

## Methow Restoration Council

January 20, 2015

### Participants:

Name	Organization/Affiliation
Crystal Elliot-Perez	Trout Unlimited
Greer Maier	UCSRB
Jenni Novak	WDFW
Jennifer Molesworth	Reclamation
Jessica Goldberg	MSRF
John Crandall	MRC
Ken Muir	USFWS
Kristen Kirkby	Yakama Nation
Paul Wagner	Colville Tribes
Teresa Fish	Yakama Nation

### Meeting Notes:

**John Crandall –Monitoring Update:** the fifth of March, a Thursday, there will be the annual Upper Columbia Monitoring conference. In the past this has been everyone coming together to talk about monitoring planned for the year so that people can coordinate activities. It will be at the Chelan Fire hall. We are trying to change format so that it is more informational about the monitoring; we have developed a programmatic worksheet that is a way to track all of the different monitoring programs that are going on; there is a GIS layer that goes along with it. We have a lot of monitoring here; some are local, some are from outside of the basin. We sent out the worksheet to all of the different groups a few weeks ago, and the response was incredible. Now the spreadsheet is updated; we will bring all of that to the meeting and the worksheet is being replicated in all three basins in the Upper Columbia. We will have a series of presentations on some of the monitoring that is going on; one is on juvenile fish survival; still working on that agenda. It will be a good time to meet people, and talk to other people that are doing monitoring.

There is a new database out for temperature “NorWest”; it is led by the Forest Service.

<http://www.fs.fed.us/rm/boise/AWAE/projects/NorWeST.html>. They made a data request from all people collecting temperature data, and they got a lot of data. It includes WA, OR, ID, and parts of MT and WY. They have modeled the temperature data and took the observed data and created a model that predicts temperature. Pretty accurate because they have so much data, but the drawback is that many sites don't have year-round or on-going data. The purpose is to use for conservation planning, and they have climate change scenarios. They have 45,000,000 data records, 15,000 stream sites. Products you get are GIS layers (they have done the August mean so far).

Last week Jennifer and I went to the RTT meeting. There were presentations on different monitoring – ChaMP gave an update, some associated lifecycle modeling, a lot of information out there, looking at survival and production in our different basins. A lot of modeling going on through different groups. One of the things that CHaMP presented was “River Styles” ([www.riverstyles.com](http://www.riverstyles.com)), which leads to an evaluation of fish habitat – trying to link habitat to fish, river recovery potential.

Jennifer Molesworth—the RT T notes from that meeting will be out in a few weeks, and they will have more information. Products of this are habitat maps, recovery potential map, and strategic plan.

**John–Outreach Update:** MSRF wrote a grant through UCSRB for the Lead Entity outreach funds, and we got funding for Watershed Watchers and our Salmon in the Classroom in the 6<sup>th</sup> grade. We got a new fish tank in the 6<sup>th</sup> grade class. Last week we got a bunch of O.Mykiss alevins for the tank – it is very

cool. There will be a series of three presentations that will go with it. We will cover salmon lifecycles, stream energy and productivity – photosynthesis, algae, etc. We also will talk about recovery planning and the 4 Hs, then we will have a roundtable debate among the kids. The kids are into it, and the school is very supportive. We are developing a curriculum that can be shared across the Upper Columbia. We are also preparing to do a water quality survey to ask people to find out what they know and think about water quality. There will be a prize; the survey link will go on the bulletin board, several list serves. It is supposed to be Methow specific. The objective is to find out what the community knows about water quality and also what clean water means to them. This is going to be done as part of our Ecology 319 funding.

Jennifer—it will be interesting. There are all sorts of contamination types, including fires.

John—we are rapidly approaching the first draft of the Pacific Lamprey Restoration Guide. Working with Eric Wittenbach, and we have a lot of help from others providing images, etc. It will be structured like the Methow fish guide that we have. It will have a lot of information and potential restoration actions that would benefit lamprey.

### Round table

**Paul Wagner—Colville Tribes:** we have a couple of projects in the works. We are putting a bridge on Beaver Creek at the Stokes crossing; we are doing a couple of pump-tests on Little Bridge Creek to replace a surface diversion at Aspen meadows.

Jennifer Molesworth and I are going to look at Volstead Creek, but we have to wait for less snow. I will also be looking at the Mission Timber sale area on Libby Creek with Crystal.

**Kristen Kirkby –Yakama Nation:** Teresa joined us in the last month or so. Not a lot of activity right now; we are working on equipment/office work.

