

Proposed Agenda

Washington Forum on Monitoring Salmon Recovery and Watershed Health

December 2, 2009

Natural Resources Building Room 175 A&B
Olympia, Washington

Note: Opening sessions will commence as shown; all other times are approximate. If you need special accommodations to participate in this meeting, please notify us by September 4, 2009 at 360/902-3000 or TDD 360/902-1996.

9:00	Item# 1	Call to Order <ul style="list-style-type: none">• Introductions• Review and approval of agenda• Correspondence sent or received	Chair
9:15	Item# 2	Approval of September minutes	Chair
9:20	Item# 3	Reforming the Naturals and Likely Budget Cuts <ul style="list-style-type: none">• Forum recommendations• Master monitoring schedule• Volunteer monitoring• Budget Cuts and Impacts to Monitoring and Data Mgt	Kaleen Cottingham
9:40	Item# 4	Adopt High Level Indicators for Watershed Health <ul style="list-style-type: none">• Coordination with AREMP, PIBO, CBFWA, CRITFC, etc.• Proposed indicators• Metrics vs Protocols• Next steps: protocols• Outreach and announcement	Ken Dzinbal
10:15		Break	
10:30	Item# 5	Remote Sensing Proposals <ul style="list-style-type: none">• Forum Framework and relevant questions• Coordinating approaches• Potential funding sources?<ul style="list-style-type: none">○ related to item #6 – remote sensing	WDFW Ecology
11:30		Lunch	
12:30	Item# 6	Follow-up: Forum recommendations to SRFB <ul style="list-style-type: none">• Feedback from SRFB to Forum<ul style="list-style-type: none">○ IMW workshop○ Effectiveness Monitoring Strategy• Additional Forum recommendations to SRFB<ul style="list-style-type: none">○ Status and Trends Data Mgt Proposal○ Remote Sensing	Ken Dzinbal Bob Cusimano

1:30	Item# 7	Proposed IMW Workshop <ul style="list-style-type: none">• Background and SRFB questions• Regional IMW initiatives• What are the Forum's questions & interests?	Ken Dzinbal Steve Leider
2:00	Item# 8	Regional Anadromous Fish Monitoring Strategy – Panel Discussion <ul style="list-style-type: none">• Results and outcome of Skamania Meetings• Key ingredients to success• Lessons learned• Next steps: project requests and priorities	Bruce Crawford Steve Martin Eric Neatherlin
3:00		<i>Adjourn</i>	Chair

**FORUM ON MONITORING
SALMON RECOVERY AND WATERSHED HEALTH
SUMMARY MINUTES**

DATE: September 11, 2009

PLACE: Natural Resources Building, Room 172

TIME: 9:00 a.m.

Olympia, Washington

MEMBERS PRESENT:

Bill Wilkerson	Chair, Forum on Monitoring Salmon Recovery and Watershed Health
Ken Dzinbal	Executive Coordinator, RCO
Kit Paulsen	City of Bellevue
Bob Metzger	U.S. Forest Service
Terry Wright	Northwest Indian Fisheries Commission
Paul Wagner	Department of Transportation
Steve Martin	Snake River Salmon Recovery Board
Bob Cusimano	Department of Ecology
Kaleen Cottingham	Director, Recreation and Conservation Office
Carol Smith	Conservation Commission
Phil Miller	Governor's Salmon Recovery Office
Bruce Crawford	NOAA Fisheries
Rebecca Ponzi	Puget Sound Partnership
Paul Ancich	Regional Fisheries Enhancement Group
David Tetta	Environmental Protection Agency
Ginny Stern	Department of Health
Sara LaBorde	Department of Fish and Wildlife

IT IS INTENDED THAT THIS SUMMARY BE USED WITH THE NOTEBOOK PROVIDED IN ADVANCE OF THE MEETING.

A RECORDING IS RETAINED BY THE RECREATION AND CONSERVATION OFFICE AS THE FORMAL RECORD OF MEETING.

MEETING CALLED TO ORDER

The meeting was called to order at 9:10 a.m.

Chair Wilkerson asked members and audience to provide introductions. Ken Dzinbal pointed out the key correspondence. Chair asked Bruce Crawford about the status of the NOAA guidance that was the subject of Forum correspondence. NOAA hopes to have a final document later this fall. Chair asked about the regional director, Bruce responded later this fall. Sara LaBorde gave an update on the hiring process for the Director of WDFW. She expected they will release a name on Monday.

Agenda Item #2: Approval of June Minutes

Paul Ancich moved to approve the June Forum meeting minutes as presented. Terry Wright seconded. Minutes approved.

