

Science, Service, Stewardship



Snake River Recovery Planning

Snake River Coordination Group Meeting
August 4, 2010

**NOAA
FISHERIES
SERVICE**

NOAA



Topics

Overview of NOAA Recovery Planning

- Recovery planning approaches in PNW
- Role of TRT products
- Recovery goals and delisting criteria
- Recovery scenarios and priorities
- Treatment of climate and ocean effects
- Snake River sockeye and fall chinook
- Snake River Coordination Group

ESA Salmon and Steelhead Recovery Planning Domains in Northwest Region

Puget Sound

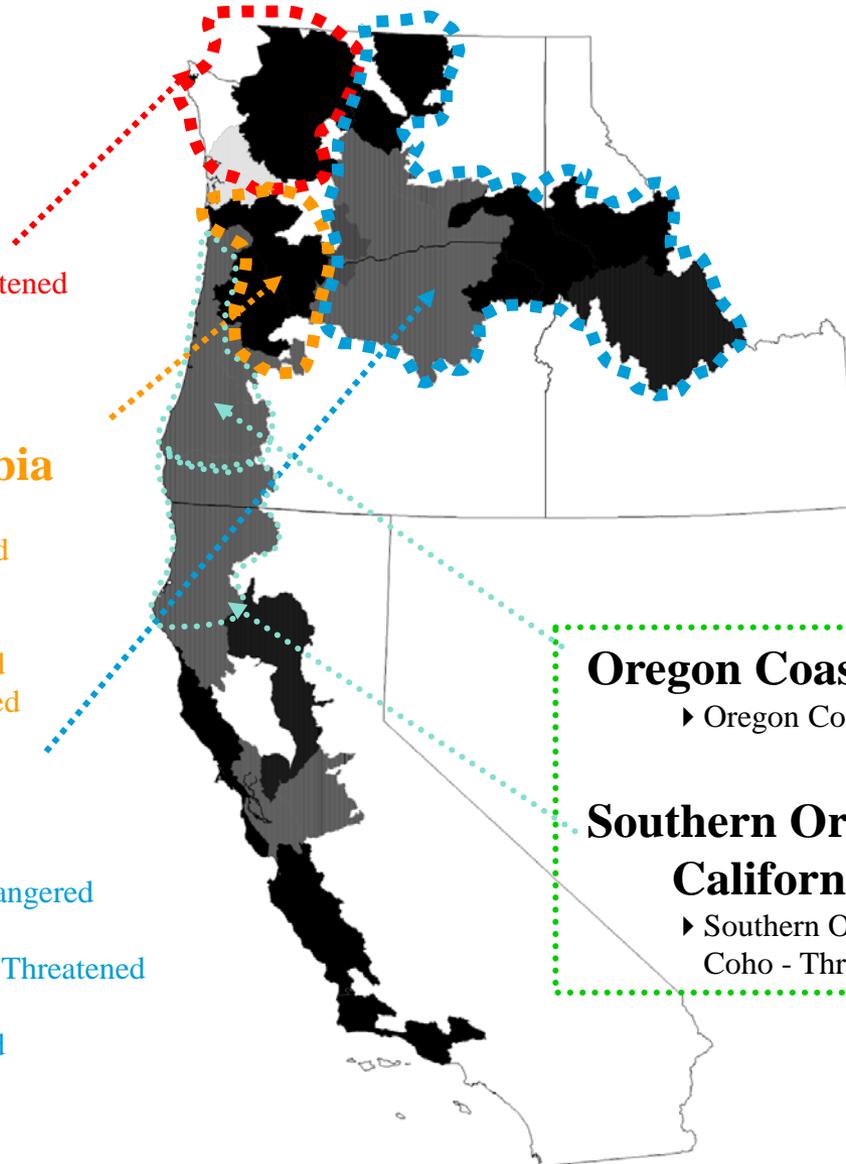
- ▶ Puget Sound Chinook - Threatened
- ▶ Hood Canal Summer-run Chum - Threatened
- ▶ Lake Ozette Sockeye – Threatened
- ▶ Puget Sound Steelhead - Threatened

Willamette/Lower Columbia

- ▶ Lower Columbia Chinook - Threatened
- ▶ Lower Columbia Steelhead - Threatened
- ▶ Lower Columbia Coho - Candidate
- ▶ Columbia River Chum - Threatened
- ▶ Upper Willamette Chinook - Threatened
- ▶ Upper Willamette Steelhead - Threatened