**Jennifer Molesworth –Reclamation:** deadline for the targeted solicitation was last week. RTT will be looking at those proposals in February, and Reclamation and BPA will be getting together on February 27<sup>th</sup> to evaluate proposals. There were five applications; one from TU and four from MSRF.

Next week, Methow Arts is going to be reviewing the proposals for the Car Art – the car bodies that will be coming out of the river.

Methow Conservancy is doing class on the Fires, and I am doing the aquatics part.

Reclamation is still working on the MVID project with TU – they are done drilling the well field that will serve the west side pipeline; working on the supply system; on the east side they are working on laterals; the individual well component is also moving forward. We are also working on Twisp River Floodplain project with MSRF – it is at 60% design; the TU Barkley Project is closing in on 30% design.

**Crystal Elliot – Trout Unlimited:** TU is working with Ecology on some potential options for funding the Red Shirt Mill project. Stay tuned.

The suction dredging reform legislation – House Bill 1162 dropped last week, so call your representatives. The purpose of the bill is to try to help WDFW to get a handle on the impacts of suction dredging in the state. They don't have a way to quantify the impacts under current law; we worked with WDFW to craft the bill. The premise is that WDFW will be directed to institute a study period where

they track impacts of suction dredging and they develop recommendations if/how to change existing regulations. UPDATE: hearing scheduled for 2/12 at 1:30pm in Olympia.

Through the NCW Forest health collaborative, we are working with the MV Ranger District to help them maximize efficiency and effectiveness for the aquatic assessment on the Libby Creek Watershed in relation to the Mission timber project. This involves filling data gaps on roads, stream condition, and fish use, and then turning that into an evaluation of restoration opportunities. They've asked for help from the NCW Forest Health Collaborative, and now we are trying to figure out what they need. Richard Vacirca has a model and will be getting with Gene to figure out what data they need.

**John Crandall – Methow Monitoring/MSRF:** we put two abstracts in to the salmon recovery conference – one was on lamprey restoration guide, and the other was a proposal to develop a panel on restoration strategies and approaches – short term vs. long-term solutions.

**Greer Maier—UCSRB Updates:** today is the kickoff for the Habitat Work Schedule; we collect information on the projects we do, we update the number of projects and accomplishments. Each year we look at the previous year, so we are looking at 2014. Each project sponsor will usually have one person who is responsible for entering the information into HWS. We have our core metrics that we track, and there are other metrics for some specific projects. The state is starting to report on the state level, so we will be able to see where we fit in. It will be about a 2 month process to update the HWS with 2014 project information – make sure your project is in the system, marked complete, and enter all the metrics. If you need help, we have info on our website. You also can call Brittany Bowles, Greer or Joy if you have questions. There will be a prize for project sponsors who finish their projects by the deadline of February 20. Jessica will help make sure that the project list is complete for our subbasin; all projects related to listed fish regardless of sponsor or funding sources. Then we will go through a QAQC process to make sure the information is accurate. Also, we are looking to develop a partnership to develop a reporting tools system that can pull information from HWS and make nice charts and graphs.

Other UCSRB updates – the draft SRFB process schedule is going to be sent out soon, Joy will send out. Not a lot of changes. She is trying to see if people want a debrief, and will let people know. There is a UCSRB board meeting this Thursday – there will be a few interesting presentations. Grant PUD did a avian predation management in the Potholes reservoir system, and were able to reduce the number of smolts eaten by 80%. They presented on the plan last year and are now presenting on the results.

This year is a science conference year, but it probably will be in spring 2016 to give the monitoring folks enough time to analyze data, but it still may be in the fall. We are also five years after the last Adaptive Management conference, but we will likely merge the next one with the science conference and the theme will probably be related to the five management objectives in the Recovery Plan.

Jennifer—to complement the science conference, the workshops that the RTT is putting on are really great.

Greer—I agree

Greer—the SRFB conference is in May; also River Restoration NW is February 3<sup>rd</sup> -5<sup>th</sup>. There is also a PIT tag conference in Skamania next week.

The 5-year stock status review is also 2015-16; we will be working with RTT to provide NOAA with information – basically a check in. Things like regulatory mechanism are hard to evaluate, will be providing information, also providing information on habitat; we weren't able to provide information last time, so will be good to participate this time.

I have been working on the Hatchery Report; I hope to release it at the SRFB conference. It has been delayed by the State of the Salmon – I have to write our regional summary. It is a good resource for finding information on salmon recovery.

