


Data Sharing Workshop


To Support Coordinated Assessments

October 5-6, 2010



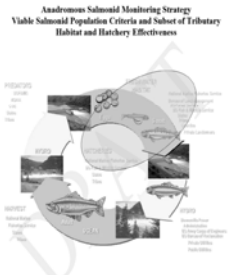
Context for Data Sharing Workshop

1. Overview of the Anadromous Salmonid Monitoring Strategy
2. Understand the drivers for coordinated basinwide assessments
3. Overview of the Coordinated Assessments Work Plan
4. Understand the purpose and scope of this effort



Anadromous Salmonid Monitoring Strategy (ASMS)


to develop an efficient and effective framework and project specific implementation strategy for anadromous salmon and steelhead monitoring for Viable Salmonid Population criteria, as well as a subset of the habitat and hatchery effectiveness monitoring needed for the Federal Columbia River Power System Biological Opinion.



Columbia Basin Coordinated Anadromous Monitoring Workshop
Version 20062010


Anadromous Salmonid Monitoring Strategy (ASMS)

1. Identified High Level Indicators for Salmon and Steelhead
2. Coordinated and Prioritized Monitoring across the CRB
3. Identified monitoring projects for BPA funding
4. Identified other priority monitoring projects




Anadromous Salmonid Monitoring Strategy (ASMS)

1. Developed by four sub-regions
2. Integrated HLIs across multiple programs and geographic scales
3. Addressed over 190 Populations



Drivers for Basinwide Assessments

1. Effective evaluation of the FCRPS Biological Opinion
2. Determine progress towards recovery of ESA listed salmonids
3. Support effective implementation of actions to benefit CRB salmon and steelhead
4. Mandated reporting under ESA
5. Progress Reports for Fish Accords



Activities to Address Basinwide Drivers

1. Council developed the MERR Plan
2. PNAMP is developing data management road map
3. CBFWA Members redefined CBFWA work plan to focus on Coordinated Assessments

From these three activities, a sub-group of CBFWA members and BPA/Council/NOAA/StreamNet staff developed a path towards data sharing standards for the CRB



Overview of Coordinated Assessments Work Plan

1. Develop a data sharing strategy that provides a framework for sharing data across disparate systems
2. Focus on VSP parameters first, incorporate habitat and hatchery effectiveness at future time
3. Do not engage field biologists until Fall
4. Summer spent developing pilot products
5. CA developed through Planning Group, Approved by CBFWA members



Data Sharing Goal and Principles

Develop a systematic approach for sharing data to support ongoing, consistent assessments of anadromous fish in the CRB

- Transparency of data collection, analysis and sharing
- Consistency among the agencies and tribes in data sharing protocols
- Deliberate construction of a collaborative data sharing strategy to support BiOps, Recovery monitoring, and state and tribal management requirements



Overview of Coordinated Assessments Work Plan

1. Near-term
 - Vet the CA work plan with agencies and tribes
 - Conduct internal recon to understand current status
 - Develop proof-of-concept materials
 - Prepare for regional workshop



Overview of Coordinated Assessments Work Plan

2. Medium-term
 - Conduct regional workshop to develop workplan to
 - Develop next iteration DET
 - Complete data sharing needs assessment
 - Conduct sub-regional workshops to coordinate co-manager priorities (if necessary)
 - Produce a description of existence, location, format, completeness, availability and gaps for three VSP parameters where data is available
 - Conduct a second regional workshop to align data management strategies and identify data management priorities and sequences



Overview of Coordinated Assessments Work Plan

3. Long-term
 - Fund and implement priority actions to develop basin-wide data management infrastructures
 - Developing agency/tribal internal data systems
 - Shared data hosting
 - Ability to publish data and metadata over the internet
 - Pursue incremental steps towards a data exchange network
 - Expand data priorities to include additional VSP parameters and high priority habitat and hatchery effectiveness parameters
 - Continue development of DETs



High Level Indicators

1. Viable Salmonid Population (VSP) Parameters
 - Abundance
 - Productivity
 - Spatial Structure
 - Diversity
2. Habitat Effectiveness
3. Hatchery Effectiveness
4. Project Effectiveness



High Level Indicators

1. Viable Salmonid Population (VSP) Parameters
 - Abundance
 - Productivity
 - Spatial Structure
 - Diversity
2. Habitat Effectiveness
3. Hatchery Effectiveness
4. Hydro-system Effectiveness