Interior Columbia Basin

- ▶ Snake River Sockeye – Endangered
- ▶ Upper Columbia Spring Chinook - Endangered
- ▶ Snake River Fall Chinook - Threatened
- ▶ Snake River Spring/Summer Chinook - Threatened
- ▶ Snake River Steelhead – Threatened
- ▶ Upper Columbia Steelhead - Threatened
- ▶ Mid-Columbia Steelhead - Threatened



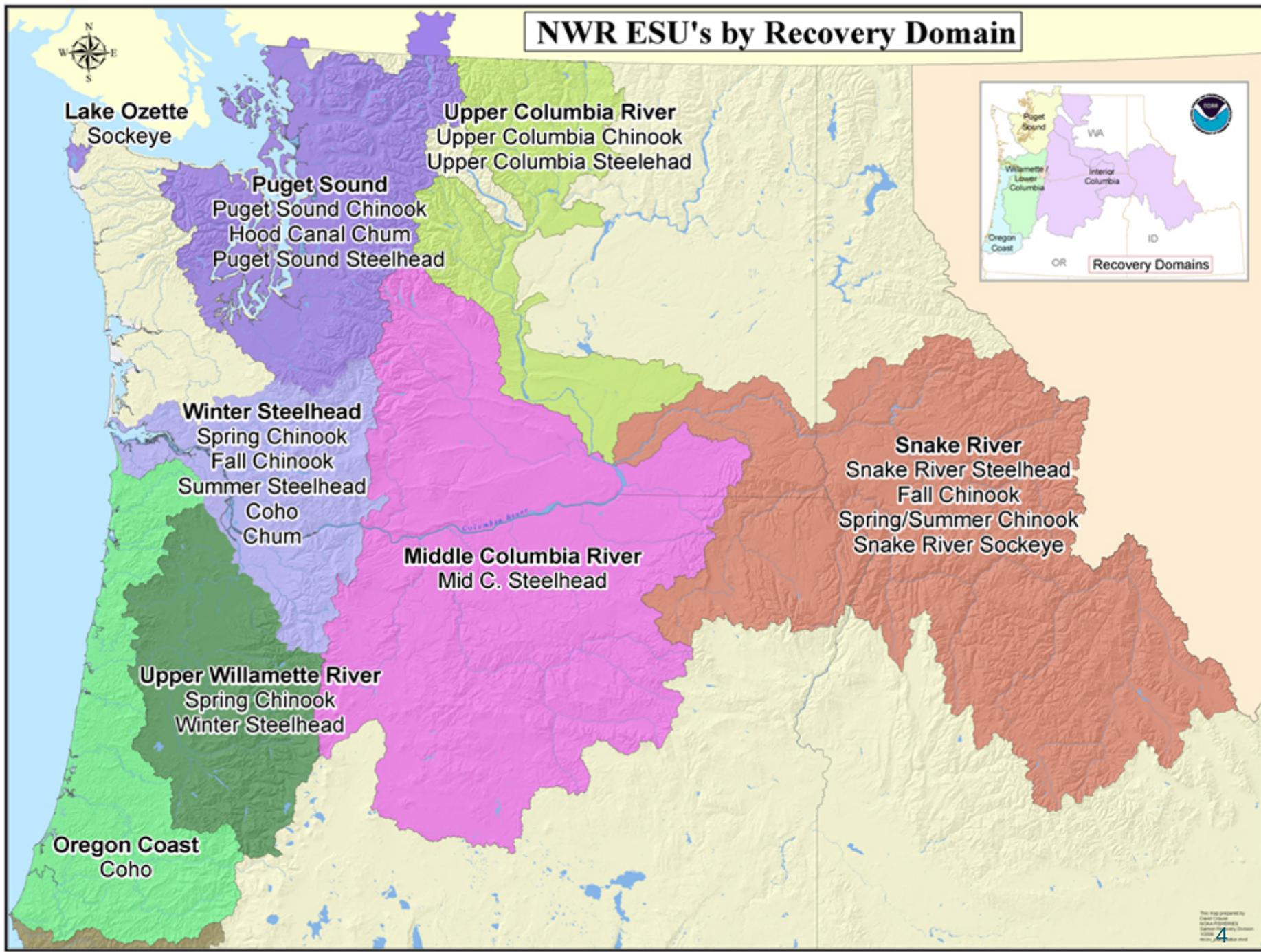
Oregon Coast Coho

- ▶ Oregon Coast Coho – Threatened

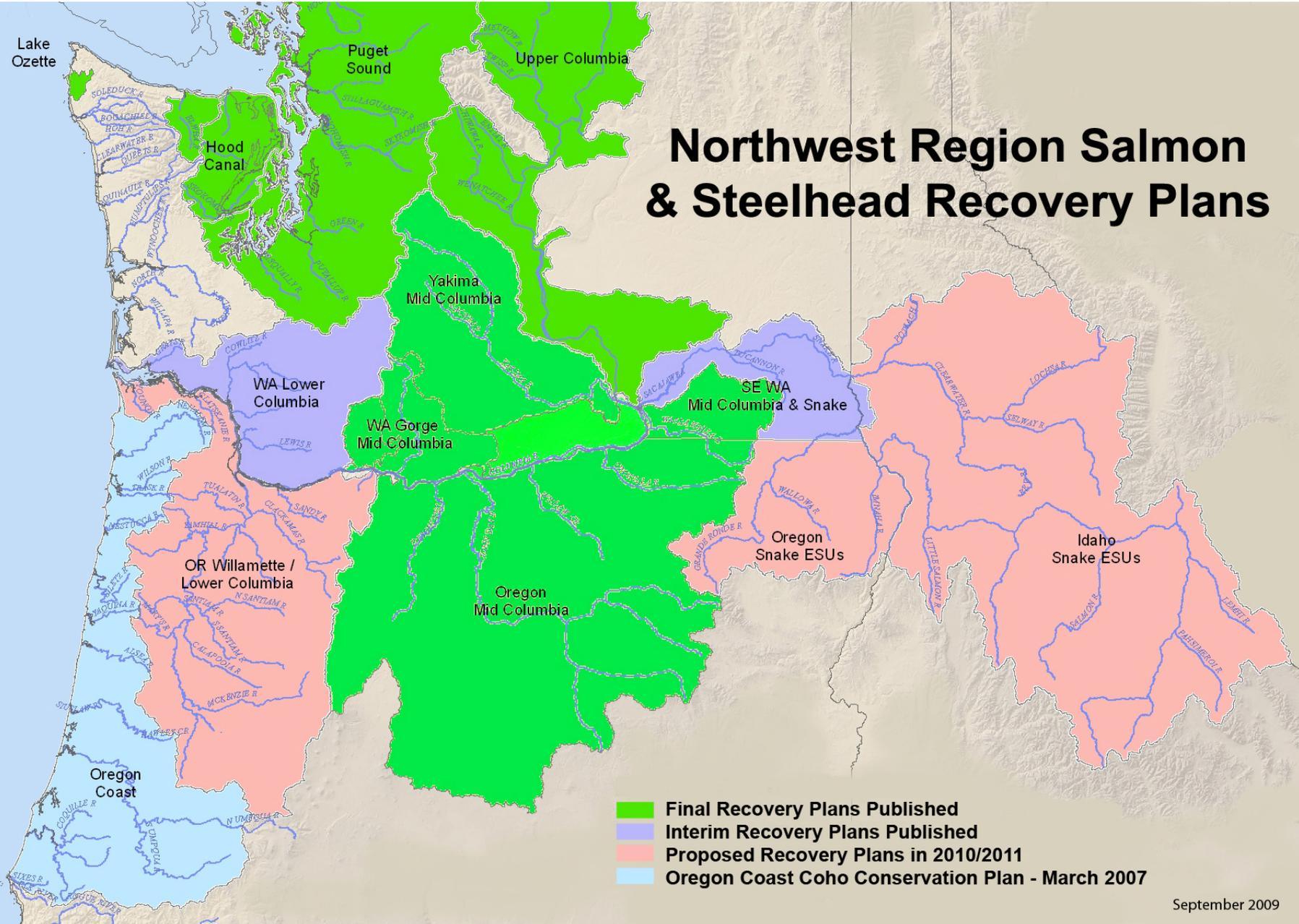
Southern Oregon/Northern California Coastal Coho