Finally, the targeted solicitation for the Methow is working through the review process.

**Next MRC February 17<sup>th</sup>**

<b>Definitions of Commonly used Acronyms</b>	
AEM	Action Effectiveness Monitoring
ANS	Aquatic Nuisance Species
AREMP	Aquatic and Riparian Effectiveness Monitoring Program
BACI	Before, After, Control, Impact (study design type)
BEF	Bonneville Environmental Foundation
BO/BiOp	Biological Opinion
BPA	Bonneville Power Administration
CAC	Citizens Advisory Committee (for SRFB funding applications)
CAO	Critical Areas Ordinance
CBFWA	Columbia Basin Fish and Wildlife Authority (pronounced "cubfwah")
CCFEG	Columbia Cascade Fisheries Enhancement Group
CCT	Colville Confederated Tribes
CHaMP	Columbia Habitat Monitoring Program
CMZ	Channel Migration Zone
CREP	Conservation Reserve Enhancement Program
CSF	Community Salmon Fund
EDT	Ecosystem Diagnosis and Treatment
ESA	Endangered Species Act
FCRPS	Federal Columbia River Power System
FFFP	Family Forest Fish Passage Program
FIA	Forest Inventory and Analysis program (USFS)
Four "H"s	The four factors affecting salmon recovery: Hatchery, Hydro, Habitat, Harvest
HACCP	Hazard Analysis and Critical Control Point
HGMP	Hatchery Genetic Management Plan
HPA	Hydraulic Project Approval
HSRG	Hatchery Scientific Review Group
HWS	Habitat Work Schedule
IMW	Intensively Monitored Watershed
IS	Implementation Schedule
ISEMP	Integrated Status and Effectiveness Monitoring Project
ISRP	Independent Scientific Review Panel
IT	Implementation Team
LW/LWD	Large Wood/Large Woody Debris
M2	Middle Methow (a project area defined as the reach between Winthrop and Twisp)
MaDMC	Monitoring and Data Management Committee (pronounced "madmac")
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MRC	Methow Restoration Council
MSRF	Methow Salmon Recovery Foundation (pronounced "em-surf")
MVRD	Methow Valley Ranger District
MWC	Methow Watershed Council
MYAP	Multi-year Action Plan (also sometimes called the 3-year workplan)
NFF	National Forest Foundation
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration

NPCC	Northwest Power and Conservation Council
OBMEP	Okanogan Basin Monitoring and Evaluation Program
OWL	Okanogan Wilderness League
PCSRF	Pacific Coastal Salmon Recovery Fund (pronounced "Pacsurf")
PIBO	PACFISH/INFISH* Biological Opinion
PNAMP	Pacific Northwest Aquatic Monitoring Partnership
PUD	Public Utility District
QAQC	Quality Assurance, Quality Control
RA	Reach Assessment
RCO	(Washington State) Recreation and Conservation Office
REI	Reach-based Ecosystem Indicators (used in Reach Assessments)
RFEG	Regional Fisheries Enhancement Group
RFP	Request for Proposals
RM	River Mile
RPA	Reasonable and Prudent Alternative(s)
RTT	Regional Technical Team
SEPA	State Environmental Policy Act
SMP	Shoreline Management Plan
SOAL	State Owned Aquatic Lands
SOW	Statement of Work
SPIF	Specific Project Information Form (used with the Corps ESA programmatic)
SRFB	(Washington State) Salmon Recovery Funding Board (pronounced "surfboard")
SRP	State Review Panel (for SRFB funding applications)
STEM Database	Status, Trend and Effectiveness Monitoring database at NOAA's Northwest Fisheries Science Center
UCSRB	Upper Columbia Salmon Recovery Board
TRT	Technical Recovery Team (NOAA)
USFS	US Forest Service
USGS	US Geological Survey
VSP	Viable Salmonid Population
WAT	Watershed Action Team (the MRC is our WAT)
WDFW	Washington Department of Fish and Wildlife
WDNR	Washington Department of Natural Resources
WNFH	Winthrop National Fish Hatchery
WWP-TU	Washington Water Project of Trout Unlimited
YN	Yakama Nation

\*PACFISH/INFISH The PACFISH/INFISH Biological Opinion (PIBO) Effectiveness Monitoring Program was initiated in 1998 to provide a consistent framework for monitoring aquatic and riparian resources on most Forest Service and Bureau of Land Management lands within the Upper Columbia River Basin.