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Washington

**Tom Karier**  
Washington

**Melinda S. Eden**  
Oregon

**Joan M. Dukes**  
Oregon

August 5, 2010

## MEMORANDUM

**TO:** Fish and Wildlife Committee

**FROM:** Nancy Leonard, Fish, Wildlife, Ecosystem Monitoring and Evaluation Manager

**SUBJECT:** Update on the Anadromous Salmonid Monitoring Strategy (ASMS) Document

Nancy Leonard (NPCC) and Dave Ward (CBFWA) will present an update on the Anadromous Salmonid Monitoring Strategy (ASMS) status and next steps.

The ASMS was developed during 2009 and 2010 as part of a regional collaboration (also referred to as the Skamania workshops):

*to develop an efficient and effective framework and project specific implementation strategy for anadromous salmon and steelhead monitoring for viable salmonid population criteria, as well as a subset of the habitat and hatchery effectiveness monitoring needed for the Federal Columbia River Power System Biological Opinion.*

The ASMS meets the monitoring needs of Columbia River Basin Fish & Wildlife Program, ESA Recovery Plans, the Federal Columbia River Power System Biological Opinion (BiOp), and federal, state, and tribal fish and wildlife programs for these three monitoring components. The ASMS also identifies monitoring gaps, prioritizes the gaps, makes recommendations to address these priority gaps, and prioritizes the list of monitoring projects.

Conveners of the ASMS workshops and the participants involved in the development of the ASMS are listed in Attachment 1. Those participants denoted with an ‘\*’ were involved in the subgroup tasked with preparing the draft ASMS.

**Attachment 1: Columbia Basin Coordinated Anadromous Salmonid Monitoring Strategy  
(ASMS) - Regional Workshop Participant List**

**Definitions:**

Executive Representative – senior agency official with policy decision making authority – should attend workshop *at least* at beginning and end, may attend throughout if appropriate.

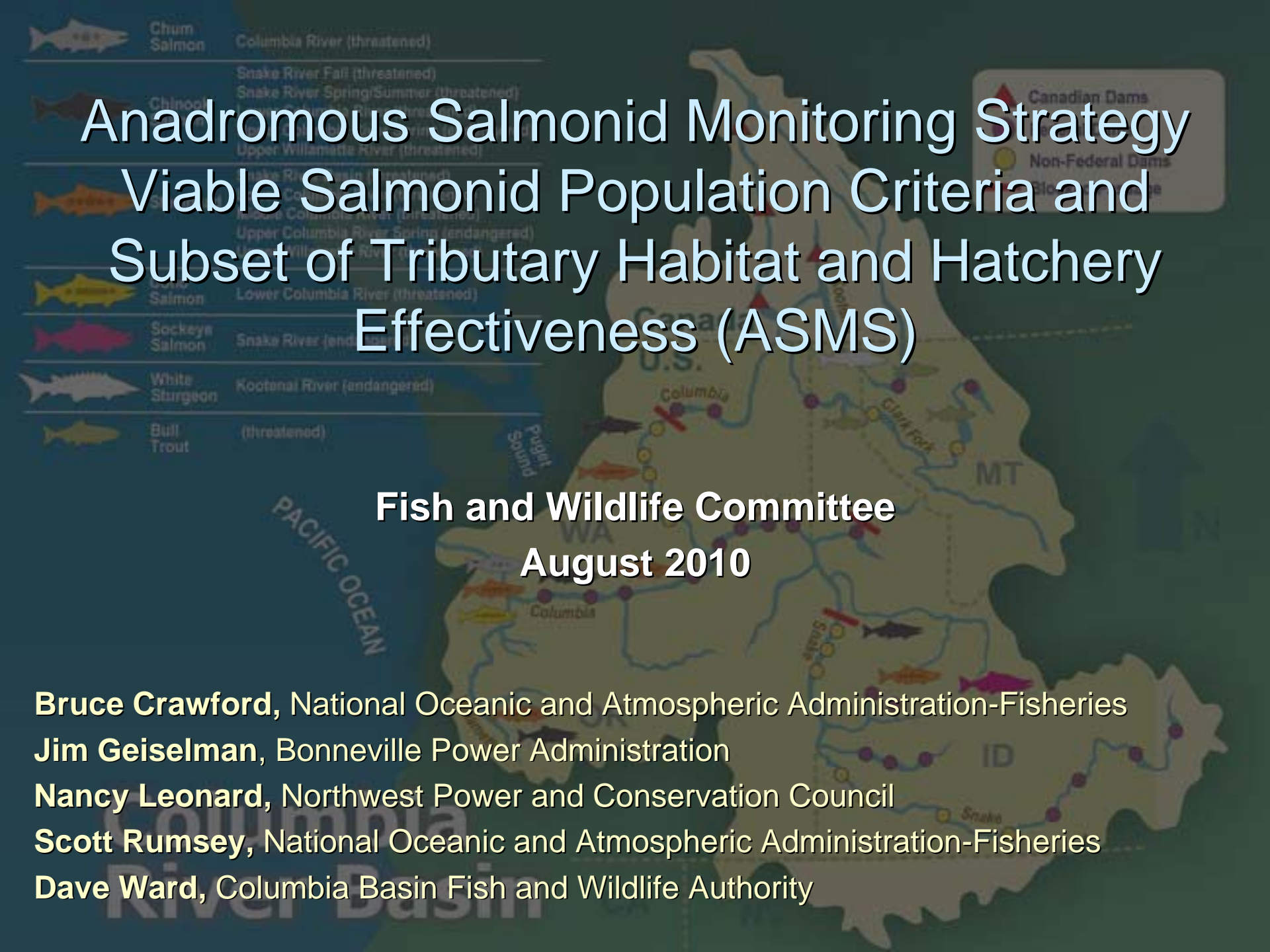
Lead Representative – Senior/mid-level agency representative with region-wide perspective/knowledge – technically grounded, policy aware – will represent agency throughout the workshop.

