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February 5, 2013

MEMORANDUM

TO: Fish and Wildlife Committee

FROM: Nancy Leonard, Fish, Wildlife, Ecosystem Monitoring and Evaluation Manager

SUBJECT: Update from PNAMP

Jennifer Bayer, PNAMP Coordinator (USGS), will present an update on PNAMP's priorities for 2013 and seek input from the NPCC Fish and Wildlife Committee, per the NPCC's recommendations following the 2013 PERC review. Specifically, Ms. Bayer will present:

- proposed PNAMP 2013 Work Plan, including rationale for these projects
- impacts of the 23% reduction to the PNAMP Project (2004-002-00) funds received from BPA
- results of contracting efficiencies negotiated by BPA on behalf of the PNAMP Project.

The current contract for the PNAMP Project (2004-002-00) support between BPA and USGS has a performance period of February 1, 2013 – January 31, 2014. Other funding mechanisms for PNAMP have different performance periods; therefore to simplify work planning and reporting, PNAMP uses a calendar year schedule. The 2013 PNAMP Work Plan can be found on the PNAMP website here:

http://www.pnamp.org/sites/default/files/pnamp_2013_work_plan_final.pdf and the 2012 PNAMP Annual Report here: <http://www.pnamp.org/document/4137> .

The recent review by the NPCC PERC was beneficial for PNAMP's project planning and staff have incorporated comments and suggestions heard during that process into the 2013 work plan and from the NPCC's July 2012 and November 2012 recommendations. For instance, recommendations from NPCC in July 2012 under the Data Management and Sharing and Program-Specific Data Management and Sharing sections are addressed by several of PNAMP's efforts and existing and anticipated products that provide data management and data sharing guidance and technologies that aim to inform and support projects collecting data, such as those funded through the Program, on how to ensure the longevity and usefulness of the collected data by documenting their methods, designs, and their metadata (e.g., www.monitoringresources.org). Therefore, we anticipate planned PNAMP activities are aligned with NPCC priorities. However, the significant reduction in BPA funding compared to previous years (along with a reduction in

funding from NOAA) has impacted the PNAMP staff's ability to implement all activities as proposed in the PNAMP Project submission to the RM&E Categorical Review initiated in 2011. Also, the USGS contract with BPA describes dependencies with other BPA funded projects that need to be maintained otherwise further impacts to PNAMP's project tasks will occur.

Background

Below are excerpts from the Council recommendations made during the Council's July 2012 and November 2012 meeting that provide guidance to the PNAMP project.

PNAMP specific [November 2012 Council Recommendation](#) (refinement to the July 2012 recommendations):

1. Budget reduction within the range of 10 to 15%, which is commensurate with the reduction being sought from project managers throughout the Columbia River Basin.
2. In addition BPA should, through direct contracting, find efficiencies in contracted services.
3. PNAMP to report annual priorities to, and seek policy level guidance from, the Council's Fish and Wildlife Committee on an annual basis.

PNAMP specific [July 2012 Council Recommendation](#):

Fund as proposed with the following caveat through FY 2013:

As necessary, prioritization tasks funded by Bonneville should be informed by Bonneville and Council's evaluation and reporting needs for the program (e.g., ISRP retrospective reports, Report to Congress, and HLI reports), and Bonneville FCRPS BiOp reports.

Furthermore, if the PERC moves forward, it would be expected that the council recommendations based on the guidance from this committee would be incorporated in this work. Sponsor to participate on the PERC as requested by the Council to assist in developing recommendations of the PERC

Programmatic [July 2012 Council Recommendations](#) of Relevance to PNAMP:

Section: Data Management Programmatic Issues and Council recommendations

Subsection: 1. General Data Management and Sharing

Council recommendations: To address the general data management and sharing needs within program funded projects, Council recommends the following:

[...]

3) All projects collecting data through the Program should ensure the longevity and usefulness of the collected data by using data management approaches and tools that facilitates its sharing such as by providing comprehensive documentation of metadata and employing data stewards. This may be best achieved by data-collecting entities participating in regional forums and workshops addressing these topics and by taking advantage of data management and data-sharing guidance and technologies generated by these efforts (e.g., PNAMP, StreamNet, and Coordinated Assessments for Salmon and Steelhead (CA) projects).

Subsection: 2. Program-Specific Data Management and Sharing

Council recommendations: To address these evolving data needs for program evaluation and reporting, Council recommends the following:

[...]

3) The Council should focus on improving data sharing among individual projects, sub-regional databases, and regional data-management projects to provide program priority data at the appropriate level of synthesis to assist with program evaluation. This consists of supporting the

recommendations described under ‘1. General Data Management and Sharing - Council recommendations ‘ as well as supporting existing process that contribute to this need, such as:

- a. [...]
- b. [...]
- c. Development of data guidance for proper management and facilitating sharing
- d. Development of tools to facilitate access to data (e.g. data exchange templates)
- e. Development, refining and updating of the fish and wildlife indicators reported in the Status of the Resource (SOTR) that serve to inform Council HLIs.
- f. Continue to support products and related coordination functions that assist the Council in Program evaluation and reporting needs. These products and functions include those described in Table 1 under ‘Part 4: Regional Coordination – Issues and Recommendations’, such as: ‘Participate and contribute to ongoing work to improve program reporting, evaluation and assessment’ and ‘Participate and contribute to Council- sponsored/requested topical forums, reports and workgroups to aid in program development and implementation.’
- g. [...].