- ▶ Southern OR/Northern CA Coasts Coho - Threatened

NWR ESU's by Recovery Domain



Northwest Region Salmon & Steelhead Recovery Plans



- Final Recovery Plans Published
- Interim Recovery Plans Published
- Proposed Recovery Plans in 2010/2011
- Oregon Coast Coho Conservation Plan - March 2007

September 2009



Snake River Recovery Plan

- Role of TRT products
- Recovery goals and delisting criteria
- Anticipated recovery scenarios and priorities
- Snake River sockeye and fall Chinook
- Treatment of climate and ocean effects



Using TRT Products



Interior Columbia TRT Members

- Casey Baldwin (WDFW)
- Rich Carmichael (ODFW)
- Tom Cooney (NMFS)
- Peter Hassemer (IDFG)
- Phil Howell (USFS)
- Michelle McClure (NMFS)
- Dale McCullough (CRITFC)
- Charlie Petrosky (IDFG)
- Howard Schaller (USFWS)
- Paul Spruell (U Montana)
- Fred Utter (UW)



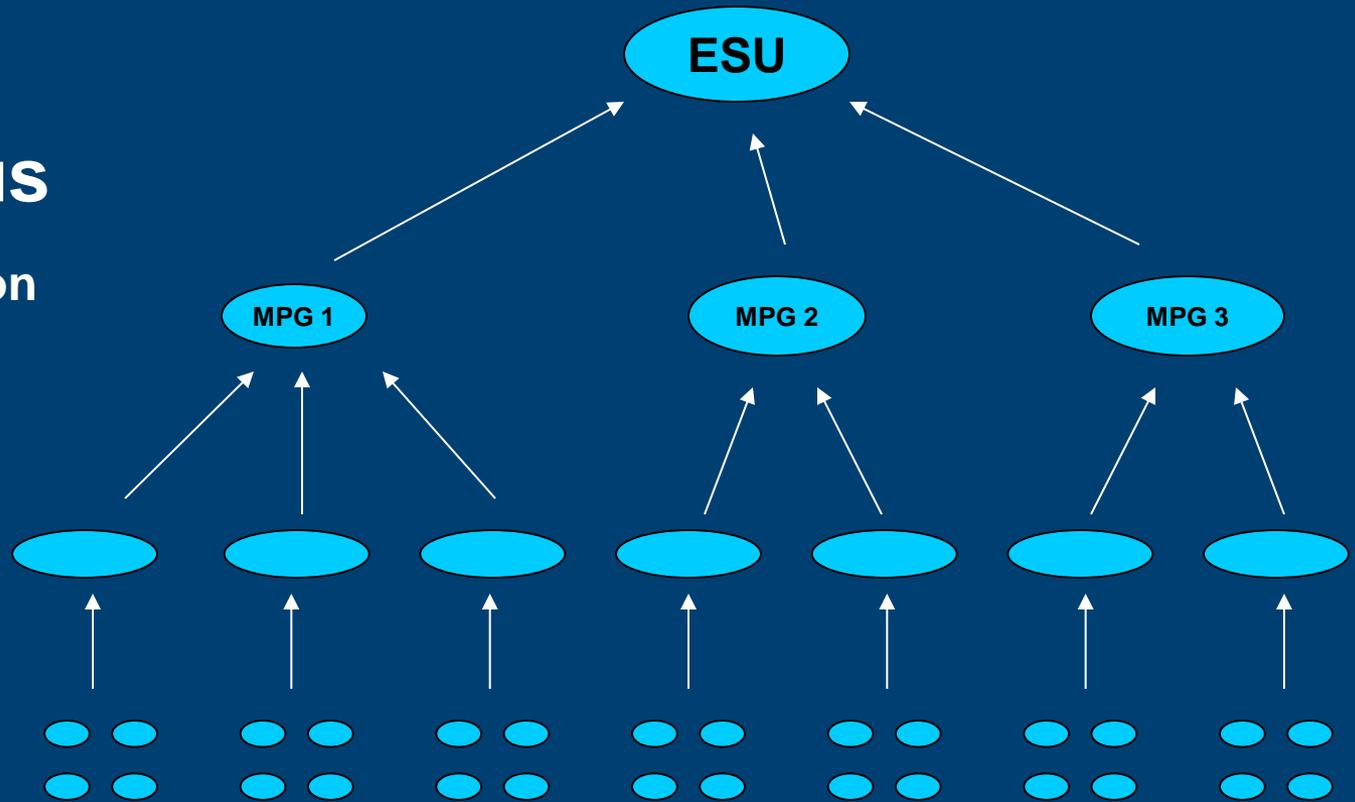
TRT Viability Criteria

ESU Status

Major Population Group Status