Agenda Item #4: Adopt High Level Indicators for Salmon

Chair Wilkerson noted that a great deal of work has gone into developing and improving the indicators. There may be some different indicators for the Forum on Monitoring, the Puget Sound Partnership, and the Columbia River. He believed the legislature would accept the varied indicators, given that the Forum will be working on the details. Kaleen Cottingham pointed out that the core indicators will overlap, however each region will have additions.

Ken introduced the High Level Indicators for Salmon, and asked the Forum how to release the completed Salmon indicators. Kaleen and Chair Wilkerson suggested waiting to present the information as a two part package with Salmon and Watershed indicators. Bruce Crawford added that the National Oceanic and Atmospheric Administration (NOAA) is pleased with the indicators. Steve Martin stated that on behalf of the seven Regional Salmon Recovery organizations that the indicators will assist with the difficult implementation process.

Chair Wilkerson reminded the Forum that the request for indicators came from people making budget decisions, and indicated that if the Forum did not make a list of priorities, the budgeters would.

Terry Wright asked how the Forum is going to monitor agencies and regions with regard to implementing the indicators and protocols. Ken responded that the Forum has a requirement to report to the legislature on how implementation is going. Terry asked about the Forum being proactive about guiding progress in addition to just reporting. Kaleen added that the expiration date for the Forum is 2011, so discussion will need to take place to determine the purpose of the group.

Kit Paulsen asked Terry if he was asking about updating the CMS. Terry responded that he is interested in the forum discussing the development of a more detailed framework for monitoring organizations. Terry added that he wants to carve out the pieces for different local groups efforts. Bruce noted that he believes the Forum can help with assuring the use of data is consistent and formalized across the state. He encouraged the Forum to emphasize transparency. Kit responded that the Forum needs to determine who is responsible for maintaining consistency.

Sara LaBorde reported that the Department of Fish and Wildlife completely supports the HLIs. She agreed that implementation is the difficult part of the process. Kit Paulsen added that local governments are in support.

Steve Martin added that the data collected by agencies 30 years ago was collected for an entirely different reason. It was not a criticism, but a clarification of the purpose for the data collection.

Rebecca Ponzio noted that the Puget Sound Partnership is in support of the High Level Indicators. Chair Wilkerson added that the Leadership Council is supportive as well.

Paul Ancich noted that the Forum must keep in mind, how the funding is going to come forth for how monitoring is going to take place. He explained that until the on-the-ground staff is able to complete the work, the indicators are just guidelines. Chair Wilkerson reminded the Forum that when he came on board he instructed the group to act like a policy making group, and budget is part of policy. The letter crafted by the Forum needs to address budget and policy. He explained that the Forum will need to be an advocate in the coming years, and suggest a budget that reflects the Forum's priorities. When the Legislature requires adopting the indicators, the approval implies a budget sufficient to carry out the monitoring.

Sara LaBorde moved to adopt the proposed high level indicators. Kaleen seconded. Motion is approved unanimously.

Agenda Item #3: Forum Business Rules

Ken introduced the business rules updated from the June meeting. He noted that preference was for decisions to be made by consensus, but if consensus is not reached then the rules clarify what the procedure is for resolution. Highlights of the rules are: quorum includes 51 percent of

members, agencies can act in an ex officio capacity, and voting procedures allow for the Forum to decide whether the decision requires a simple majority or something else. The forum can also record a minority opinion if so decided. One question that has come up is for members that have a difficult time attending meetings, if members can vote without being in attendance. Steve Martin expressed that it is a concern for regional organizations with the meeting locations being a several hour drive from the regional offices. Regions want to be involved.

Steve Martin noted that polling board members prior to a meeting is in violation of the open public meetings act for a five member school board on which he served.

Paul Wagner asked about a 'GoTo Meeting' approach or conference calling. Kaleen responded that the open public meetings act requires public to participate, however our limiting factor has been the RCO's technology limitations.

Ken clarified that there are statutory members and invited members, and both groups can vote. Kaleen added that considering invited members can be counted for quorum, but not for votes. She suggested decreasing the quorum to one third of the members. Quorum would be met if there is one third of statutory and invited members, at least one of which must be a regional recovery area member.

Kaleen suggested stating eight, rather than one third.

Bob Metzger asked about considering the U.S. Forest Service as an ex officio member for attendance and membership. Bruce Crawford stated that NOAA could vote. Ken stated that he would like to see the agencies stay as involved as possible. Kit wants to ensure that the votes are a diverse representation of perspectives, so one interest group does not dominate the vote on an issue. Chair Wilkerson noted that he would not allow that to happen, and would hope that a future Chair would not either. Kit suggested increasing the number of voting members present to ten. Bruce Crawford moved to approve the Forum business rules. Terry seconded. They were approved unanimously.

