

FINAL
Columbia River Basin 100th Meridian Team Meeting Minutes
USFWS Columbia River Fisheries Program Office
Vancouver, Washington
June 14, 2006

Introductions:

(See attached attendance list)

Review of meeting minutes and “to do” list from last team meeting and current meeting agenda:

(See meeting agenda and “to do” list at end of this document)

Stephen asked for comments/corrections to draft minutes from last CRB Team meeting – There were none

Stephen reviewed the “to do” list from the last team meeting held on February 15, 2006 (attached) – Everything had been completed or was “in the works”

One change was made to the agenda, moving Bill’s presentation on Watercraft Inspection, Burma Shave signs and CRB Marina Partnership back to the 10 minute up-date section to allow more time for reviewing the new WIT Video

Individual agency updates:

Steve Olhausen, USFWS – He and staff are currently working on monitoring protocol for NZMS

Michele Hollis, Port of Portland – They are getting more involved in zebra mussel monitoring at Port facilities because of their role in Rapid Response

Paul, USFWS – Working with an Idaho Falls Museum to loan-out portion of their ANS display currently housed at the Bonneville Visitors Center, for the summer.

Tim, USACE – Working with Jim Athearn on Rapid Response Plan for the Bonneville Project. Organizing a workshop on potential ANS transfer implications of Columbia River dredging to include USACE staff from the Waterways Experimental Station. Also working to include ANS language in the dredging specifications for the CRB. Helped host a public workshop on ANS held at Bonneville in May- 30 people, 4 hours.

Jill Leary, Lower Columbia River Estuary Partnership – Monitoring for ANS at confluence of Sandy and Columbia rivers

Robyn, PSU – About to start field sampling for mid-Columbia ANS survey. The Canada Department of Fisheries and Oceans has received some funding for ANS monitoring in coastal BC, PSU is helping with their study design. PSU is also involved in a new green crab eradication study in California's Bodega bay. Also have become involved in a feral swine eradication project. PSU will be hosting a meeting of the Western Regional Panel on September 13-14

Christopher Walker, USGS – Have submitted a study proposal to BPA to add ANS to information on current habitat classification system.

Scott, WDFW – The Department has received funding from the Governor's office for emergency tunicate response. Several control strategies currently being tested in the field including; spray blasting and selective removal of large reproductive individuals. Conducting diver surveys to up-date distribution

Kristin, Oregon State Marine Board (OSMB) – Oregon's Clean Marina Program put on workshops for marina operators and others about OSMB's Clean Marina Program and Kristin thanked Robyn and Sam for making ANS presentations. She has also been visiting marinas interested in the Clean Marina Program and distributing ANS signs. OSMB's Sustainable Boating Program has recently put up billboards in the Portland area pertaining to ANS and clean boating.

Sam, OSU Sea Grant – Has been working with school science curriculum teachers in Oregon and bio supply houses about the proper use and disposal of lab specimens used for classrooms science experiments. Has produced and distributed a new brochure targeting Oregon science teachers about this issue. This brochure is a good template for similar programs in other states and has specific local contact information for help with disposal if needed. Sam has also been working with the Oregon Department of Agriculture to provide ANS information to irrigation districts in Oregon, two workshops to date

Dave, OSU – Will give report later on freezing as a way to kill NZMS's on field equipment

Bill, PSMFC – Brief set-up of this afternoons WIT video. Will report later on other projects

Joan, EPA – Region 10 has recently awarded a \$30K Regional Geographic Grant to Nature Conservancy to develop a three-region pilot Early Detection and Rapid Response Program for Oregon. The project will use existing group networks and volunteers to establish a long-term framework for public and private partnerships to address new invasions at the project scale (and eventually at the state level) To get involved or for more information, contact Mandy Tu at imtu@tnc.org .

EPA in partnership with NOAA, WSDA and Restore America's Estuaries contributed funding for printing a brochure and laminated beach cards by People for Puget Sound titled "Identifying Spartina in Puget Sound" that show the four invasive species and five additional species that are often confused with spartina. Joan is also working on an ANS and global warming workshop for headquarters staff. Denver office has requested help with providing ANS training for SW tribes.

On June 6, the EPA ORD held a Washington DC workshop on global warming to discuss potential impacts of climate and land use change on invasive species. A "white paper" is being prepared on the topic following that workshop. A follow-up meeting is being planed for September.

