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March 5, 2019

**MEMORANDUM**

**TO: Council Members**

**FROM: Tony Grover**

**SUBJECT: Remarks by Scott Armentrout, Vice President of Environment, Fish and Wildlife, Bonneville Power Administration**

Scott will share his vision for the Program as the new EFW Vice President, and as someone who is collaborating with the Administrator, other business lines within Bonneville Power Administration, and key stakeholders to do what's best for the region in these changing times.

# Managing fish and wildlife in a changing world



Scott Armentrout, Vice President, Environment, Fish and Wildlife  
Bonneville Power Administration  
March 2019



# Legal overview of BPA's F&W mitigation program

<p><b>Pacific Northwest Electric Power Planning and Conservation Act</b></p>	<ul style="list-style-type: none"> <li>• Protect, mitigate, and enhance fish and wildlife, including related spawning grounds and habitat, on the Columbia River and its tributaries</li> <li>• Equitable treatment of F&amp;W with other purposes</li> <li>• Consistency with the Columbia Basin F&amp;W program</li> </ul>
<p><b>Endangered Species Act</b></p>	<ul style="list-style-type: none"> <li>• Avoiding jeopardy to listed fish and wildlife</li> <li>• Avoiding adverse modification of critical habitat</li> <li>• Biological opinions</li> </ul>
<p><b>Tribal treaty and trust responsibilities</b></p>	<ul style="list-style-type: none"> <li>• The right to take fish at usual and accustomed places</li> <li>• Government to government consultations</li> </ul>
<p><b>Clean Water Act</b></p>	<ul style="list-style-type: none"> <li>• Comply with applicable water quality standards, to the extent practicable</li> </ul>
<p><b>National Environmental Policy Act</b></p>	<ul style="list-style-type: none"> <li>• Assess major federal actions that may significantly affect the environment</li> </ul>
<p><b>National Historic Preservation Act</b></p>	<ul style="list-style-type: none"> <li>• Assess federal undertakings that may adversely affect historic and cultural resources</li> </ul>

B O N N E V I L L E P O W E R A D M I N I S T R A T I O N



Delivering on our public responsibilities through a commercially successful business