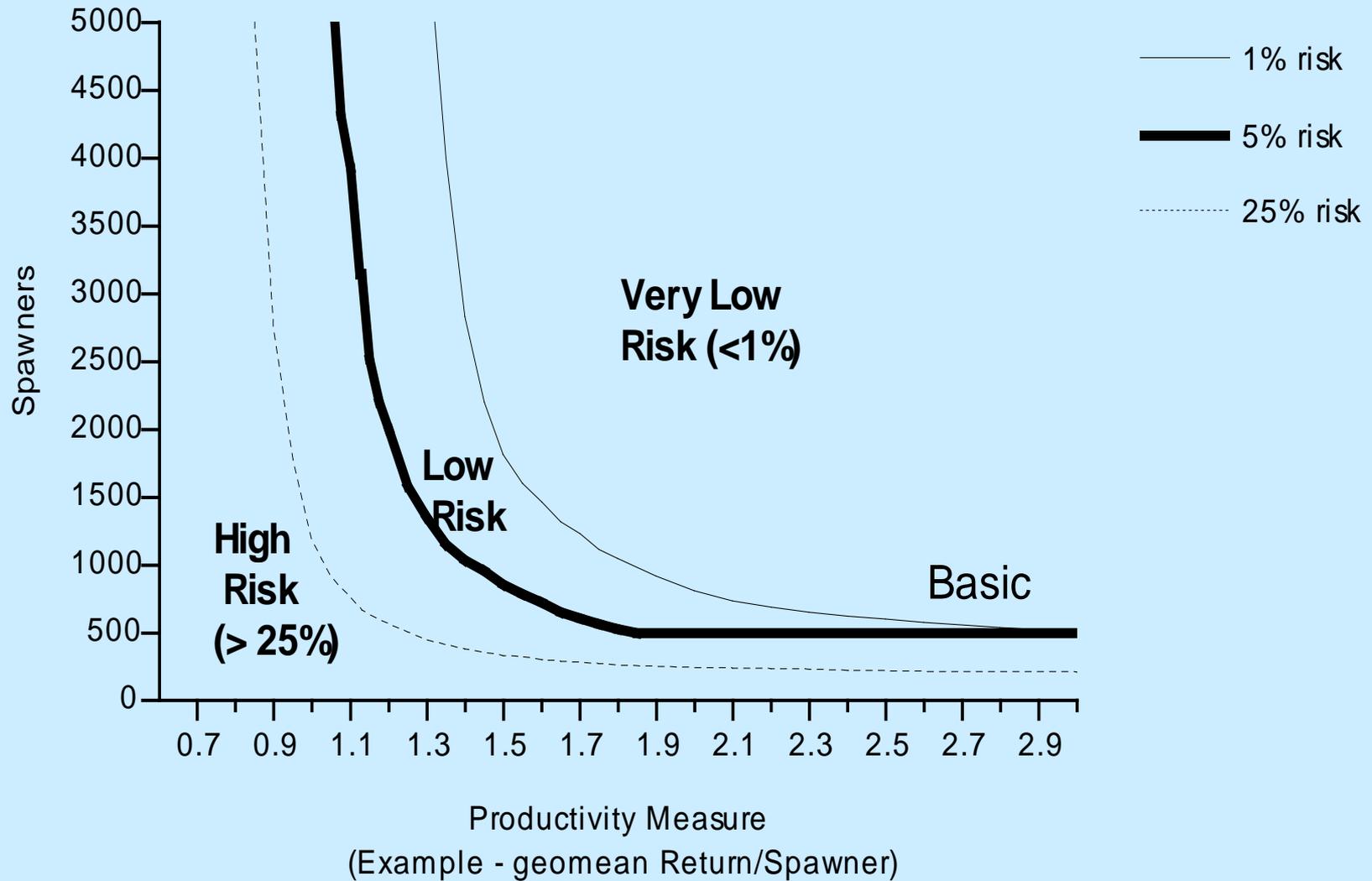
Pop Status

Pop Attributes

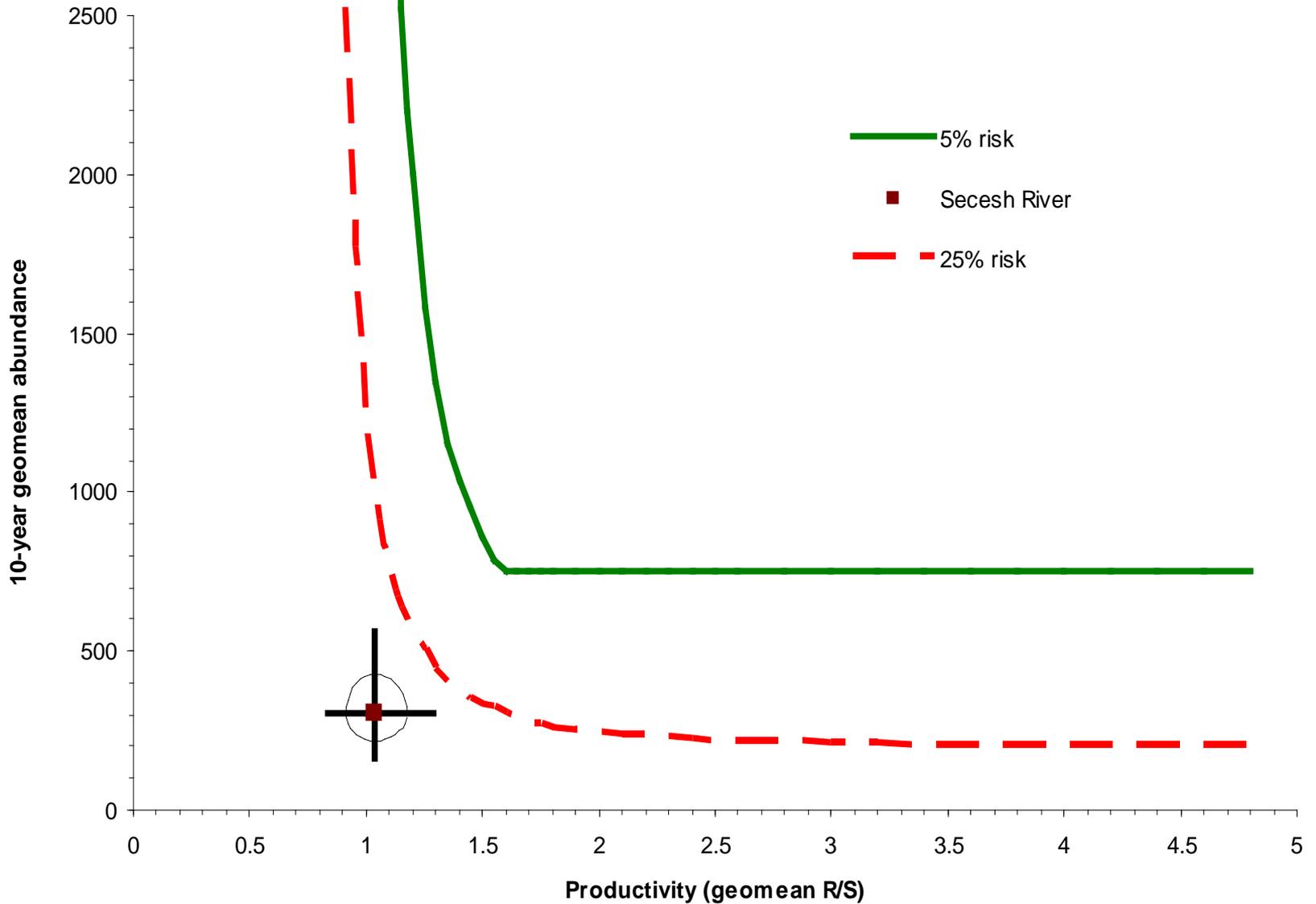


Abundance, Productivity, Spatial Structure, Diversity

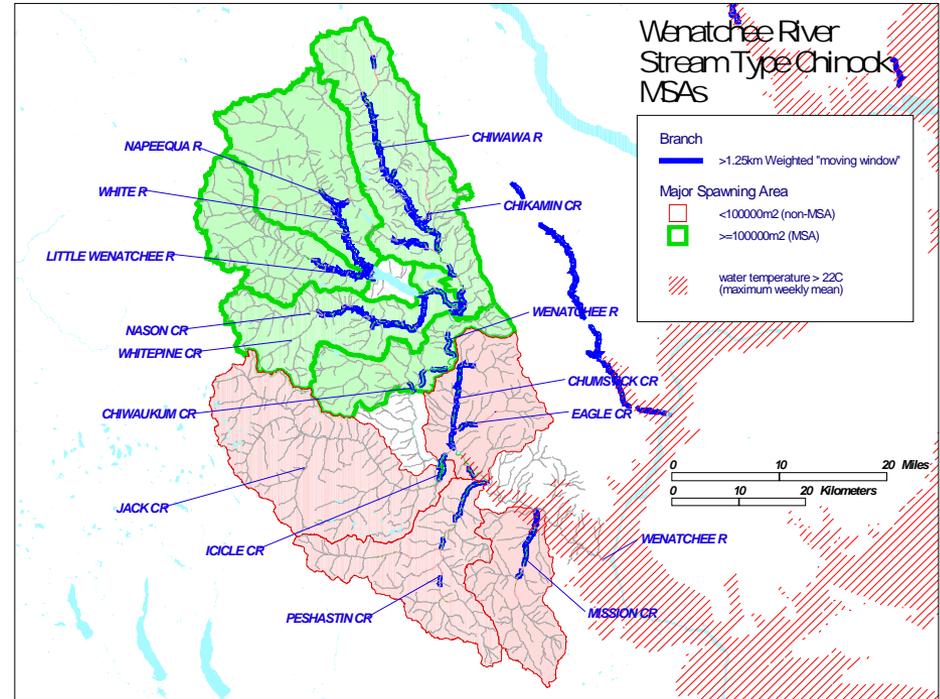
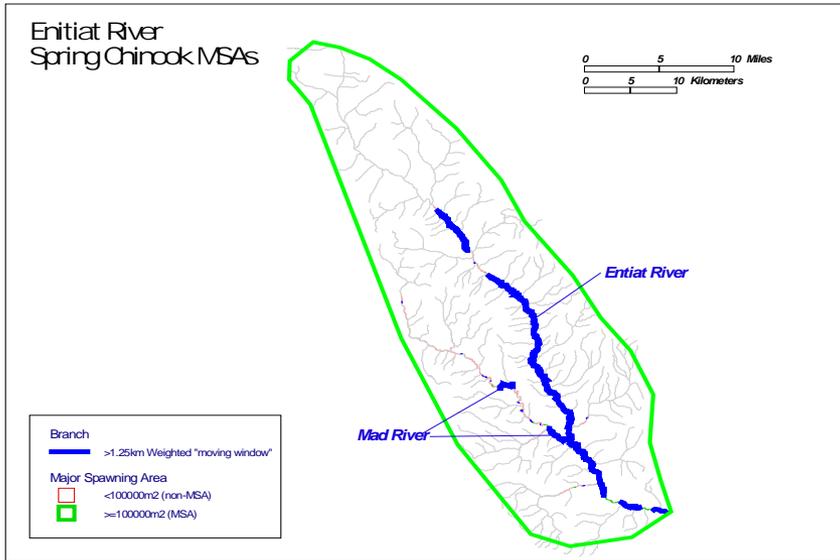
Example Viability Curve



ESU Snake River Chinook – Secesh River Current Status
Dataset adjusted for marine survival and delimited at 563 spawners
Population estimates shown against a Hockey-Stick viability curve



Range in size, complexity



Assessing Population Viability: Integrating Across VSP Criteria

SS/D rating

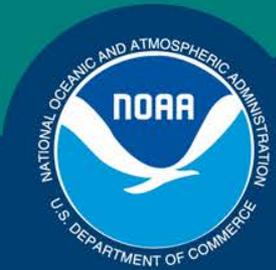
		Very Low	Low	Moderate	High
A/P rating	Very Low (<1%)	<i>highly viable</i>			<i>maintained</i>
	Low (<5%)		<i>viable</i>		
	Moderate (<25%)			<i>maintained</i>	
	High				<i>high risk</i>



Desired Status: ESU-level Viability

- All Major Population Groups (MPGs) within the ESU are viable.

Technical recommendation from ICTRT.