Fred, IDFG – Thanked Paul for help with HAACP training for agency field biologists. NZMS workshop held at Haggerman Hatchery this spring. Hatcheries looking into using CO2 to treat NZMS's in closed systems. The Idaho Legislature allocated 4 million dollars for milfoil control projects. Fred is part of panel reviewing applications for control funding. Still working at installing marina/access area ANS signs, an estimated 60-80 percent of locations have already been signed

Jim, ODFW – Jim's emphasis has been on educating agency staff about ANS issues. He is meeting with all District Fish Biologists in their work areas to provide one-on-one information and getting their input while preparing a map of infested areas. He is also working with the pet industry in Oregon to improve compliance with existing state laws

Pam, WDFW – Scott is leaving at the end of the June to take a position with USGS and Pam will be acting in Scott's position until someone is appointed permanently. There is a hiring freeze at WDFW so that may take awhile. The tunicate issue is consuming much of her time these days although she remains active in at least a hundred other things (my words). They have just hired 2 people to do boater surveys, 2 divers for the tunicate study and continue to have one biologist on staff to monitor ballast water although they have lost their data entry person recently

Eileen, MDFWP – Just had small power wash unit stolen. She has just hired six temporary field workers for boater surveys and the TIS evaluation study. They have been actively surveying Fort Peck Reservoir for zebra mussels. So far they have surveyed 15-20 miles of shoreline with only 1500 to go. Have not found zm's but lots of salt cedar. Eileen has plans to purchase two self-contained recirculation power wash systems this year. One unit will be purchased from Prefix and will be stationed at the Hell Creek State Park on Fort Peck, the other is a USFS model on a trailer and will be moved around as needed. Both systems should be available by late summer. Purchases are based on preliminary bids

from the manufacturers. If actual costs are higher, something else may have to be done since funds are limited.

Eileen is also conducting some survey work on aquatic vegetation. So far there are no reports of Eurasian milfoil anywhere in Montana and she wants to make sure that is correct. Montana is also doing hatchery inspections, all federal, state and private hatcheries receive an annual ANS inspection. They have submitted a proposal to BPA for funding the ANS Program within the Columbia Basin portion of the state. Her department is moving to make her position and program a state funded project because of the trend in lower federal funding each year. Federal funds will be used to fund temporary positions and operations in the future.

Senator Burns has made an AIS research station a high priority campaign issue for his reelection. His proposal would house the facility at Montana State University in Bozeman

Heather Hergert, Bonneville Crime Witness Program – Program will be funded and continue to provide 24 hour assistance in receiving and dispatching incoming calls reporting zebra mussel or other ANS sightings

Jim, BPA – They continue to monitor and support a variety of ANS prevention activities

Jim, PSMFC – Will report later on draft zebra mussel response plan for the Bonneville Project

Goby Invasion – Paul and Pam

Paul related the story of how a species of goby (thought to be the Amur goby) was discovered by OSU graduate students in the spring of 2005 while working on a fisheries project in an off-channel wetland pond connected to the lower Lewis River near LaCenter, Washington. The discovery was not reported to WDFW until this spring when Paul received a report from Barbara Steele at OSU. Paul passed on the report to Pam at WDFW and they sent a biologist to investigate. They found a healthy, reproducing population of gobies with at least two year classes evident and adults in spawning condition.

The Team expressed concern over the lack of communication and what effect that may have on WDFW's ability to eradicate or control the spread of this invasive species. Current plans have WDFW taking the following actions this year;

1. Conducting diver and shoreline surveys of up-stream and downstream locations on the Lewis and Columbia Rivers to assess their distribution
2. Taking some control/eradication measures depending on the results of that survey work

3. Contacting local pet and aquarium supply operations to see if they can determine the source, and
4. Start the process adding the species or entire family to the prohibited species list in Washington during the next legislative session

This Committee formally recommends that WDFW begin the process for placing the Amur goby or entire goby family on it's list of prohibited species and that the state's of Oregon and Idaho take similar steps. If further research determines a listing is implacable or unnecessary the listing can be withdrawn before the end of the legislative session

The PSMFC will also submit a letter requesting this action be taken

New Zealand Mudsail Management Plan, Publication – Sam, Robyn and Paul

The NZMS Management Plan has been completed and has tentative approval from the ANS Task Force and is currently available on their website. Tina Proctor has been the lead for this project. The Plan will be placed on the Federal Register for review later this summer and will hopefully be approved by November, 2006 in time for the next funding cycle.

Paul and others put on a NZMS Workshop in Idaho this spring. Focus of the Workshop was how to control NZMS in hatcheries and emphasized how to keep clean areas clean and how to disinfect areas exposed to NZMS.