4) To inform program evaluation and reporting needs, entities with program funded projects that collect program priority data should engage in collaborative efforts aiming to address these needs (e.g., RFMS, WMIS, ASMS and CA). Some entities providing data needed for synthesized variables, though these data may not be funded solely by the Program, may use Program Coordination funds to engage in activities supporting data sharing and synthesis and use Program Data Management funds to make the required data accessible to the program (e.g., Coordinated Assessments, SOTR).

[...]



pacific northwest aquatic
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Northwest Power and Conservation Council

Fish & Wildlife Committee

February 12, 2013

Jennifer Bayer, USGS, PNAMP Coordinator


Today's Presentation

- 2013 Work Plan
 - Coordination and collaboration support
 - Data management and sharing support
- 2013 PNAMP budget overview
- Timetable of activities and products



2013 Work Plan Materials

- See <http://www.pnamp.org/about>
 - 2012 Annual Report
 - 2013 Work Plan
 - Fact sheets
- See cbfish.org
 - Project history in detail
 - RPA's addressed per new reporting template



Tasks Timeline Summary

Monitoring Resources														
Improve content, help, training available on site		J	F	M	A	M	J	J	A	S	O	N	D	as needed
1.1 Add training content	Not Started	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐
Expand support for Monitoring Programs and Projects														
2.1 Provide text to support monitoring programs	Not Started	☑	☑	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐
Extend/make improvements to monitoringresources.org based on feedback and on prioritized requests														
3.1 Site Demo	Not Started	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐
Connect with Salmon Population Crosswalk Tool from CRITFC														
4.1 Investigate integration opportunities	Not Started	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐
Monitoring Resources - MonitoringMethods.org														
Provide training and support for MM.org		J	F	M	A	M	J	J	A	S	O	N	D	as needed
3.1 Training and support	In Progress	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑
Improve support for review and approval of methods/protocols														
4.1 Add functionality to support "recommending" a method or protocol	Not Started	☑	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4.3 Add search capability in discussions/comments area of the system; show number of views of a comment	Not Started	☑	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Versioning of protocols and methods														
5.1 Refine/improve how versioning works; develop business rules pertaining to versioning	Not Started	☑	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐



PNAMP Work Plan Synopsis

- **Coordination & Collaboration Support:**
 - Facilitation of workshops, symposia, and meetings to support collaboration around aquatic monitoring topics, promote best practices, and encourage coordination and integration of monitoring activities
 - Communication to sustain collaboration, including newsletters, maintain websites, moderate online forum, attend meetings
- **Data Management & Sharing Support:** Develop guidance and tools to support documentation of project design, methodology, metadata records, and to promote best practices for data management and sharing



Coordination & Collaboration Support Tasks

Bring experts together to advance state of knowledge of monitoring methods, design, analysis

Methods Reviews

- Goal: recommendations for best practices
- Completed one review in 2012 – measuring fish length
- Discussion documented on MonitoringMethods.org, along with community recommended methods
- FY13 Activities:
 - Oregon Chapter AFS workshop (large wood)
 - Western Division AFS session & workshop (pools & snorkeling)
 - Online discussions

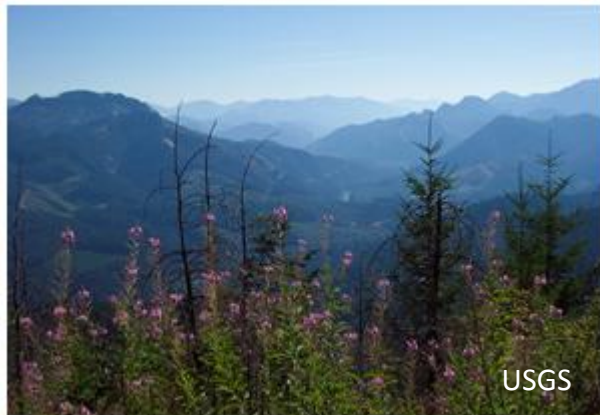


Coordination & Collaboration Support Tasks

Bring experts together to advance state of knowledge of monitoring methods, design, analysis

Effectiveness Monitoring Coordination

- IMW workshop March 20-21 (Portland)
- FY13 Products:
 - Updated overview of current IMWs
 - Information sharing, best practices identified
 - Identify needs for further support



Coordination & Collaboration Support Tasks

Bring experts together to advance state of knowledge of monitoring methods, design, analysis

Integrated Status & Trends Monitoring Demonstration

– Fish:

- Pilot Monitoring Evaluation tool complete – available for re-use
- Align with Coordinated Assessments project
- FY13 – new pilot will only happen if new funds are dedicated by partners

– Habitat:

- Aligned with stormwater effort (with WA Ecology & LCFRB) in 2012
- Objective 1&2 report in review, including priorities and metrics expert review results
- Remaining objectives to be complete in June 2013