BPA 2018–2023  
Strategic Plan

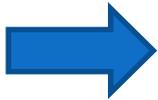


# Excerpt from the EFW operational plan

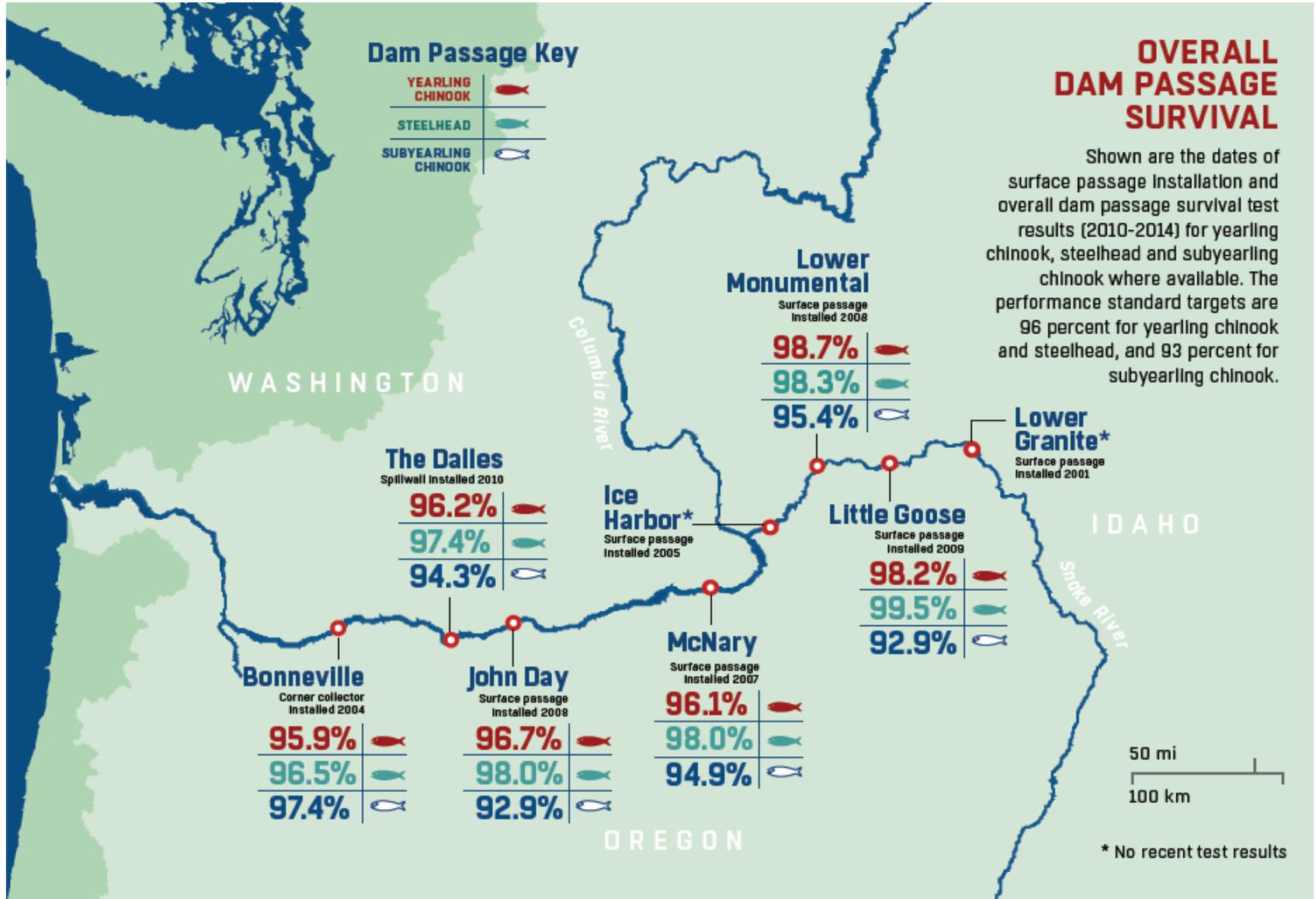


## FY 2019 Environment, Fish, & Wildlife Program Plan

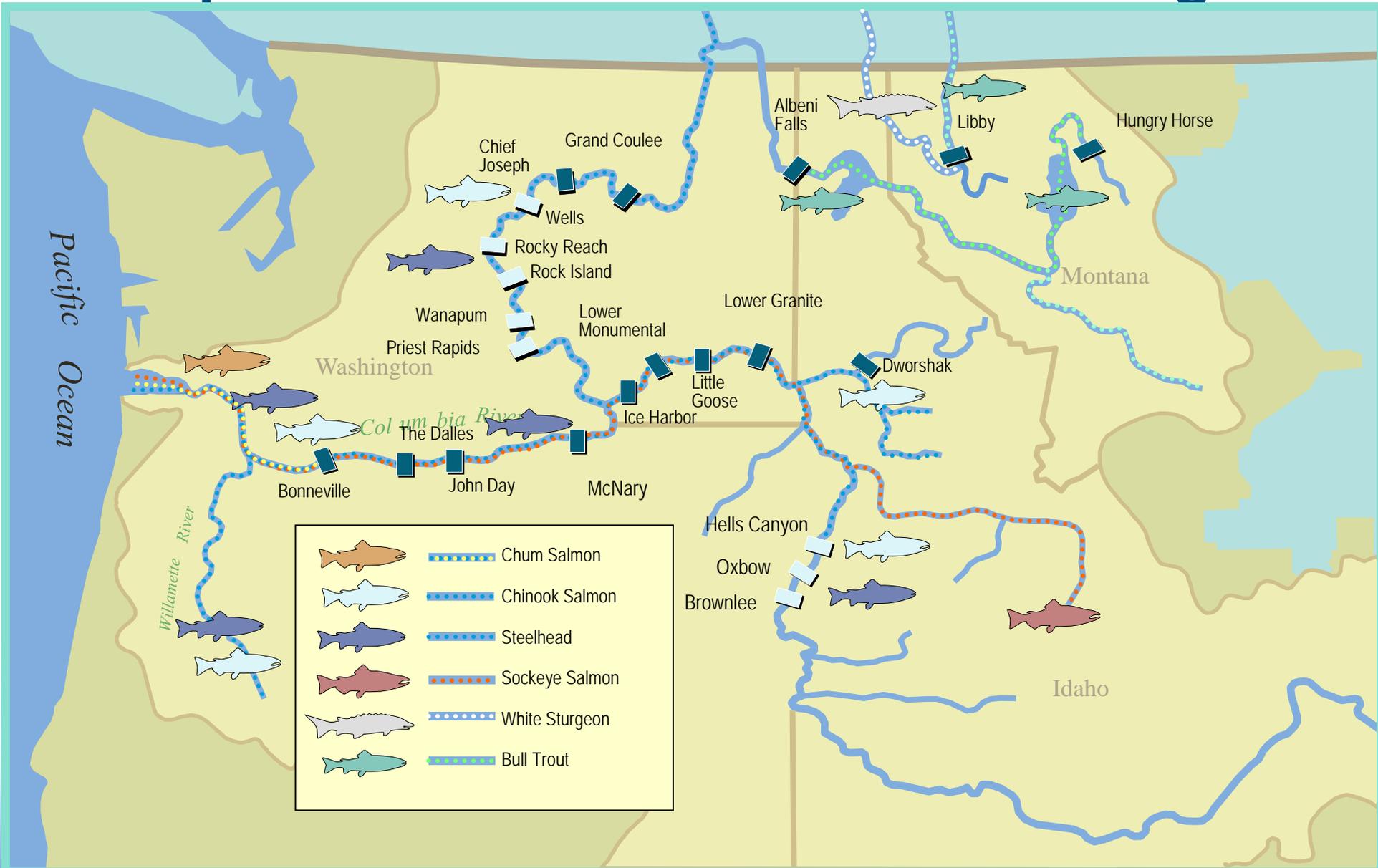
Measure Description	Q1 Target	Q2 Target	Q3 Target	EOY Target
<p><b>EFW Agency target B:</b>  <b>Support completion and implementation of a new USFWS BiOp, and a NOAA Columbia River System BiOp, including Accords commitments.</b></p> <p>This measure aligns with BPA’s strategic objective 1a, to improve cost-management discipline and objective 3c, to prioritize fish and wildlife investments based on biological effectiveness and mitigation for FCRPS impacts; and manage fish and wildlife program costs at or below inflation, inclusive of new obligations and commitments.</p> <p>Each element of the target below has its own implementation objectives and work plan which, when implemented successfully, will turn the target green.</p> <p><i>*If Court proceedings change the assumptions and ability to implement the following actions, the measure will be green if the BPA fish policy managers agree.</i></p>				
Green	BPA is meeting its milestones in supporting completion and implementation of a new USFWS BiOp, NOAA CRS BiOp, and Accords commitments	BPA is meeting its milestones in supporting completion and implementation of a new USFWS BiOp, NOAA CRS BiOp, and Accords commitments	BPA is meeting its milestones in supporting completion and implementation of a new USFWS BiOp, NOAA CRS BiOp, and Accords commitments	BPA is meeting its milestones in supporting completion and implementation of a new USFWS BiOp, NOAA CRS BiOp, and Accords commitments