Draft of new publication “How to Prevent the Spread of New Zealand mudsnails Through Field Gear” was distributed to Team members for review. They currently plan to print and distribute 10,000 copies and put it on the OSU Sea Grant website. Sea Grant is paying for the printing. ***Please provide comments, pictures, and illustrations to Paul, Robyn or Sam by June 30.***

Latest results of the dry ice study were reported by Scott Wiedermer, OSU graduate student. He reported that they were able to achieve 100% mortality of NZMZ on hip boots, chest waders and wading shoes in an ice chest using 10 pounds of dry ice placed at the top of the cooler after 4 hours exposure.

Watercraft Inspection Training Video – Bill, Don Chapman and Mitch McGeary, Videoland Productions

Bill and Don described the current status of this early cut of the WIT Training Video and then, with some technical difficulties, previewed the video for the group. The Group asked questions and discussed the video for 20 minutes afterward, providing suggestions and feedback on everything from content to style. Copies of this version of the video were distributed to the Team for further review. ***Comments should be sent to Bill by Friday June 23.***

Columbia River and Bonneville Dam Rapid Response Plans – Stephen, Paul, Tim and Jim

Stephen and Paul handed-out copies of the DRAFT Zebra Mussel Response Plan for the Columbia River Basin. They briefly described the plan, how it was developed and what it entails. *They requested comments on the plan by June 30, they especially want input on pg 6 -, activity 2; pg 8 - activity 4; pg 10 - activity 5; pg 15 - scenarios.*

Jim and Tim described the Bonneville Project Rapid Response Plan that was written as a supplement (appendix report) for the CRB Plan. They described how the plan was developed and what is included. Copies are available through PSMFC and most team members were sent electronic drafts a couple of weeks ago. Bonneville was selected because it was the most complicated project and the thinking is that this plan will serve as a template for other dam projects. *Comments on the draft plan to Jim or Tim are due by June 30.*

Law Enforcement Hotline – David Britton

Dave explained and clarified the need for a single national hotline where active sightings of zebra mussels or other ANS can be reported 24/7/365 to a real person who can screen and direct the call to someone who can respond to the situation and take action to prevent the spread of zebra mussels, particularly on trailered watercraft. The USGS hotline is not designed to do this, it's primarily a place to keep track of new infestations. The Crime Witness Hotline is probably too regional to be effective as a national hotline. Bob Pitman has asked Dave to begin the process of setting-up a new, more responsive and national in scope hotline that would be continuously monitored through the University of Texas at Arlington. They are seeking support for the new hotline from this group and others. They would like to see this done soon so that the new number can be advertised in the next printing of the Zap the Zebra brochure and all other signs and publications.

A conference call with Paul, Dave, Stephen and Bob will be set-up sometime in the next couple of weeks to discuss this further. *Comments on the hotline proposal and any ideas for revising the zap the zebra brochure should be made to Bob and David by the June 30*

Zebra Mussel Monitoring Database – Mary and David B.

Mary updated the group on the current status of the volunteer substrate monitoring program. Dave demonstrated the new monitoring database which he has linked to the Google Map website which allows anyone using the database (on the 100th Meridian website) to pinpoint the location of all current monitoring sites using aerial photography. The site will include veliger sampling data as well

as substrate sites. This new database is still in development and *Dave would like everyone to check it out and provide any comments/suggestions on ways to improve it to him within the next couple of weeks*

100th Meridian Funding Priorities – Stephen and Paul

PSMFC has about \$40K, USFWS, Region 1 has about \$28K and USFWS, Region 4 has about \$20K in available funds for Lewis and Clark Bicentennial projects which must be spent by the end of the current calendar year. The group discussed project needs and priorities for this funding, including establishing veliger sampling labs in Montana and/or PSU, HAACP training, reprinting publications, Marina Workshops and more WIT training. *Submit any proposals or priority suggestions for these funds to Stephen and Paul by June 30*

Oregon Clean Marina Program – Kristin Fiendel, OSMB

Kristin presented a Powerpoint explaining the Clean Marina Program in Oregon. The Program is operated by the Oregon State Marine Board (OSMB) and began in 2005. There is a 16 member steering committee made up of representatives from marina operators, user groups and environmental groups.

The purpose of the program is to certify and recognize marinas that follow a set of best management practices defined by the program. Most of these have to do with protection the environmental quality of the marina site by eliminating waste and fuel spills and promoting public safety and orderly boating. So far 31 marinas have pledged to become Clean Marinas, but only one has been certified to date.

There has been a good deal of coordination so far between members of the CRB ANS Team and Kristen's program. Robyn and Sam have presented information on ANS at several of the regional workshops the program uses to explain the clean marina program and recruit more pledges. She has also been working with this group to include some best management practices for ANS as a requirement for certification in the future. They have already approved the insertion of a new section on ANS into the Program Guide Book. Kristin and Bill have also worked together to coordinate overlap and improve efficiency between the ANS Marina Outreach Partnership Program and the Clean Marina Program on the Oregon side of the Columbia River. Kristian provided an article on the program for this year's CRB ANS Basin Watch Newsletter.