Kit Paulson moved to amend the business rules to require ten voting members in attendance. Paul Ancich seconded.

Steve Martin added a friendly amendment to Kit's motion to add one of the regional organizations to be in attendance. Motion Approved unanimously.

Ken asked if calling in to the meeting constitutes attendance. Chair Wilkerson responded that calling in does count as attending the meeting.

Agenda Item #5: Forum Budget letter to OFM

Ken Dzinbal introduced the letter. The letter provides comments to the legislature by September 15th. Forum polled the agencies earlier this year, and the letter reflects that none of the agencies will be making any budget asks for the supplemental budget. If the letter is approved today, it will be finalized Monday and delivered Tuesday.

Phil Miller suggested changing "agencies" to "forum members" on page 2.

Paul Ancich asked why agencies did not ask for money for Monitoring. Sara LaBorde responded that considering the budget climate, agencies are not requesting additional funds. Paul suggested highlighting the need for money. Ken thought the letter should hold off on hinting for more money,

considering the cuts.

The Forum provided consensus with amendments to the letter brought forward, which will be added by Ken, the Chair will sign the letter.

Agenda Item #6: Forum Recommendations to SRFB on Monitoring

Ken Dzinbal provided a presentation that reviewed the questions for the Forum to address monitoring questions. The Forum was asked to develop a workgroup. The presentation is a summary of the workgroup's draft recommendations for approval by the Forum for a presentation at the October SRFB Meeting.

The four types of monitoring funded by the SRFB include:

- Status and trends
- Implementation Monitoring
- Effectiveness Monitoring
- IMW Monitoring

Ken noted the current funding mix for different monitoring efforts, totaling \$2,350,000. (See pie chart in power point). Ken sequentially explained the recommendations to the SRFB from the Forum workgroup's recommendations.

Phil Miller noted that there is an undefined amount dedicated to regional organizations implementation monitoring. The second bullet of the Implementation monitoring slide encompasses the bigger picture taking place at the regional level. The forum discussed the SRFB's approach to coordinating implementation monitoring at a regional scale. Ken asked if there were any edits to the second bullet on Implementation Monitoring.

Paul Ancich asked about a report by the Partnership's Science Panel for culverts that used to work. Rebecca noted that she would follow up.

The Forum discussed the value of improving web-based project categories in Project Effectiveness Monitoring. Ginny Stern suggested adding another bullet to add face to face workshops in addition to the web-based efforts.

Kaleen asked if the recommendations for the IMW will be for Ecology. Ken responded that most of the recommendations take place at the SRFB policy level. Kaleen clarified that the SRFB will want to know what to do. Ken responded that the workgroup recommended hosting a workshop on IMW's to evaluate IMW issues in more detail.

IMW monitoring recommendations - Rebecca Ponzio expressed a concern about asking Lead Entities to propose projects in IMW treatment watersheds. She suggested changing language to reflect...

Ken finished the presentation by briefly providing the recommendations for Nearshore/Marine Monitoring and Data Management.

In summary, the workgroup determined that the SRFB is funding the correct programs, yet there are gaps in the monitoring efforts.

Ken asked the Forum if they are close enough to move forward and present the information to the SRFB at their next meeting. Kaleen noted that this presentation needs to accompany an explanation of new funds.

Steve Martin encouraged the Forum to align the monitoring efforts with the indicators that the Forum passed earlier in the meeting.

Lunch Break----

Ken continued the earlier presentation. He presented the Forum with recommended funding levels. The proposed funding levels provide \$100k in savings. The workgroup noted that the Statewide Effectiveness Monitoring Coordination is the highest priority.

Kaleen suggested denoting on the presentation that the allocation for the web interface and Nearshore are not currently funded, but included in the proposed list.

Ginny Stern MOVED to approve the top four ranked recommendations. Kaleen SECONDED. Bruce Crawford noted that in support of the motion, that the top two listed items are also priorities for NOAA.

Agenda Item #7: Forum Response to Natural Resources Reform Options

Kaleen explained that she is serving on a committee to evaluate reforming the Natural Resource Agencies. Committee members have been asked to check in with her constituents about the proposed changes. A report from the committee will be released for public comment on Monday.

There are four options for reorganizing state natural resources agencies, with a variety of other options.

Ken will draft a letter and route it to forum members, by the 9th of October. Terry Wright suggested being rigorous about the monitoring component. Chair Wilkerson echoed Terry's emphasis on providing feedback that best supports the functions of the Monitoring Forum.

