

STATE OF THE SALMON

Salmon Data Access Working Group *Meeting 1*

Monday, November 3, 2008 - Tuesday, November 4, 2008
Coast Bastion Inn
Nanaimo, BC, Canada

Cathy P. Kellon

A joint program of Wild Salmon Center and Ecotrust



Background

- State of the Salmon's experience trying to access data to conduct assessments.
- Conversation with GBMF – is there anything that can be done to help address data opacity?
- Sure. Why not leverage resources via partnership to build data systems/web tools for agency use?
- Planning grant awarded in 2007 to explore partnerships and project viability.
- Implementation grant awarded: July 2008 – July 2010.

SoS – Agency Partnerships Initiative

3 Agency Projects

- Alaska Department of Fish & Game
PWS/Copper River office
- Canada Department of Fisheries and Oceans
Salmon & Freshwater Ecosystems Division
- Oregon Department of Fish & Wildlife
Corvallis Research Lab

Salmon Data Access Working Group

API goals

improve salmon population data transparency by
addressing discrete business needs

*transparency =
discovery, access, sharing, understanding*

Improve upon:

- type and amount of data documentation (metadata)
 - information interoperability
 - systems interoperability
- communications/ data visualization

API operating principles

- focus on user needs & existing work flow processes
 - focus on scaleable, extensible, flexible tools
- make use of open source software wherever practicable
 - learn by doing
 - don't reinvent the wheel

**JUST
MAKE IT
SUCK
LESS**

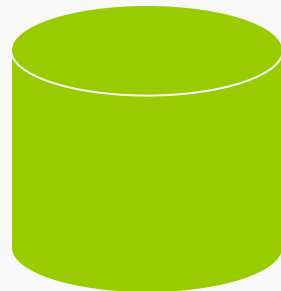
Data Life Cycle

making a big problem less big

Data Collection



Repository



Process

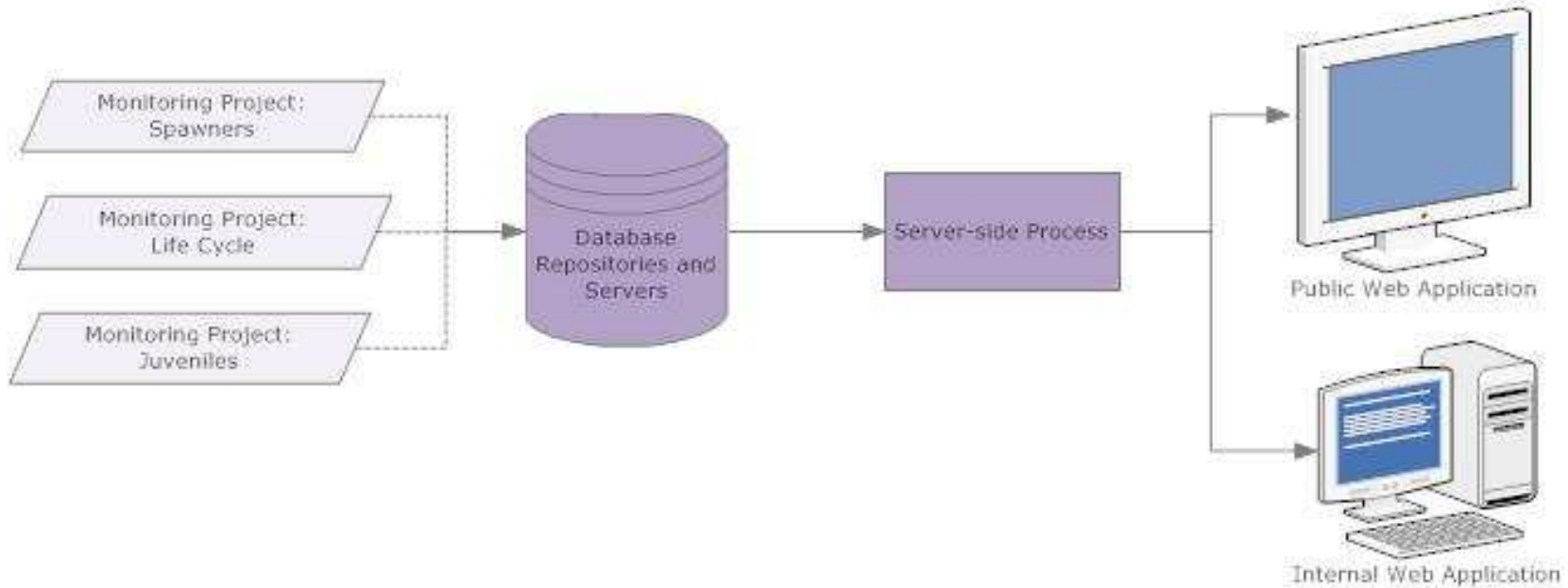


Dissemination



ODFW Scope of Work

Improve data capture, storage, and sharing to support conservation planning and species recovery.
Oregon Plan for Salmon & Watersheds, Corvallis Research Lab, ODFW.