Support/Resource Representatives – agency personnel with technical and/or sub-regional expertise – will attend workshop as needed as resource to Executive and Lead representative.

Asterisk ‘\*’ – denotes the 12 participants of the small workgroup tasked with preparing the draft Anadromous Salmonid Monitoring Strategy.

Organization	Executive Representative	Lead Representative	Support/Resource Representatives	Interest
<b>Convening Agencies</b>				
BPA	Greg Delwich Bill Maslen	Jim Geiselman*	Tracy Hillman (VSP, Habitat) Chuck Peven (Hatchery) Russell Scranton	Convener
CBFWA	Brian Lipscomb	Ken McDonald	Dave Ward*	Convener
NOAA	Barry Thom	Scott Rumsey*	Bruce Crawford* Robert Walton	Convener
NPCC	Tony Grover	Nancy Leonard*	Peter Paquet Jim Ruff (Mainstem, LC, Estuary)	Convener
NPCC-C	Dick Wallace	Chris Drivdahl*		Convener
<b>State Co-Managers</b>				
IDFG	Ed Shriever	Pete Hassemeir	Alan Byrne*, Bill Shrader Charlie Petrosky	State-ID
ODFW	Bruce McIntosh Tony Nigro	Tom Rein*	Rich Carmichael Jeff Rogers	State-OR
OWEB	Sue Knapp Greg Sieglitz			State-OR
WDFW	Guy Norman Bill Tweit	Erik Neatherlin*	Dan Rawding (1) Casey Baldwin & Mark Shuck (2)	State-WA

<b>Organization</b>	<b>Executive Representative</b>	<b>Lead Representative</b>	<b>Support/Resource Representatives</b>	<b>Interest</b>
Washington State	Bob Nichols Bill Wilkinson	Steve Leider Ken Dzimbai		State-WA
SRB-LC			Jeff Breckel	State-WA
SRB-SR			Steve Martin	State-WA
SRB-Yak			Alex Conley*	State-WA
SRB-UC			Julie Morgan	State-WA
<b>Tribal Co-Managers</b>				
Colville	Joe Peone	John Arterburn		Tribal
Nez Perce	Dave Johnson	Jay Hesse*		Tribal
Shoshone-Bannock	Claudio Bronco	Doug Taki Hunter Osborn	Lytle Denny*	Tribal
Umatilla	Gary James	Gene Shippentower		Tribal
Warm Springs	Elmer Ward	Brad Houslet		Tribal
Yakama	Paul Ward	Dave Fast Steve Parker	Keely Murdoch Bill Bosch	Tribal
<b>Other Entities</b>				
ISRP	Eric Loudenslager ( <i>Observer</i> )	Richard Aldridge ( <i>Observer</i> )	Erik Merrill Robert Bilby Peter Bisson Dennis Scarnecchia ( <i>All Observers</i> )	Other
PNAMP		Jennifer Bayer ( <i>Observer</i> )		Other
USFWS	Dan Diggs	Mark Bagdovitz		Federal
USFS		Linda Ulmer		Federal
USACE	Rock Peters			Federal
BOR	Kate Puckett	Michael Newsom		Federal



The background features a map of the Columbia River Basin, showing the river's path from the Pacific Ocean through Washington, Oregon, and Idaho. The map includes labels for various river segments and dams. A legend in the top right corner identifies red triangles as 'Canadian Dams' and yellow circles as 'Non-Federal Dams'. Small fish icons are placed along the river to represent different salmonid populations. A table on the left side of the map lists these populations and their conservation status.