Josh Baldi suggested not spending too much time on the details of the suggestions, and concentrate on the high points of the forum's priorities. Ginny Stern suggested focusing the response to the committee on high level goals for monitoring, such as coordination, consolidation, and a unified voice. Kaleen noted that RCO is highlighting that coordination does not happen on its own; it takes staff time and budget.

Kaleen moved that the forum delegate signature authority to the chair on a letter that is drafted, with review. Terry seconded.

Agenda Item #8: Update on sub-regional workshops on anadromous fish monitoring and evaluation

Bruce Crawford introduced this agenda item. This discussion is a follow-up to the discussion with the panel presentation by CBFWA, BPA, NPCC, and WDFW regarding their strategy for developing a monitoring and evaluation strategy for anadromous fish in the Columbia Basin. The

group just finished a series of workshops across the region. Ken MacDonald provided an overview of the results from workgroups. He shared a table with data that are being used to inform a regional level workshop.

Phil Miller asked about BiOp money.

Josh Baldi asked how much of the strategy is tied into NOAA's efforts. Bruce responded that NOAA is tied into the sub-regional meetings.

Chair Wilkerson thanked Ken MacDonald and Bruce Crawford for their presentation.

Agenda Item #9: Next Steps: High Level Indicators for Watershed Health

Ken provided a brief update on the status of the High Level Indicators for Watershed Health. He presented the list of HLIs, and noted that the Forum is required to adopt HLIs for Watershed Health at the December meeting.

Sara LaBorde noted that they need a High Level Indicator for Hatcheries. Ken and Chair Wilkerson responded that the Forum is open to a proposal.

Josh Baldi MOVED to adopt the proposed list for HLIs and move it to the next level. Phi Miller asked if there was as much agreement on the Watershed Health HLIs as the unified feedback for the Salmon HLIs. Ken Dzinbal responded that NWPCC, PSP, PNAMP, and other major agencies were in agreement on all the bolded categories. Terry Wright SECONDED the motions.

Paul Ancich asked if the HLIs left out permitted monitoring efforts. Chair Wilkerson responded that it would enforce permitting in the process. Josh Baldi responded that permit-related compliance monitoring is addressed separately.

The Forum passed the motion to adopt the bolded categories of watershed health HLI's.

Agenda Item # 10: Formal Invitation for the Bonneville Power Administration and the Columbia River Inter-tribal Fish Commission to join Forum?

Kit Moved to issue a formal invitation to BPA and CRITFB to participate as invited members of the Washington Forum on Monitoring. Josh Baldi Seconded. The motion was approved.

Ken Dzinbal will prepare the letter for Chair Wilkerson to formally invite BPA and CRITFB.

ADJOURN

Meeting adjourned at 2:56 p.m.

Bill Wilkerson, Chair

Next Meeting: December 2, 2009
Olympia, WA

Washington Forum on Monitoring

December 2, 2009

AGENDA Item #3

Reforming the Naturals and Likely Budget Cuts

Presentation by:

Kaleen Cottingham, RCO Director

Problem/Issue Statement

This past summer, the Governor tasked the natural resources cabinet with developing ideas and options for reforming how state natural resource agencies are structured and how they work together, with a goal to improve the efficiency and effectiveness of our work.

At its September meeting, the Forum agreed to provide written feedback to the Governor and to Commissioner Goldmark on the reform options. Staff subsequently compiled ideas presented by forum members, and a formal response was transmitted to the Governor and Commissioner Goldmark.

RCO Director Cottingham will provide an update on developments related to the Reform Options.

In addition to potential organizational reforms, there may be impacts from proposed budget reductions.

Methods/Solutions Proposed

Several recommendations have emerged from the reform options being considered, and there are some likely impacts from budget reductions being proposed that could affect Forum concerns.

Reform options may include tasking the Forum with creation of a “master monitoring schedule” and some assistance with advancing opportunities to expand volunteer monitoring efforts. Possible budget impacts include reduction of support for the Natural Resources Information Portal.

What decisions are asked of the Forum?

The Forum may wish to discuss its response and how best to advance its interests with regard to these suggestions.