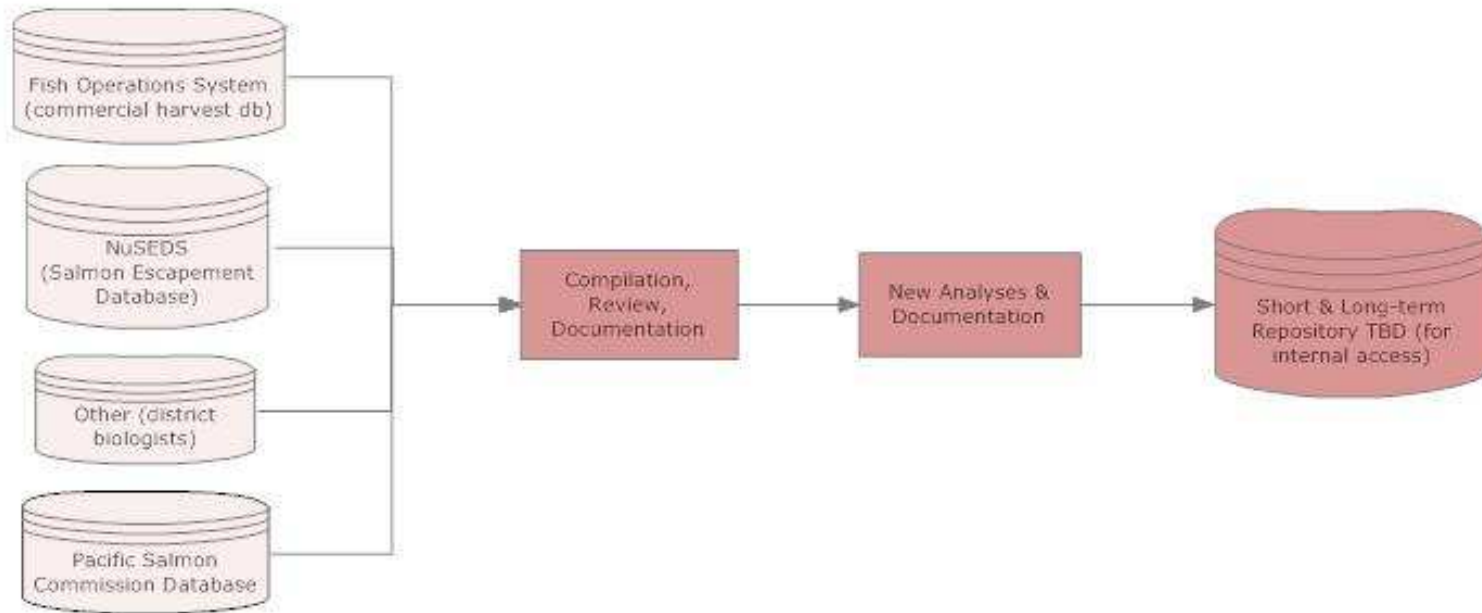
Who: Coho, steelhead

What: Adult, juvenile, habitat estimates

Where: Coastal and Lower Columbia, Oregon

DFO Scope of Work

Establish escapement estimates and harvest rates by Conservation Unit to support new policy directives under the Wild Salmon Policy. Salmon & Freshwater Ecosystems Division, DFO Canada.