# Optimizing fish passage through dams



# Footprint of BPA Fish and Wildlife Program





... Jacket A Rule to Live By!

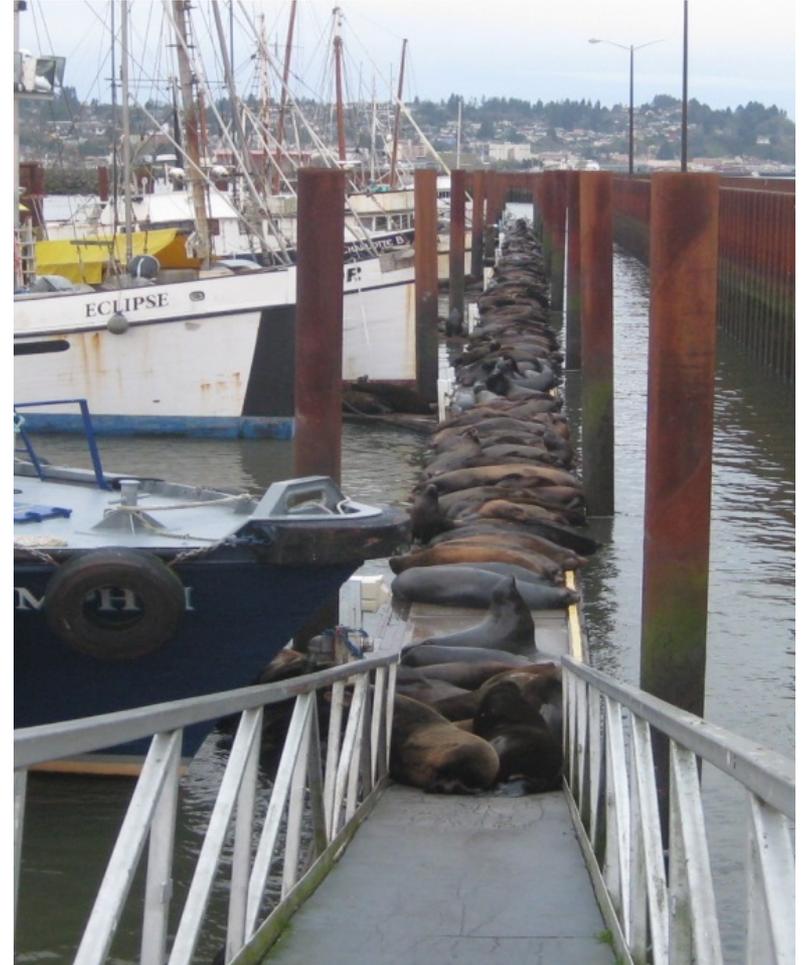
# Current issues

- ESA Biological Opinions
- Proposals for increased spill and dam breaching
- CRSO EIS and system operation alternatives and tradeoffs
- Columbia River Treaty renegotiation
- Implementing Fish Accord extensions



# Current issues

- Adapting to climate change
- Ocean conditions
- Predator management (sea lions, avian, fish)



# Questions?