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AGENDA Item # 4

Adopt high-level indicators for Watershed Health

Presentation by:

Ken Dzinbal

Problem/Issue Statement

The Forum is required to “*adopt general high-level indicators for salmon recovery and watershed health by December 1, 2009. By July 1, 2010 the forum shall also adopt the protocols for monitoring these high-level indicators...*”

The forum agreed on an initial set of proposed high-level indicators at its March meeting. In September, the Forum adopted the proposed high level indicators for salmon. We also adopted the proposed *categories* for watershed indicators pending some additional coordination around specific watershed health metrics. Subsequently, we have compared watershed health indicators and metrics among the major agencies currently conducting statewide or regional status and trends monitoring programs (esp. PSP/Ecology, U.S.F.S. AREMP program, U.S. BLM PIBO program, ODFW, CBFWA, CRITFIC, Okanogan Monitoring Program). Based on this comparison and the outcome of two coordination meetings among the major agencies, the following list of watershed health high-level indicators (with associated metrics) is proposed for adoption by the Forum:

Water Quality

- Temperature
- Water Quality Index

Water Quantity

- Stream flow (% of time stream meets in-stream flow rule during Aug-Sept)

Biological Health (in-stream)

- Macroinvertebrate Community Composition (B-IBI, RIVPAC scores)

Stream Physical Habitat

- “PIBO” index or similar (requires further protocol/metric alignment)

Riparian Condition

- Riparian Habitat Index (requires further protocol/metric alignment)

Land use/land cover

- % land use/land cover; % impervious surface

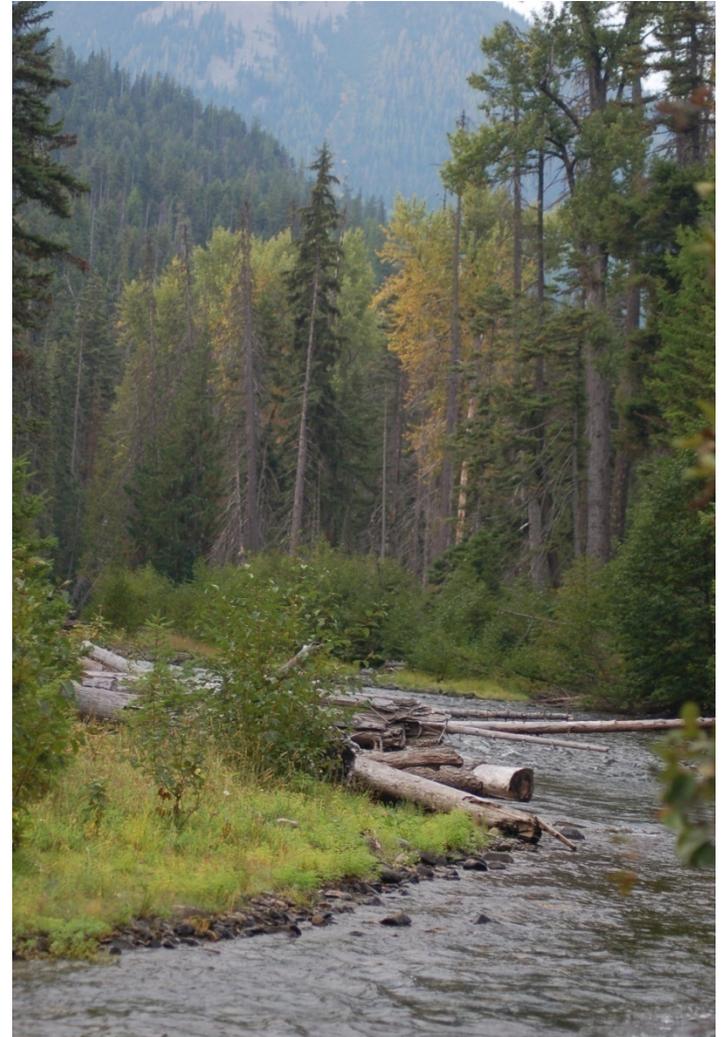
What decision is asked of the Forum?

Formally adopt the proposed high-level indicators for salmon, and proceed to standardizing the protocols and metrics needed to inform them.

Watershed Health

proposed high-level indicators

- **Water Quality**
 - Temperature
 - Ecology WQ Index
- **Water Quantity (Stream Flow)**
 - % time in-stream flows met Aug - Sept
- **Biological Health (in-stream)**
 - Macro-invertebrate index
- **Stream physical habitat**
 - PIBO index (or similar)
- **Riparian Condition**
 - Riparian Habitat Index
- **Land Use / Land Cover**
 - % land use/cover; % impervious surface



Washington Forum on Monitoring

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AGENDA Item # 5

Remote Sensing Proposal

Presentation by:

Ken Dzinbal, Washington Forum on Monitoring

Dave Price, Washington Department of Fish and Wildlife

Problem/Issue Statement

The forum framework describes the components required for a complete monitoring program to support salmon recovery and watershed health. As part of an overall approach to monitoring habitat status and trends, the framework calls for a remote sensing component capable of characterizing habitat and landscape metrics at large (e.g. watershed) scales. Despite several previous proposals by WDFW, and support from the Forum, remote sensing has not yet been funded.

