The Collaborative, Systemwide Monitoring and Evaluation Project (CSMEP)

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D. Fast, B. Bosch Yakima Nation

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C. Beasley, Quantitative Cons.

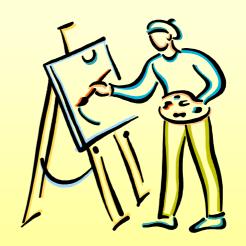
C. Paulsen, PER

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CBFWA February 23rd, Winter Members Meeting

A Sketch of CSMEP

- What are we doing?
- Why are we doing it?
- Where are we at in the process?
- Policy level input and need for coordination





CSMEP Vision

A coordinated effort to **collaboratively** improve the quality and consistency of **fish monitoring** data, and the methods used to **evaluate** these data, to answer key **questions** relevant to major **decisions** in the Columbia Basin.

CSMEP Objectives

- Collaboratively serve M&E needs of federal, state, tribal, intergovernmental entities
- Inventory, assess and make available existing fish monitoring data
- C.
- Collaboratively design improved M&E methods
 - Implement and evaluate pilot M&E approaches
 - Work towards consistent, reliable systemwide M&E

NPPC and BPA Federal Washington Salmon Caucus RME Columbia Basin **NOAA Pacific Coast** F&W Program **Recovery Fund** Program Salmon Recovery **Monitoring Program Fund Program** Oregon Water USFS and BLM **Enhancement Board** Monitoring Programs Monitoring Program **PNAMP** California NW Forest **USFWS Bull Trout Pacific NW** Plan Monitoring **RMEG Program** Program Aquatic Monitoring Tribal **EPA National and State Partnership Monitoring Level Monitoring** Programs **Programs** Lower Columbia **BOR Habitat** River Estuary Monitoring Program Program **CSMEP** UC, JD, Salmon Watershed Collaborative River, and Condition and Fish Systemwide Columbia Estuary Monitorina Monitoring and Pilot Projects; IMWs Protocols Test Evaluation

Project

Projects

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Coordination

- Different RME initiatives need consistency in goals and objectives, but distinctive work products
- Circulate and coordinate workplans
- Overlapping membership
- Joint workshops

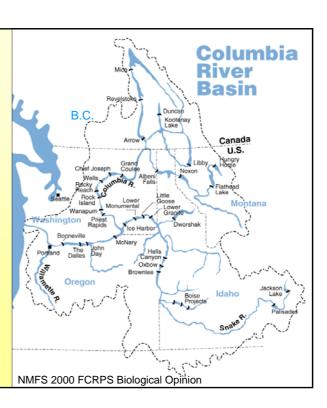
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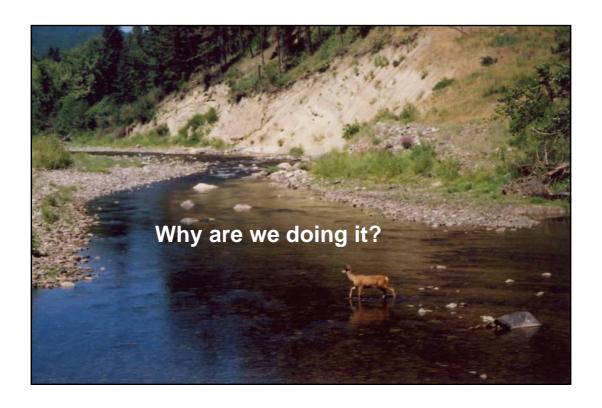
Scale:

U.S. side + Okanagan

Species:

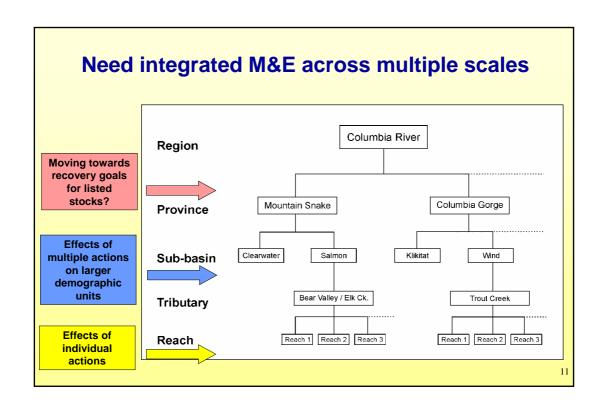
- salmon
- steelhead
- bull trout
- other resident fish of concern