Data Management & Sharing Support Tasks

General and Program-specific

- **Guidance** - to support management and sharing
- **Technologies** - develop tools to facilitate access to project information & data
 - Support for better documentation of project information – designs, methods, metrics
 - Support for creation of metadata records



Data Management & Sharing Support Tasks

Guidance

Habitat Data Sharing

- Macroinvertebrate/Habitat/Fish Relationships
 - Session at Oregon AFS Conference
- Macroinvertebrate Data Sharing
 - Facilitate development of a Pacific Northwest standard taxonomic effort (NWSTE) guidance document
 - Supports regional data sharing by providing standardized taxonomic nomenclature and rank to use when identifying macroinvertebrates
 - Align with national effort led by USGS
 - Draft NWSTE presented at NBAW meeting fall 2013



Data Management & Sharing Support Tasks

Guidance

Data Management Leadership Team

- FY13 quarterly meetings
- Information sharing among entities across PNW region
- Inform guidance & priorities

Host Data Management Workshop

- May 2013 (tentative)
- Objectives: discuss best practices, emphasize optimization of resources across BPA projects



Data Management & Sharing Support Tasks

Guidance

Coordinated Assessments – Phase V

- 2011 CRB Data Sharing Strategy developed
- 2012 Data exchange standard (DES) for 4 VSP indicators
- EPA Exchange Network proposal
(decision May 2013)
- Workshop Spring 2013 (proposed)
 - Progress on DES implementation
 - Possible additional DES



➤ CA at risk with loss of CBFWF staff support and reduction in StreamNet state agency support



Data Management & Sharing Support Tasks

Guidance, Technologies

MonitoringResources.org

- Online applications to support documentation of designs, methods, metrics/indicators
- Forum supports best practices discussions
- Metadata Builder (prototype) creates metadata records

Results

Better access to information about implementation that can be shared across region

- Leads to data discovery & more efficient sharing of results
- Leads to more collaboration, greater efficiency
- Leads to recommendations for funders & practitioners

Data Management & Sharing Support Tasks

Technologies

MonitoringResources.org

- Connect with regional project tracking systems & data storage systems
 - Link how data was collected to proposals, project information, funding, datasets

FY13 - actively engaging broad community to seek:

- Review & feedback
- Additional institutional partners
- Additional content, individual users
- Additional development funds



PNAMP Supports NPCC Needs

Continue to support products & related coordination functions that assist the Council in Program evaluation & reporting needs

- Proposal review & methods documentation: MonitoringMethods.org (2011)
- MERR monitoring approaches: PNAMP Strategy (2005), topical workgroup input (ongoing)
- MERR Data Access: PNAMP DM Guidance (2012)
- ASMS: Coordinated Assessments; ISTM Fish (ongoing)
- TBD HLI for Habitat: ISTM Habitat/HDS (ongoing)



2013 PNAMP Budget Overview

- BPA/NPCC for PNAMP Project 2004-002-00
 - Cost share \$450,000 (to USGS); 23% cut in 2013
 - Web resources development \$250,000 (to Sitka)
 - Contracting mechanism savings \$57,000
- USBR cost share \$75,000
- USGS cost share ~\$10,000
- WA ECY cost share \$190,000 (ISTM Habitat)
- **Partner in-kind time contribution growing**



2013 PNAMP Budget Overview

Impact of budget reduction

- Less staff time & no contractor facilitation
- **Less funding = decreased ability to meet proposed workload and timelines**
- Current work plan may need to be revised
 - *On hold*: Remote Sensing Forum, Habitat Data Sharing Case Studies, ISTM Fish
 - *At risk*: Coordinated Assessments



2013 Calendar at a Glance

Key PNAMP Activities Products

February	March	April
Host Method Review (large wood) - OR AFS Host Macroinvertebrate session - OR AFS ISTM Habitat Obj 1&2 draft report ISTM Mainstem final report Monitoring Methods training - WDFW 2012 Annual Report	SC quarterly meeting DMLT quarterly meeting IMW workshop add versioning - Monitoring Methods add site evaluation - Site Manager Monitoring Methods training - ODFW	Host Methods Review (pool characteristics & snorkel survey) - WD AFS
May	June	July
Host Data Management Workshop (tentative)	complete current phase of ISTM Habitat SC quarterly meeting DMLT quarterly meeting	Monitoring Explorer available
August	September	October
SC Strategic Planning meeting	track data exchange formats in Monitoring Resources DMLT quarterly meeting	Standard Taxonomic Effort for Macroinvertebrates draft Present macro results at NBAW meeting
November	December	Jan-14
SC quarterly meeting	DMLT quarterly meeting	

2013 Ongoing Tasks

- Training & support for online tools
 - MonitoringResources.org, MonitoringMethods.org, Sample Designer, Site Manager, prototype Metadata Builder
- Online Methods Review
 - Continue discussions online after conference workshops, allow those not present to weigh in
 - Begin new discussions throughout year for more methods
- Working group meetings
 - Support product development or workshop planning
 - User demos of tools to gather feedback
- Outreach: participants & new funding sources

Questions?

www.pnamp.org

www.MonitoringResources.org



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