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August 26, 2015

### MEMORANDUM

**TO: Council members**

**FROM: Erik Merrill, ISRP and ISAB Coordinator, Jim Ruff, ISAB Ex Officio**

**SUBJECT: ISRP Member Term Renewals**

### PROPOSED ACTION

We ask that the Council approve the second terms for seven members of the Independent Scientific Review Panel (ISRP):

- David Heller, Scott Lutz, and Carl Schwarz from October 1, 2015 through September 30, 2018
- Greg Ruggerone, Steve Schroder, Chris Wood, and Robert Naiman from October 1, 2015 through September 30, 2019

The term durations are staggered so the ISRP does not lose a significant portion of its experienced members in one year (see the table of current ISRP members below).

### BACKGROUND

The Council alone makes ISRP membership decisions. ISAB member appointments and term renewals are decided by the Council chair, the science director of NOAA-Fisheries Northwest Fisheries Science Center (in consultation with the NOAA Fisheries regional administrator), and a representative of the Columbia River Indian Tribes<sup>1</sup>. ISAB and ISRP members are eligible for two consecutive three-year terms with adjustments in term duration to ensure continuity. All ISRP members being considered for term

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<sup>1</sup> At this time, the executive director of the Columbia River Inter-Tribal Fish Commission serves as the representative for the Tribes.

renewals have been active, effective, and extremely valuable members. Each member provides unique expertise, making the ISRP an effective multi-disciplinary that is able to address the Fish and Wildlife Program's many scientific mitigation, restoration, recovery, and research issues.

#### *Three-year Second Terms*

**David Heller**, M.S., is an expert in aquatic resource management and restoration. He is a retired Pacific Northwest Regional Fish Program Leader, U.S. Forest Service. Among many accomplishments at the Forest Service, he managed the development of a comprehensive Fish and Aquatic Resource Program for 17 National Forests, in Oregon and Washington. His expertise, experience, and institutional knowledge of the Columbia Basin has been especially valuable in ISRP reviews of habitat restoration projects and the development of a regional habitat restoration effectiveness monitoring plan.

**[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 ISAB and has been a very productive member during the research uncertainties review.

**[Scott Lutz](#)**, Ph.D., is an Associate Professor at the Department of Forest and Wildlife Ecology, University of Wisconsin, Madison. He is a wildlife ecologist with work focused on game and non-game birds. With his wildlife and terrestrial habitat expertise, he complements the fish and aquatic habitat specialists on the ISRP in the review of habitat protection and restoration projects. His expertise and experience with the last Wildlife Category Review will be especially needed for the upcoming review of wildlife projects in 2016.

#### *Four-year Second Terms*

**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 ISRP, leading the final review of the Lower Snake River Compensation Plan. He is also an ISAB member.

**Chris Wood**, Ph.D., is a former Research Scientist at the Pacific Biological Station, Department of Fisheries and Oceans, Canada and an expert in genetics and ecology of Pacific salmon and other marine fish. In addition to completing his first ISRP term, he served two full terms on the ISAB. His knowledge of salmon genetics and population ecology has proved especially applicable to reviews concerning wild and hatchery fish interactions and recovery planning. In addition, he has developed a comprehensive

understanding of the Fish and Wildlife Program, participating in the ISRP's Category and Geographic reviews and leading the ISAB review of the 2009 Fish and Wildlife Program. He has served on the ISAB and ISRP executive committees.

[Robert Naiman](#), Ph.D., is an expert in river ecology and a professor emeritus of aquatic and fishery sciences at the University of Washington. He is completing his final term on the ISAB this September and was a major contributor to the ISAB, serving as Chair for the past two years. He was the lead author on the ISAB Food Web Report and was a major contributor to the ISAB's Landscape-Scale Restoration Report, 2009 Fish and Wildlife Program Review, and Density Dependence Report. In addition, his knowledge of relationships between aquatic, riparian, and terrestrial habitats has filled a critical need on the ISRP. His term renewal will ensure the ISRP can cover the wide array of ecosystem restoration and mitigation efforts in the Fish and Wildlife Program.

[Greg Ruggerone](#), Ph.D., is a fisheries scientist for Natural Resources Consultants, and a former affiliated research scientist with the Alaska Salmon Program at the School of Fisheries, University of Washington. He has investigated population dynamics, ecology, and management of salmon in Alaska and the Pacific Northwest. He has significantly contributed to all ISAB and ISRP assignments during his terms, serving as ISRP Chair since 2013 and is selected as upcoming ISAB chair for 2016. Of note, he led the ISAB's density dependence review and has presented findings from the report throughout the Columbia Basin. In addition, as ocean expertise is specifically called for in ISRP membership, both Greg and Chris Wood fill this need.

## TABLE OF CURRENT ISRP MEMBERS

| ISRP Member           | Affiliation   | Expertise   | Term                        |
|-----------------------|---|---|-----------------------------|
| Dennis Scarnecchia    | University of Idaho   | Fisheries - large river   | 2016, 2 <sup>nd</sup>       |
| <i>Greg Ruggerone</i> | <i>Natural Resource Consultants, Washington</i>   | <i>Fisheries - ocean and freshwater salmon ecology</i>                            | <i>2015, 1<sup>st</sup></i> |
| <i>David Heller</i>   | <i>Aquatic Habitat Management and Restoration Consultant, formerly with U.S. Forest Service, Oregon</i> | <i>Aquatic habitat management, restoration, and monitoring</i>                    | <i>2015, 1<sup>st</sup></i> |
| <i>Scott Lutz</i>     | <i>University of Wisconsin</i>  | <i>Wildlife</i>   | <i>2015, 1<sup>st</sup></i> |
| <i>Steve Schroder</i> | <i>Fisheries Consultant, formerly with Washington Department of Fish and Wildlife</i>                   | <i>Fisheries - artificial production, freshwater and estuarine salmon ecology</i> | <i>2015, 1<sup>st</sup></i> |
| <i>Carl Schwarz</i>   | <i>Simon Fraser University, Canada</i>  | <i>Statistics and actuarial science</i>   | <i>2015, 1<sup>st</sup></i> |
| <i>Chris Wood</i>     | <i>Department of Fisheries and Oceans, Canada, BC</i>   | <i>Fisheries - genetics and ecology of salmon</i>                                 | <i>2015, 1<sup>st</sup></i> |
| <i>Robert Naiman</i>  | <i>University of Washington</i>   | <i>River ecology</i>  | <i>2015, 1<sup>st</sup></i> |
| Alec Maule            | Formerly with United States Geological Survey   | Fisheries - physiological ecology of salmonids (mainstem fish passage)            | 2016, 1 <sup>st</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>       |