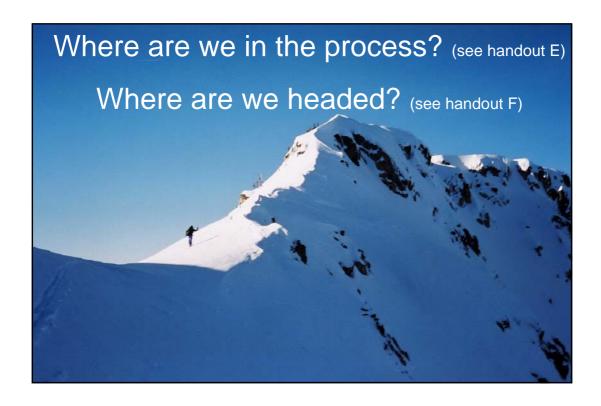


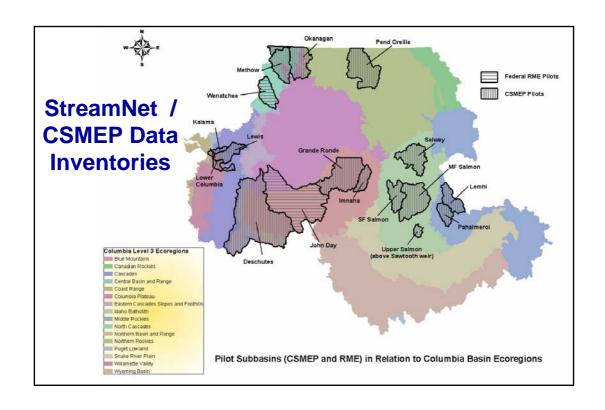


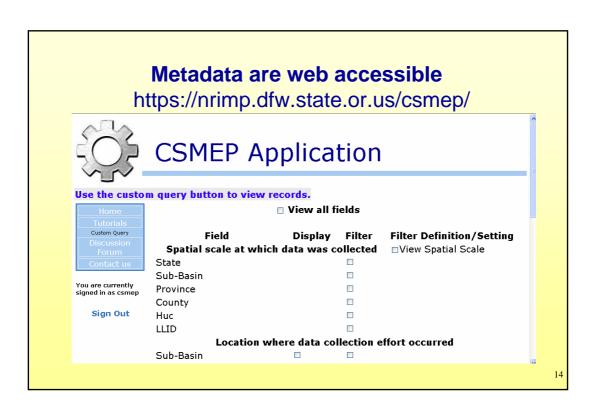
CSMEP provides a systematic way to:

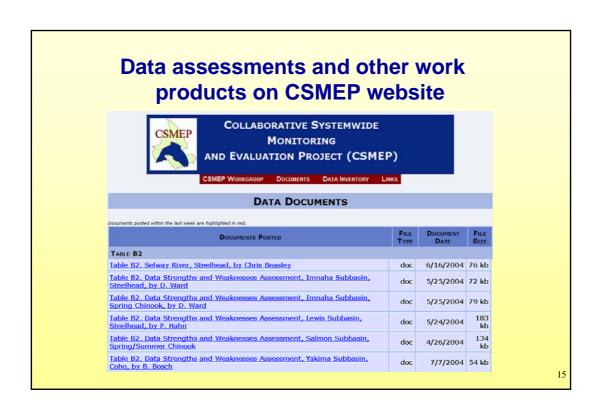
- Inventory and make available existing data
- Assess data strengths and weaknesses for making decisions
- Evaluate trade-offs of different M & E approaches (precision, cost, questions)
- Integrate M & E for Status & Trends with effectiveness monitoring (Habitat, Harvest, Hydro and Hatcheries)
- Integrate across spatial scales (project, population, subbasin, Province, ESU, Basin)
- Prioritize future M & E directions in the Basin