Methods/Solutions Proposed

In September, the Forum made several recommendations to the SRFB to continue funding on-going monitoring programs. Several new proposals (including Remote Sensing) were not acted upon pending additional information to be presented to the Forum. This presentation is intended to provide the additional information about WDFW's Remote Sensing proposal requested by the Forum.

What decision is asked of the Forum?

Based on the information in this presentation, the Forum will be asked in Agenda Item #6 (following) to consider whether or not to recommend the SRFB fund this proposal as part of the SRFB's 2009 PCSRF monitoring allocation.

Washington Forum on Monitoring

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AGENDA Item # 6

Forum Recommendations to SRFB on Monitoring Allocations

Presentation by:

Ken Dzinbal

Problem/Issue Statement

In September, the Forum approved a set of initial recommendations to the SRFB with regard to their overall allocation of monitoring funds. Those recommendations included continued funding for the SRFB's Effectiveness Monitoring Program, and the SRFB's IMW program. Both of those recommendations were conditioned with suggestions for additional refinements to those programs, including:

- 1) The Forum develop a statewide or regional strategy for Effectiveness Monitoring that takes into accounts the interests, investments, and overlapping strategies of other regional, federal, state, and tribal parties.
- 2) The Forum sponsor a workshop of IMW practitioners, clients, and interested parties to clarify the purpose of IMWs, evaluate progress to date, and develop specific recommendations for improving IMWs.

The SRFB approved those recommendations in October, including approval to fund up to \$50,000 for contractual support to develop an Effectiveness Monitoring Strategy.

The forum postponed action in September with regard to recommendations on two other proposed monitoring efforts: remote sensing (WDFW proposal), and data management improvements for status and trends monitoring (Ecology).

What decision is asked of the Forum?

Develop forum recommendations to the SRFB with regard to funding WDFW's remote sensing proposal, and status and trends data management improvements (Ecology proposal).

Freshwater River and Stream Status and Trends Data Management Proposal

Background: The Department of Ecology has collaborated with the Conservation Commission and Department of Fish and Wildlife to develop a quality assurance monitoring plan for conducting a statewide, probability-based sampling program to provide quantitative, statistically valid, and consistent estimates of the status and trends in the physical, chemical, and biological conditions of Washington's rivers and streams. In FY09 Ecology prepared to implement the monitoring plan in the Puget Sound Salmon Recovery Region by completing a number of preparatory tasks under an existing intergovernmental agreement (IAC 200818) with the Puget Sound Partnership. In FY10 Ecology began sampling under a second agreement with the Partnership (IAC201002).

Efforts to implement this monitoring program have been coordinated with the Washington Forum on Monitoring, Salmon Recovery Funding Board, Pacific Northwest Aquatic Monitoring Program Steering Committee, and Salmon Recovery Region representatives.

In addition to field preparation and training tasks completed under IAC 200818, Ecology developed a Status and Trends data management system (STM). This database allows the large volume of field and laboratory data collected under the Status and Trends set of protocols to be centrally housed and managed. The database has been constructed to allow interested parties outside the agency to provide Ecology data collected using defined protocols and field data forms to submit their data to Ecology. STM is closely integrated with Ecology's main environmental information management system, EIM. Currently, the database is accessible to Ecology staff and data can be downloaded and transmitted in limited formats to other interested parties.

Project Description: The STM database project is intended to:

- Expand the Status and Trends data management system so that the data are web accessible to all interested parties by June 30, 2010. The proposal would significantly expand the functionality of the current system to allow the data to be more fully used.

Deliverables:

- Ability to retrieve desired Status and Trends detailed data elements (e.g. large woody debris raw data) along with chemistry data for any site or set of sites of interest via the web. The detailed status and trends data are currently housed in separate tables from the summary metrics and chemistry data and the web interface will allow users to make single queries to access all information for any site or set of sites
- Ability to report an expanded set of metrics.
- Ability to do map-based searches of sites.
- Ability to conduct selected statistical analyses of the detailed data (e.g. single cumulative frequency distributions (cfd) and comparisons of multiple cfd; show statistical differences.
- Allow both temporal and spatial views of the data.

12/1/09 - Cusimano

The following tasks will accomplish this objective.

Task 1. ***Write Information Technology Project Plan***

Task 2. ***Define functional business requirements***

Convene an expanded user group that includes outside interest groups (e.g., Biologist conducting habitat monitoring, King County DNR benthic invertebrate database managers)

Task 3. ***Design System***

Task 4. ***Build, Test, and Implement System***

Task 5. ***Train Users*** (May include the development of web-based training module.)