Species	Population	Status
Chum Salmon	Columbia River	(threatened)
Chinook Salmon	Snake River Fall	(threatened)
	Snake River Spring/Summer	(threatened)
	Upper Willamette River	(threatened)
Steelhead	Snake River	(threatened)
	Lower Columbia River	(threatened)
Sockeye Salmon	Upper Columbia River Spring	(endangered)
	Snake River	(endangered)
White Sturgeon	Kootenai River	(endangered)
Bull Trout		(threatened)

# Anadromous Salmonid Monitoring Strategy Viable Salmonid Population Criteria and Subset of Tributary Habitat and Hatchery Effectiveness (ASMS)

**Fish and Wildlife Committee  
August 2010**

**Bruce Crawford**, National Oceanic and Atmospheric Administration-Fisheries

**Jim Geiselman**, Bonneville Power Administration

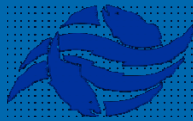
**Nancy Leonard**, Northwest Power and Conservation Council

**Scott Rumsey**, National Oceanic and Atmospheric Administration-Fisheries

**Dave Ward**, Columbia Basin Fish and Wildlife Authority

# Anadromous Salmonid Monitoring Strategy (ASMS) Organizing and Participating Entities

- Convener and participating entities: BPA, CBFWA, NOAA, NPCC
- Participating entities: IDFG, ODFW, WDFW, WA Monitoring Forum, WA Salmon Recovery Office, WA Salmon Recovery Boards, Colville Tribe, Nez Perce Tribe, Shoshone-Bannock Tribe, Umatilla Tribe, Warm Springs Tribe, Yakama Tribe, CRITFC, USFWS, USFS, USACE, BOR, BLM
- Observing entities: ISRP, ISAB, PNAMP



Northwest  
Power and  
Conservation  
Council



*Many  
Others*



Yakama Tribe





# ASMS Developmental Process

- 2008-present AA/NOAA/NPCC BiOp RM&E Workgroup
  - Preliminary Gap Assessment and Recommendations Report (June 2009)
- Aug.- Sept. 2009: 5 sub regional workshops
  - Upper, Lower, Mid (WA and OR) Columbia River and Snake River
  - Technical agency personal with sub-regional expertise
  - Per ESU/DPS design monitoring for
    - Viable Salmonid Population criteria, FCRPS BiOp habitat and hatchery effectiveness
    - Assess gaps and discuss strategies to fill gaps
- Sideboard
  - Meet legal obligations (e.g., ESA, Power Act)
  - Consistent with NPCC F&W Program
  - Meets AA/NOAA/NPCC BiOp RM&E Workgroup report (June 2009)
  - Respect Accord agreements
  - NOAA monitoring guidance
  - Ad Hoc Supplementation Work Group recommendations
  - Coordination with main-stem hydro (tagging) & harvest monitoring

# ASMS Developmental Process

- Oct.-Nov. 2009 – 2 regional workshops in Skamania, WA
- Desired outcome
  - An efficient and effective framework
  - Project specific implementation strategy for anadromous salmon and steelhead monitoring for VSP, BiOp Habitat & Hatchery Effectiveness
  - Meets needs of Fish & Wildlife Program, ESA Recovery Plans, FCRPS BiOp, fish and wildlife programs of federal, state, and tribal
  - Prioritized gaps and recommendations
  - Prioritized project list