*First 3 Indicators:
1. Natural Spawner Abundance
2. Adult to Adult Return Rate
3. Smolt to Adult Return Rate*



Use 3 Indicators to Identify Gaps

- Data Exchange Templates
 - common data/metadata formats designed to support improved sharing
- Partner Capacity
 - Partner staffing, procedures, software needed to manage/share information
- Shared Infrastructure
 - Common standards, methods, software, websites, repositories or other tools created and used collectively
- Management and Coordination



Workshop Agenda Items

Topic	Agenda Item	Related Activities
Data Exchange Template (DET)	•DET Overview (1:00pm) •DET Next Steps (2:30 pm)	•Implementation Effectiveness DET •Habitat DET concept
Partner Capacity	•Research, analysis and Planning (2:30 pm)	•RME Categorical Review •Agency/Tribal database development
Shared Infrastructure	•How to Assess Gaps and ID Priorities (3:30 pm)	•Data Stewards/BPA funding •Monitoring Methods.org site (methods and protocols work) RME Categorical Review
Governance and Coordination	•Day 2 Review and Approve Workplan	•PNAMP DM Roadmap •Planning Group cont'd •Additional DETs

NPCC's RME Categorical Review

- Monitoring Projects (April – February)
- ASMS (Skamania Workshops) guiding priorities
 - Proposals submitted in July
 - ISRP Reviews out this month
 - Council decision in February

- Data Management Projects (March – July)
- This effort can guide priorities for the review
 - Expected to occur next Spring on a faster timeline
 - Need Council recommendations by July 2011



Current Data Management from RME Categorical Review

Project sponsors indicated where their data would be published for the BPA categorical review process:

- 139 Unique project numbers identified
- Average of 3 locations per project (range 0-9)
- 75 unique web locations were identified



Current Data Management from RME Categorical Review

Tribe	State	Federal	BPA	NGOs
<ul style="list-style-type: none"> •CRITFC •CTUIR Fisheries website •CCT •Okanogan Basin Monitoring and Evaluation Project •NPT •Department of Fisheries Resources Management website •Watershed Division website •Yakima Klickitat Fisheries Program 	<ul style="list-style-type: none"> •Idaho •Conservation Data Center •Idaho Fish and Wildlife Information System •LSRCP Hatchery Data Management System •Oregon •Columbia River Fisheries Program website •Columbia River Status Reports •Natural Resources Information Management Program •Water Resources Department •Washington •Columbia River Compact •Columbia River Fisheries website •River and Stream Water Quality Monitoring •Salmon Stock Inventory •SalmonScape 	<ul style="list-style-type: none"> •NOAA •Coastal Services Center •Columbia Basin Water Quality •Genetic Analysis of Pacific Salmonids •Ocean Indicators Tool •Restoration Center •Status, Trend, and Effectiveness Monitoring Data Bank •Stephen Phelps Able Nomenclature •USGS •Gauging Stations •Water Quality Online Data •National Weather Information System •DFO •Oceanography Database •Pacific Marine Database •Zooplankton Database 	<ul style="list-style-type: none"> •Avian Predation Project Website •Data Access in Real Time •Fish Passage Center •Fish and Wildlife Program Publications •Northern Pikecreek website •PISCES •PIT Tag Information System •Regional Mark Information System •Status of the Resources website •StreamNet 	<ul style="list-style-type: none"> •Conservation Registry •Data Basin •ICF International - EDT3 •Sound Data Management •Lower Columbia River Estuary Partnership website •Upper Columbia Habitat Work Schedule •PNAMP website •Journal publications

Summary

This effort is not intended to -

- Impose sampling methodologies across basin
- Create an uber-database
- Increase workload without some additional resources
- Only benefit regional data users



Summary

You are here because -

- You are closest to the data or are key support for managing the data
- You can best evaluate your agencies needs for managing this specific data
- You have dealt with this issue and can provide the best feedback for managing it
- You will get something out of this



Summary

This could help you by -

- Identifying your priority needs for sharing data within your tribe/agency and help communicate those needs
- Make sharing data externally more efficient and effective
- Build tool/processes that are useful for you



Summary

What we need from you -

- Identify how specific data is currently managed within your agency/tribe (DET/Flow diagrams)
- Identify how funding could be spent to improve those processes
- Work with your co-managers to optimize data sharing systems within areas of overlapping jurisdiction



Summary

- What are your most important information management capacity issues?
- What incremental assistance, individually would help you the most?
- What shared infrastructure could be adapted/developed to support you/others?
- What criteria should we use to prioritize these needs?

