engineering, and restoration	2018, 1 <sup>st</sup>
Wayne Hubert	Consultant, formerly with Wyoming Cooperative Fish and Wildlife Unit, University of Wyoming	Fisheries, ecology, and habitat	2018, 1 <sup>st</sup>

<b>ISAB Member</b>	<b>Affiliation</b>	<b>Expertise</b>	<b>Term</b>
Greg Ruggerone	Natural Resource Consultants, Washington	Fisheries - ocean and freshwater salmon ecology	Serve until replaced
Kurt Fausch	Colorado State University	Fisheries - population and stream ecology	2018, 2 <sup>nd</sup>
Kate Myers	University of Washington (emeritus)	Fisheries - ocean and salmon ecology	2018, 2 <sup>nd</sup>
Laurel Saito	University of Nevada Reno	Hydrology and ecosystem modeling	2018, 2 <sup>nd</sup>
Carl Schwarz	Simon Fraser University, Canada	Statistics and actuarial science	2016, 1 <sup>st</sup> [2019, 2 <sup>nd</sup> ]
Alec Maule	Formerly with United States Geological Survey	Fisheries - physiological ecology of salmonids (mainstem fish passage)	2016, 1 <sup>st</sup> [2019, 2 <sup>nd</sup> ]
Steve Schroder	Fisheries Consultant, formerly with Washington Department of Fish and Wildlife	Fisheries - artificial production, freshwater and estuarine salmon ecology	2016, 1 <sup>st</sup> [2019, 2 <sup>nd</sup> ]
William Jaeger	Oregon State University	Economics and policy	2018, 1 <sup>st</sup>
Cynthia Jones	Old Dominion University	Biometrics, fisheries and population dynamics	2018, 1 <sup>st</sup>
Thomas Turner	University of New Mexico	Fisheries - genetics	2018, 1 <sup>st</sup>
Stan Gregory	Oregon State University, emeritus	Fisheries, ecology, and habitat	2019, 1 <sup>st</sup>