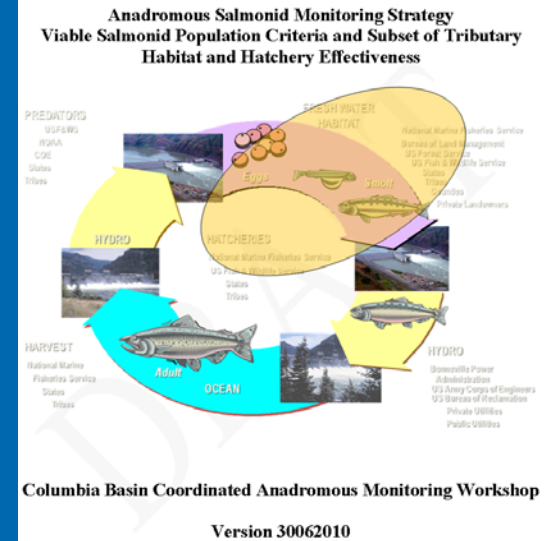
# ASMS Developmental Process

- Subgroup convened to write draft ASMS developed during workshop
  - **Alan Byrne** (IDFG), **Alex Conley** (Salmon Recovery Board-WA),
  - **Bruce Crawford** (NOAA-Fisheries), **Lytle Denny** (Shoshone Bannock Tribes),
  - **Chris Drivdahl** (NPCC-WA), **Jim Geiselman** (BPA),
  - **Jay Hesse** (Nez Perce Tribe), **Nancy Leonard** (NPCC),
  - **Erik Neatherlin** (WDFW), **Tom Rien** (ODFW),
  - **Scott Rumsey** (NOAA-Fisheries), **Dave Ward** (CBFWA)
- Multiple iteration of draft ASMS from Nov 2009 - June 2010



# Content of Draft ASMS

- Sect 1: Background / need for ASMS
- Sect 2: Guidance documents consulted
- Sect 3: Approach used – divided into ESU/DPS per 4 subregions
- Sect 4: General guidance for study design & quality standards
- Sect 5: Rationale guiding monitoring decisions per sub-region
- Sect 6: Basinwide strategy implementation tables (Appendix F)
- Sect 7: Conclusion
- Sect 8: Appendices
  - Appendix A-D: four sub-regional monitoring strategies
  - Appendix E: populations with “fish in/fish out” and habitat monitoring
  - Appendix F: projects, gaps, strategy’s basinwide funding prioritization



# ASMS

## Where we are and Next Steps

- Letter to ISAB/ISRP requesting review sent July 16, 2010
  - Letter to ISAB/ISRP: [www.nwcouncil.org/fw/merr/anad.htm](http://www.nwcouncil.org/fw/merr/anad.htm)
  - Draft ASMS and implementation tables: [www.cbfwa.org/ams](http://www.cbfwa.org/ams)
- Revise ASMS per ISAB/ISRP review
- Consider for MERR Anadromous Fish Implementation Strategy
- Numerous ongoing RM&E Coordination, such as
  - Hatchery RM&E Technical Workgroup Process and HGMP - NOAA
  - Data Management - PNAMP, CBFWA, NPCC, BPA, CRITFC
  - Fish Habitat Action Effectiveness Metrics - PNAMP
  - Fish Habitat Status and Trend Metrics - PNAMP, NOAA
  - Tributary Habitat Monitoring Approach - ISEMP, BPA
  - Comprehensive Tagging and Marking Plan - AA, NOAA, CBFWA, NPCC
  - Tributary Habitat Action Effects & Climate Change Modeling -NOAA,AA
  - Project Implementation & Post-Implementation Monitoring -BPA,NOAA,  
PNAMP

# Status of MERR Plan's Implementation Strategies

## Other Sub-Components

### **Anadromous Fish Implementation Strategy**

- White Sturgeon Monitoring Implementation Strategy
  - Combine sub-regional strategies into basinwide strategy by end of 2010.
- Lamprey Monitoring Strategy
  - Lamprey Technical Workgroup will review USFWS lamprey conservation draft document (July/August 2010) for suitability.

### **Resident Fish Implementation Strategy**

- Bull Trout Monitoring Implementation Strategy
  - work begins this Fall. Complete within 12-months
- Other trout (Cutthroat and Rainbow subspecies) Monitoring Implementation Strategy
  - work begins this Fall. Complete for Blocked Area/Resident Fish Cat. Rev.
- Reservoir Fish Monitoring Implementation Strategy
  - work begins this Fall. Complete for Blocked Area/Resident Fish Cat. Rev.

### **Wildlife Implementation Strategy**

- Wildlife Monitoring Implementation Strategy
  - development is under way. Complete for Geographic Cat. Rev.

A cartoon illustration of a fish jumping out of the water. The fish is black and white, with its mouth open as if speaking. A white speech bubble with a black outline is positioned above the fish's head, containing the text "Questions?". The background is a solid blue color with several concentric white circles representing ripples in the water.

Questions?