

A Framework for the Fish and Wildlife Program Data Management: BPA's Draft Data Management Strategy

PERC Meeting September 13th 2012



Bonneville Power Administration

Background

- BPA's data management strategy is based on:
 - Past and on-going initiatives (e.g., Northwest Environmental Data Network [NED] and PNAMP Data Management Leadership Team)
 - Recommendations from the ISRP and NPCC (e.g., MERR, and the RM&E and Data Management Categorical Reviews)
 - State and Tribal data management strategies developed under the Coordinated Assessments
 - Actions to comply with FCRPS BiOp RPAs

Audience

- Project Sponsors and BPA COTRs
- Agency and tribal partners
- Regional stakeholders

Goals and Objectives

- Support a coordinated network of data management systems, staff and tools to provide timely and efficient transfer and storage of monitoring and research data
- Make available results for fish and wildlife managers and the public
- Support planning and performance assessments of the Fish and Wildlife Program

Strategy

- Prioritize data needs
- Fund development of products or systems that improve data capture/storage
- Use data stewards and technology to facilitate data capture and documentation
- Enhance opportunities for access to secondary parties

Regional Monitoring & Data Management Structure:

Management Question(s) & Strategy



Monitoring Proposal Protocol & Design



Data Collection



Data Entry



Agency Storage



Regional Sharing



Reporting/Feedback

BPA and Council Reporting

BiOp Annual & Comprehensive Evaluation

NPCC HLIs

Sponsor Project Reports

Local Analysis

Agency Analysis

Regional Analysis

UCRTT

SalmonScape

WDFW Salmon Stock Inventory (SaSI)

NOAA SALMON POPULATION SUMMARY

Local/ Agency/Regional Reporting



Expected Outcomes

- BPA provides point of view on data management projects
- Inform and establish funding priorities
- Promote enhanced data sharing
 - Require public access
 - Establish use agreements
- Enhanced collaboration
 - Federal Caucus; PNAMP; and StreamNet
 - Coordinated Assessments

Expected Outcomes (Continued)

- Support development of new technology to improve efficiencies
 - Continued support of cooperative systems like PITagis, CHaMP, GAPS, and STEM etc.
 - Find systems solution for adult and juvenile fish abundance with states and tribes (StreamNet, IFWIS, JMX, KNRD)
 - Handheld field technology review and programming
- Support more efficient data management through data stewards

Next Steps

- Solicit public comments on BPA's draft Data Strategy
- Implement pilot activities
- Support Council review and consideration under the PERC and Council Program amendment process.