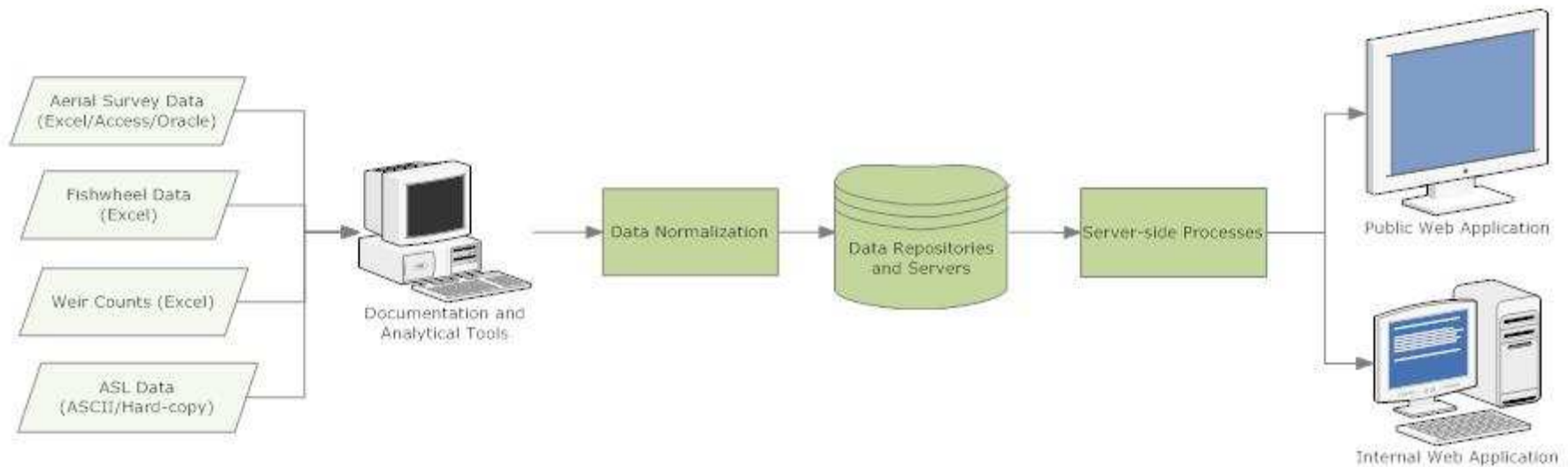
Who: Chinook, sockeye, coho, pink, chum, steelhead

What: Escapement and harvest rate by CU

Where: British Columbia and Yukon Territory

ADFG Scope of Work

Improve data capture, storage, processing, and sharing to support management needs in Prince William Sound.
Cordova Office, South Central Region, Commercial Fisheries Division, ADF&G.



Who: Chinook, sockeye, coho, pink, chum

What: Escapement/spawners, harvest

Where: Copper River/Prince William Sound (Area E)

SaIDAWG

- part of the API grant –
- work in lockstep with 3 projects to
 - build collaboration,
 - share best practices and tools, and
 - improve project outcomes.
- includes project partners + others doing similar work elsewhere
- working with PNAMP and AIP to coordinate efforts
- meet three times over three years

M.I.S.L.

Canada's Wild Salmon Policy

Table 1 WSP strategies and action steps

1. Standardized monitoring of wild salmon status

- Identify Conservation Units
- Develop criteria to assess CUs and identify benchmarks to represent biological status
- Monitor and assess status of CUs

2. Assessment of habitat status

- Document habitat characteristics within CUs
- Select indicators and develop benchmarks for habitat assessment
- Monitor and assess habitat status
- Establish linkages to develop an integrated data system for watershed management

3. Inclusion of ecosystem values and monitoring

- Identify indicators to monitor status of freshwater ecosystems
- Integrate climate and ocean information into annual salmon management processes

4. Integrated strategic planning

- Implement an interim process for management of priority CUs
- Design and implement a fully integrated strategic planning process for salmon conservation

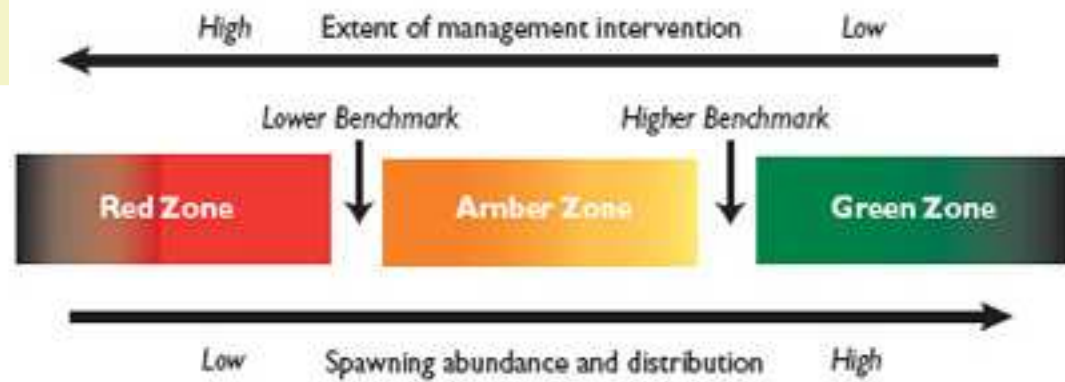
5. Annual program delivery

- Assess the status of Conservation Units and populations
- Plan and conduct annual fisheries
- Plan and implement annual habitat management activities
- Plan and implement annual enhancement activities

6. Performance review

- Conduct post-season review of annual workplans
- Conduct regular reviews of the success of the WSP

Figure 3 Benchmarks and biological status zones to be determined for each CU



Sample Task – attributing escapement monitoring activities to Conservation Units