Desired Status: MPG-level

An MPG is Viable when:

- Two or one-half (whichever is greater) of the populations in the MPG are viable, and
- All major life history strategies present in the MPG are represented within the viable populations in the MPG, and
- Population size classes are represented in the group of viable populations in direct proportion to the distribution of population size classes in the MPG, and
- All other populations are maintained.



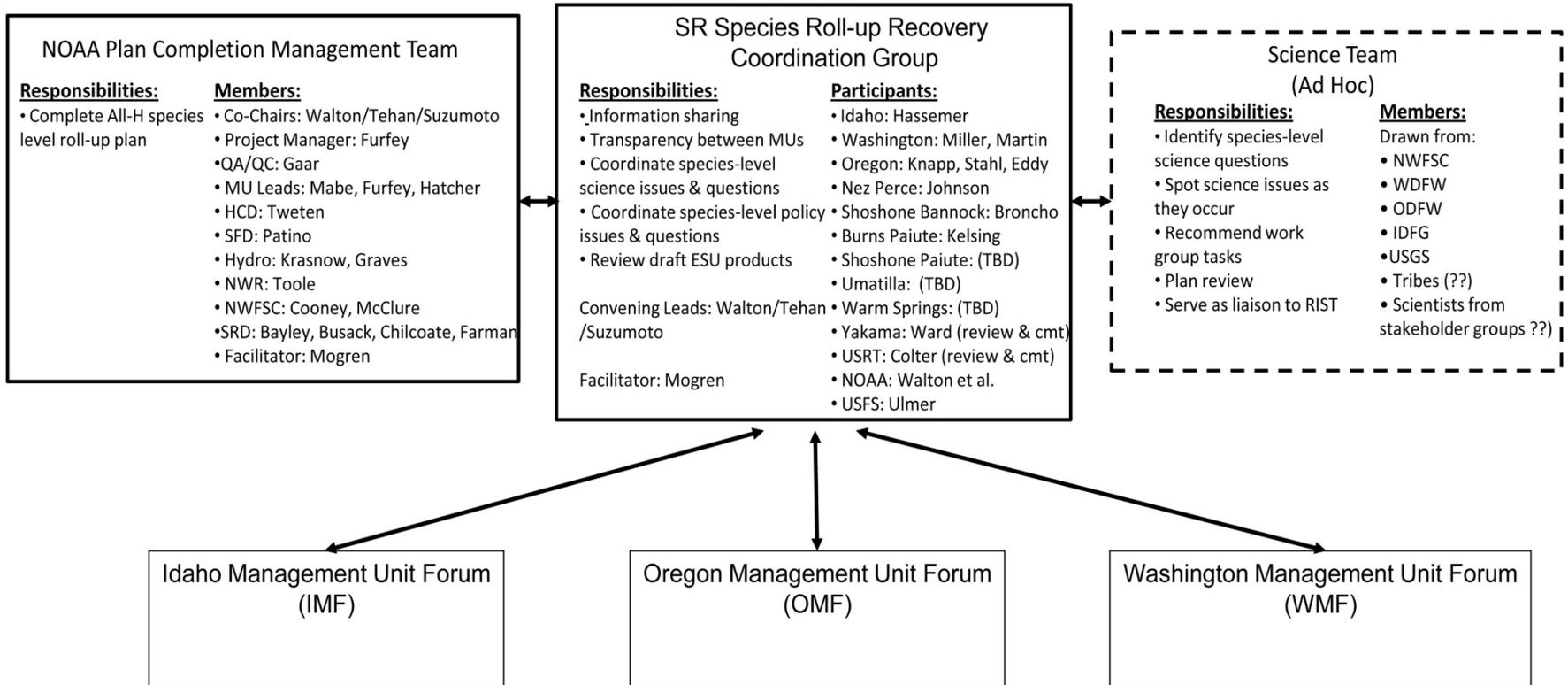
Snake River Roll-Up Coordination Group

NMFS' goals for roll-up coordination and outreach:

- Parties are informed about progress, public review opportunities, status of the Recovery Plan, participate and provide technical review;
- A critical mass of relevant parties supports the final recovery plans and implementation; and
- NMFS will provide a process to discuss issues and guide parties where to address issues and questions.

Snake River Recovery Plan

DRAFT Coordination and Completion Structure



As of April 13, 2010

LEGEND:
 ↔ Coordination & information sharing