Pacific Northwest Aquatic Monitoring Partnership (PNAMP)

A forum for coordinating state, federal, and tribal aquatic monitoring programs in the Pacific Northwest

PNAMP Goals

- Allow shared resources and data across organizations
- Provide increased scientific credibility, cost-effective use of limited funds, and greater accountability to stakeholders

PNAMP Objectives

- Provide a technical forum to develop, coordinate and inform monitoring and evaluation (M&E) programs
- Provide a forum and process for communication with decision makers
- Be a clearing house for sample design, protocol development, and data management activities
- Provide process to establish landscape/ecosystem metrics

PNAMP History

- Focus on aquatic resource monitoring
  - Emphasis on fish and watershed assessment
- Northwest Forest Plan origins
- Expansion of scale and topics
- Elements of PNAMP *Strategy*
  - Identify key management questions
  - Develop standardized metrics and protocols
  - Identify regional efforts that are key components of a monitoring network

PNAMP Partners

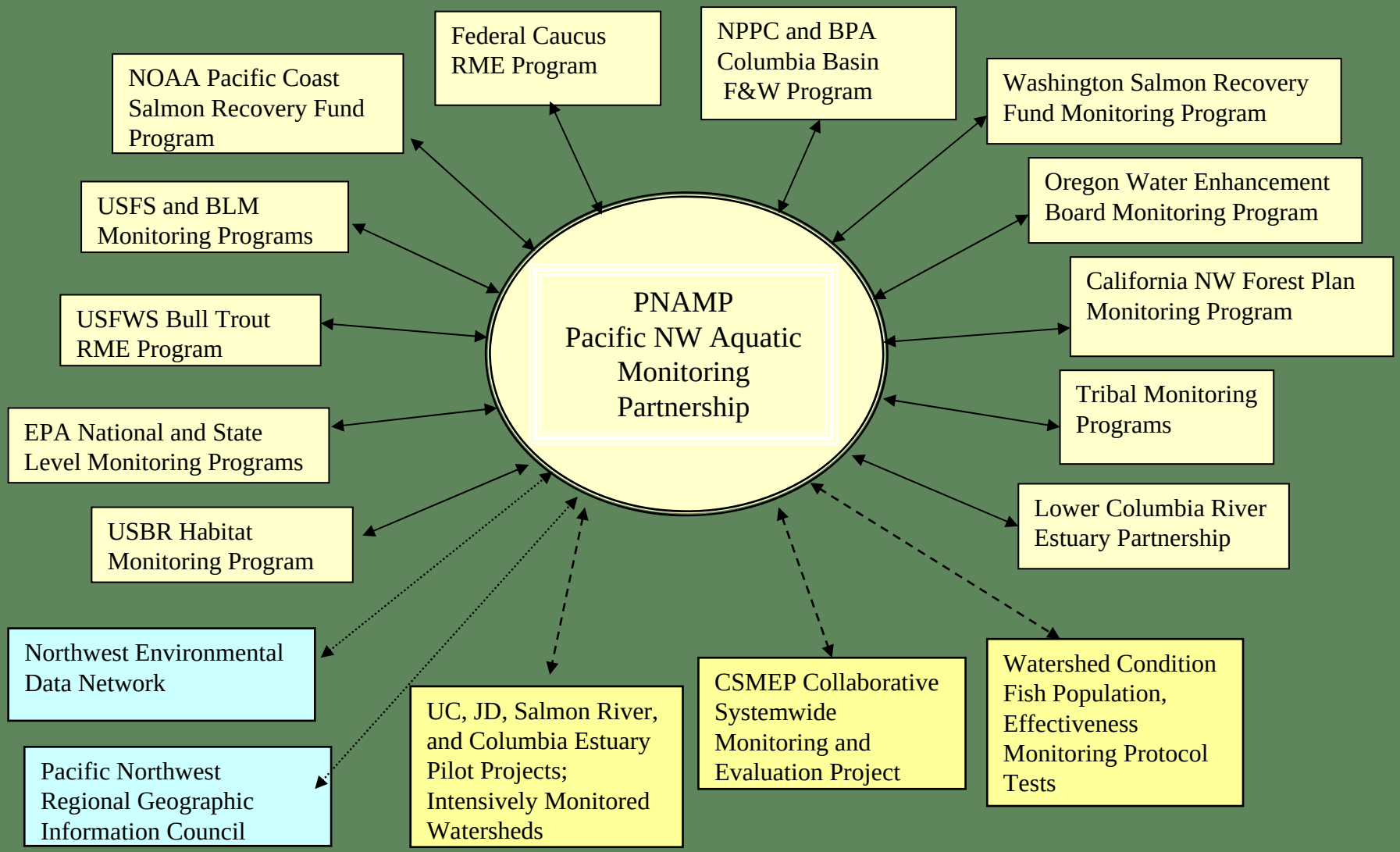
Charter signed by 19 state, tribal, federal, and regional entities:

US Army Corps
of Engineers

SALMON
RECOVERY
FUNDING
BOARD

WA GSRO

Regional Monitoring Partnership



Data management

Watershed condition monitoring

Fish population monitoring

Project effectiveness monitoring

Estuary monitoring

Other topics as interest merits

Accomplishments

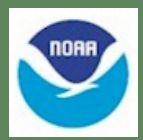
- Organizational progress
- Side-by-side protocol test
- Fish monitoring protocols review
- Regional plan to establish a network of intensively monitored watersheds (IMWs)
- Technical forums: “Large-scale Monitoring” symposium at the American Fisheries Society; “Remote Sensing Workshop”; “Monitoring Practitioners Workshop”

PNAMP Current Tasks

- **Protocol** standardization/ coordination
- **Inventory** of monitoring activities
- Universal **Survey Design** for status/trend monitoring
- **Data Management** coordination
- High-level **Indicators** development
- Facilitate regional **Networking**

Side-by-Side Protocol Test

$$ =



Challenges

- Increase technical participation in workgroups
- Better communication of regional priorities for aquatic monitoring
- Improve willingness to coordinate on data management issues
- Understand current monitoring efforts

Lessons Learned

"Volunteer Army" brings strong buy-in with those participating, but difficult to:

- Achieve balance in topics
- Proceed with best sequence of tasks
- Predict timelines to products
- Achieve distributed participation
- Manage expectations

Lessons Learned

- Lack of dedicated funding for projects slows progress
- Distributed Executive Network makes for inconsistent communication

Benefits of PNAMP

- Technical forum for practitioners
- Unique combination of Partners
- Initiating framework conversations at policy and technical levels

Next Steps:

- Increase involvement in technical workgroups
- Increase cross-PNAMP workgroup and interaction with outside groups
- Participate in regional monitoring framework discussions

More Information:

www.PNAMP.org

Supplemental Slides

Watershed Condition Monitoring

- Convene a series of workshops to discuss the general integrated sample design
- Complete the comparison of field attributes and sampling protocols
- Make recommendations on the “best” protocols and/or develop appropriate cross-walks between protocols
- Identify developers of GIS layers and status of each layer
- Recommend development of additional needed GIS layers

PNAMP

Fish Population Monitoring

- Publish FPM protocols and identify gaps and protocols needing more formal comparison
- Support and assist recent collaborative efforts David Johnson *et al*
- Develop standardized field method training manual format
- Develop a coordinated approach to telemetry, tagging and marking juvenile migrants and adults

PNAMP

Data Management

- Support the completion of an inventory and assessment of monitoring projects
- Establish a close working relationship for data consistency across the Workgroups
- Leverage existing data collection/reporting standards by engaging in collaborative activities with other data standardization efforts
- Interact with and support existing data coordination efforts

PNAMP

Effectiveness Monitoring WG

- Implement, publish and publicize strategy to establish intensively monitored watersheds (IMWs) throughout the Pacific Northwest
- Support development of USBR Protocol Manager tool
- Develop a short list of regional scale high-level indicators of salmon recovery and watershed health
- Develop a regional strategy and recommendations for testing habitat restoration projects at the reach scale
- Based on the above, develop a list of habitat restoration project categories and protocols
- Inventory existing habitat restoration projects across the region with ongoing monitoring

PNAMP

Estuary Monitoring WG

- Compile and organize existing information and data regarding existing and proposed estuary monitoring programs (as part of the PNAMP Monitoring Activity Inventory)
- Identify the key management questions that could be addressed with coordinated estuary monitoring
- Coordinate with PNAMP data management technical group to identify data sharing issues

PNAMP