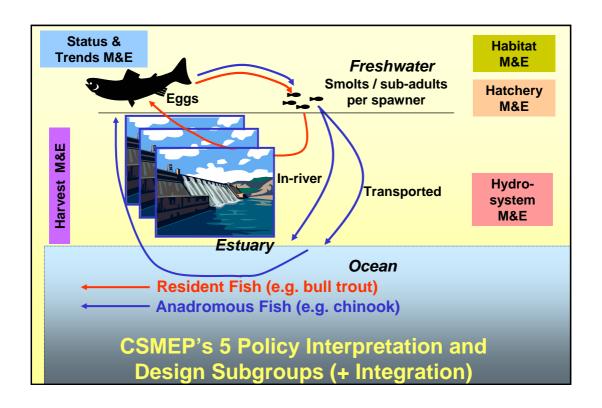


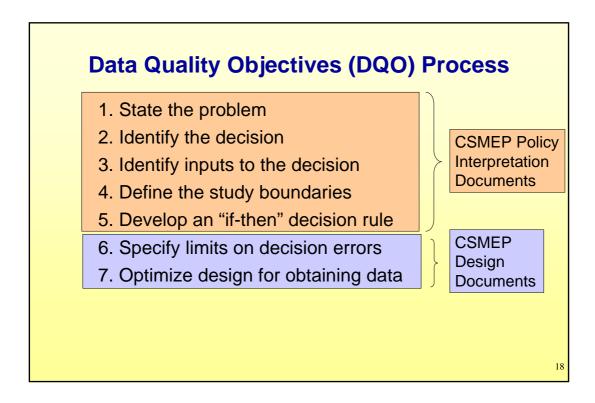


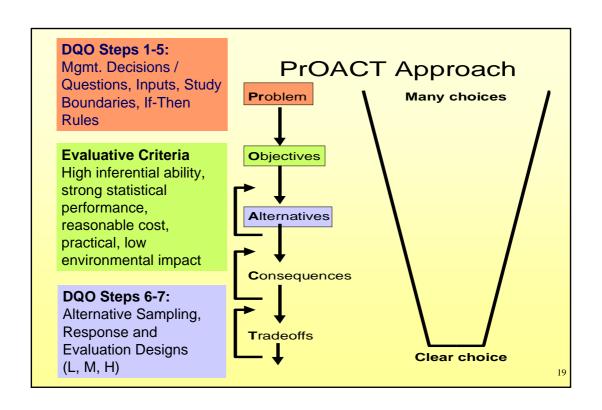


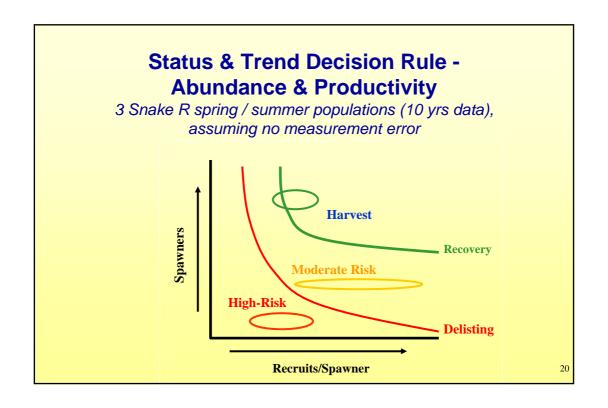


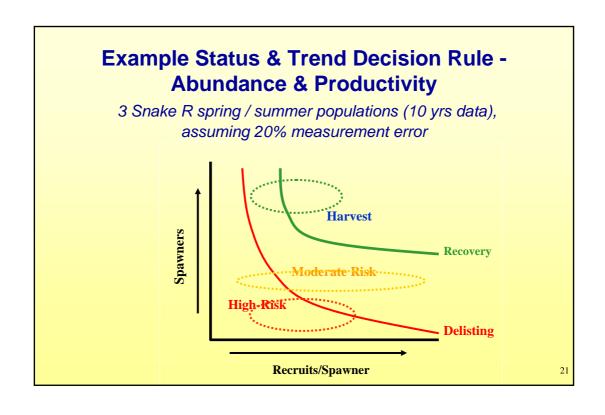


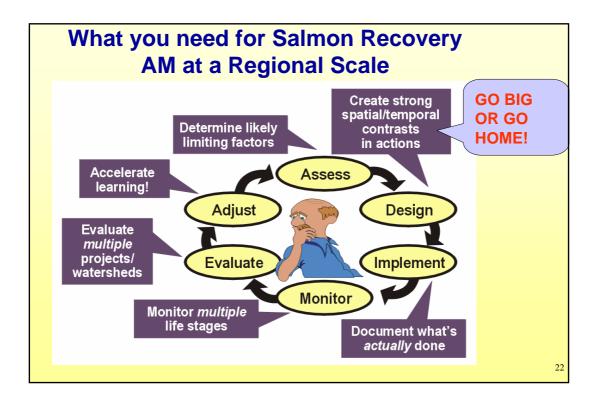


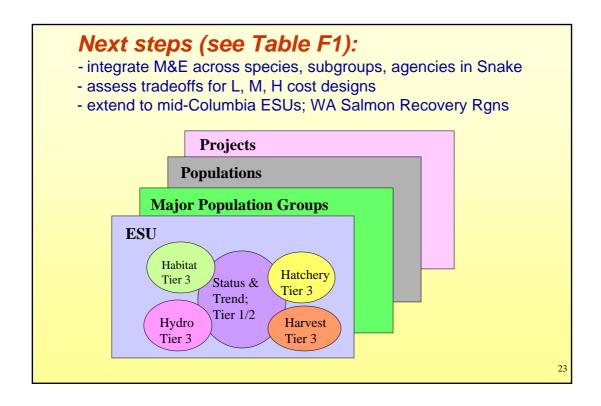


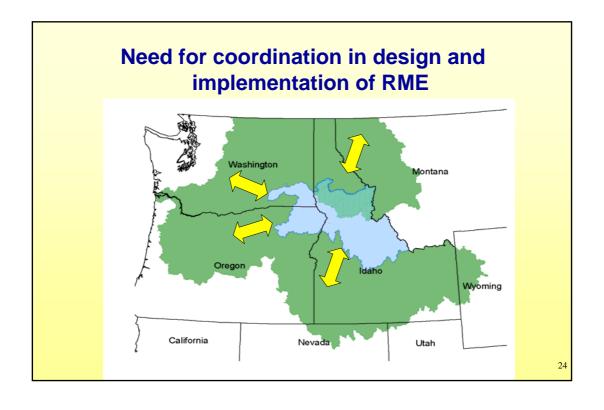














Programmatic / Policy Level Input

- Get / analyze remaining CSMEP surveys on M&E priorities (species, scales, questions) – now
- Show managers tradeoffs in different M&E designs ⇒
 assess risk adversity, priorities for certainty in
 decisions (need a lot more dialogue) fy06-09
- Interact with restoration program managers in Snake
- Interact with PNAMP, NPCC, Fed RME to present products, get feedback
- Will take time to do this systematically, get buy-in across multiple agencies and scales

For more information on CSMEP

- Main website with work products:
 http://www.cbfwa.org/committees/csmep/
- Metadata by subbasin https://nrimp.dfw.state.or.us/csmep/
- · Contacts:

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Design Challenges / Implications

- Relative priority of questions differs among agencies (need dialogue to explore tradeoffs among questions)
- Effect sizes, risk adversity not completely defined (explore costs/benefits of wide range of options)
- Long list of potential questions, performance measures (focus on a few critical decisions; intensive / extensive)
- Intensively studied systems not randomly selected (assess what systems represented by intensive sites)
- Costs are a big concern (explore range of designs; cost sharing opportunities across agencies)