Budget

The total cost to cover all budget categories for this project is \$140,000 (costs based on a detailed scoping process completed by Ecology during summer 2009).

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AGENDA Item # 7

Intensively Monitored Watersheds Workshop

Presentation by:

Steve Leider, Governor's Salmon Recovery Office
Ken Dzinbal, Washington Forum on Monitoring

Problem/Issue Statement

In October 2008, the Salmon Recovery Funding Board indicated interest in having the Forum review and recommend an appropriate allocation for SRFB monitoring investments.

In response, the Forum convened a workgroup to review SRFB monitoring programs and strategy documents. This included a focused review of the SRFB-funded Intensively Monitored Watersheds program. The Forum workgroup's major recommendations with regard to IMWs were:

1. Maintain the current IMW effort for now
2. Host a workshop to address outstanding issues surrounding IMW studies.

The Forum approved the workgroup's recommendations in September, and staff presented them to the SRFB in October. The SRFB approved the recommendations and has requested the Forum host an IMW workshop.

Methods/Solutions Proposed

Staff recommends convening a workshop in early 2010 to include the main statewide and possibly region-wide (i.e. including Oregon and Idaho) IMW practitioners, clients, and interested parties to clarify the purpose of IMWs, evaluate progress to date, look for opportunities to streamline or improve the IMW program, and make other specific recommendations to improve efficiency, coordination, and integration of IMW's.

What decisions are asked of the Forum?

Review the attached background information, including the draft workshop agenda, and discuss:

1. Guidance and advice on the scope and elements to include the an IMW workshop.
2. Specific questions or topics to be considered at the IMW workshop.
3. Guidance on the level of detail, deliverables, and documents to result from the IMW workshop.

DRAFT

Washington Intensively Monitored Watersheds Workshop

Background

Intensively Monitored Watersheds (IMWs) are a specific type of effectiveness monitoring to determine the extent to which restoration actions result in desired ecological outcomes, especially in terms of fish response at the watershed scale. IMWs are anchored in numerous documents, including the 1999 “Extinction is Not an Option;” 2002 Comprehensive Monitoring Strategy; 2003 SRFB IMW monitoring program; 2000, 2004, 2008 FCRPS BiOps; 2009 draft NOAA RME Guidance; and in Washington’s federally approved recovery plans.

Since 2003, IMWs have been funded by the SRFB in western Washington, by BPA in eastern Washington, and in other parts of the Pacific Northwest.

Overarching questions driving the workshop

- 1. *Should the SRFB continue to fund IMWs?***
 - a. If so, how many?
 - b. How many IMW’s are needed across the region?
- 2. *Are IMWs on track to answer the questions they were designed to address, which are:***
 - a. *Does the collective effect of restoration and/or management actions result in improved watershed condition and fish responses?*
 - i. *Why or why not?*
 - ii. *What are the causes of those responses?*
- 3. *What are the long term monitoring and treatment timeframes and costs, and in light of such investments, what are the highest priority recommendations for improvements?***
 - a. Is the mixture of IMWs funded by the SRFB appropriate, given limited SRFB resources?
 - b. Is there a Puget Sound Chinook IMW opportunity?
 - c. What opportunities exist to improve IMW coverage with emerging initiatives in the Columbia River?
- 4. *What technical issues constrain IMW success?***
- 5. *How should policy-level impediments to IMW success be addressed?***
 - a. Reconciling restoration project planning and funding with IMW monitoring needs?
 - b. Keeping control or reference watersheds “controlled?”
 - c. Addressing issues like harvest on experimental streams?

Workshop goal

- Clarify the purpose of IMWs, progress to date, and specific recommendations for improvement

Audience/participants

- IMW practitioners, SRFB and Forum members/designees (NOAA/NPCC/BPA, regional recovery organizations)

Products

- Workshop summary – guidance and recommendations
- Feedback to SRFB, Forum, PNAMP, others

DRAFT

DRAFT WORKSHOP AGENDA

I. IMW background and overview (~60 min)

Short presentations

1. Introductions, workshop purpose and goals (Dzinbal/Leider)
2. Background (what is an IMW, and how WA got here) (Leider)
 - ISP/SSRS/CMS
 - IMWs in effectiveness monitoring context/PNAMP
3. Overview - IMWs in WA, see map (briefly for each - IMW design approach, monitoring, treatment and implementation status, results, overall costs) (Leider and others)
 - SRFB-funded (Lower Columbia, Hood Canal, Strait of Juan de Fuca, Skagit)
 - NOAA-funded (Asotin)
 - BPA-funded ISEMP (Entiat)
 - BOR-funded (Methow)
 - New or expanded initiatives (e.g., Columbia BiOp)
4. Refining IMW hypotheses – results of recent treatment effects modeling analysis - “how much treatment is enough to detect responses?” (Roni)

II. Implementing individual IMWs and characterizing the whole (4+ hrs)

Full group or breakout discussions (depending on number of attendees)

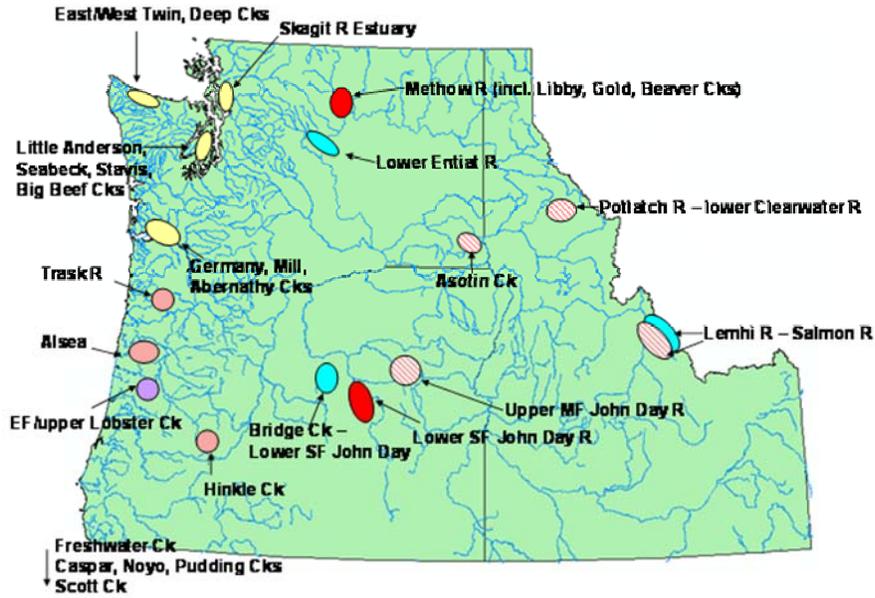
Topics (and example prompting questions)

- Results –
 - What are individual and collective IMWs revealing to date about responses of habitat and fish to restoration actions?
 - Which IMWs are progressing well, and which are struggling? In what way(s) and why?
 - For individual and collective IMWs, is there sufficient technical, institutional, and funding capability to meet expectations?
- Recommendations –
 - What, if any, changes are needed to the list of WA IMWs funded currently?
 - What are new opportunities to cost share or add new IMWs?
 - Should any IMWs be substantially revised or dropped?
 - What would increase the likelihood of individual and collective IMWs to meet expectations?
 - Oversight, coordination/collaboration, policy support and incentives, funding coordination?
 - Are common data protocols and meta-analytical tools needed?

III. Wrap-up and Next steps

- Workshop summary
- Recommendations to Forum, SRFB, PNAMP, others

DRAFT



Color coding (number of IHWs)
Yellow = SRFB (4)
Blue = SPAISEMP (3)
Orange cross-hatched = NOAA/PSMFC (4, NOAA also contributes Lower Columbia)
Red = BOR (2)
Dark pink = OSU Watersheds Research Coop (3)
Purple = ODFW (1)

*Washington Forum on Monitoring
December 2, 2009*

AGENDA Item # 8

Update on Anadromous Fish Monitoring and Evaluation Sub-Regional Meetings

Presentation by:

Bruce Crawford, NOAA Fisheries
Steve Martin, Snake River Salmon Recovery Region
Eric Neatherlin, WDFW

Problem/Issue Statement

At the June forum meeting, a panel comprised of CBFWA, BPA, NPCC, and WDFW discussed their joint approach for developing a monitoring and evaluation strategy for anadromous fish monitoring in the Columbia Basin. A key part of the process to develop the strategy was completion of a series of sub-regional workshops across the basin.

The sub-regional workshops were completed in late summer – early fall 2009, and in October a final consolidation workshop spanning five days was held in Skamania, WA. The panel will present the outcome of the Skamania final workshop meetings, including lessons learned and next steps.

Methods/Solutions Proposed

The panel will include representatives from NOAA-fisheries, the regional salmon recovery regions, and WDFW.

What decision is asked of the Forum?

This is an update on an on-going process. There may be implications for how the Forum coordinates other monitoring efforts in light of the outcome of this process.