Washington has also started a Clean Marina Program

Ten-Minute Updates

Idaho ANS Plan – Fred

Phil Bandy has moved to become the Deputy Director at the Idaho Department of Agriculture. IDFG is looking for a contractor to complete the plan and hope to have a draft ready by the end of 2006.

PNAMP – Paul and Stephen

The Pacific NW Aquatic monitoring Program held a meeting yesterday to find out what types of monitoring are being done for ANS in the Region. Several members of the CRB ANS Team attended. *A meeting summary will be distributed to CRBANS Team members as soon as it's available by Paul and Stephen*

USACE Dredging Workshop – Tim

Tim is working to set-up a workshop with USACE dredging specialists to develop standards for the relocation of dredges between areas and the handling of dredge spoils as it relates to preventing the spread of ANS. He hopes to the meeting set-up by the end of this fiscal year.

Oregon Outdoor School – Robyn

Robyn and Al Smith attended and gave ANS presentations. A question about when the Educational Chests that Sam and OSU Sea Grant have been working on will be available. *Sam indicated that he hopes they will be available by November*

Burma Shave Highway Sign Campaign – Bill

Bill described the problems and frustration they are having with the Montana and North Dakota DOT's which has lead to the postponement of installing signs in US 2 and I-94 near the Montana/North Dakota border in time to be included in the evaluation of TIS systems. *He will work with the Federal Highway Administration this winter to get a clarification to the National Highway Beautification Act* that is being interpreted differently between states. He is confident he can get the clarification that will open the door to the use of this sign campaign in all states except Montana where there is a state law that specifically prohibits the use of "Burma Shave" signs.

Scott wanted to work with Bill to see about getting signs up on some Washington roads this year

Watercraft Inspection Training – Bill

The Washington Fall Boating Law Enforcement Conference will not be held this fall as anticipated, so the live WIT training has come to an end

for now until more funding becomes available. With the completion of the WIT Video and instruction manual that part of the program will also come to an end.

Marina Operator Conference – Bill

Bill has suggested that in place of his annual tour to CRB partners to restock and energize them, a workshop where they come to a central location to get information from several presenters. He suggested alternating years between workshops and tours. In order to get partners to travel to a workshop some sort of incentive will be needed. *He will continue to work on this proposal and present a specific proposal to the Team at the next meeting.*

Next meeting was scheduled for October 18, 2006 at the USFWS Columbia River Office in Vancouver, Washington

To Do List – 6/14/06 CRBANS Team Meeting

This Committee formally recommends that WDFW begin the process for placing the Amur goby or entire goby family on it's list of prohibited species and that the state's of Oregon and Idaho take similar steps. If further research determines a listing is impractical or unnecessary it can be withdrawn before the end of the legislative session

PSMFC will also submit a letter requesting this action be taken

A draft copy of “How to Prevent the Spread of New Zealand mudsnails Through Field Gear” was distributed to Team members for review. *Please provide comments, pictures, and/or illustrations to Paul, Robyn or Sam by June 30.*

WIT Training Video. *Comments should be sent to Bill by Friday June 23.*

DRAFT Zebra Mussel Response Plan for the Columbia River Basin. *Stephen and Paul requested comments on the plan by June 30, they especially want input on pg 6 -, activity 2; pg 8 - activity 4; pg 10 - activity 5; and pg 15 - scenarios.*

DRAFT Bonneville Project Rapid Response Plan. *Comments to Jim or Tim are due by June 30.*

Comments on the new reporting hotline proposal and any ideas for revising the zap the zebra brochure should be made to Bob and David by the June 30

Zebra Mussel Monitoring Database. *Dave would like everyone to check the website out and provide comments/suggestions on ways to improve it to him within the next couple of weeks*

Funding Priorities. *Submit any proposals or priority suggestions for remaining funds to Stephen and Paul by June 30*

PNAMP. *A summary from the June 13 meeting will be distributed to CRBANS Team members as soon as it's available by Paul and Stephen*

Educational Chests. *Sam indicated that he hopes they will be available by November*

Burma Shave Highway Sign Campaign. *Bill will work with the Federal Highway Administration this winter to get a clarification to the National Highway Beautification Act to pass along to the state DOT's*

Scott will work with Bill to see about getting Burma Shave signs up on some Washington roadways this year

Marina Operator Conference. *Bill will continue to work on this and present a specific proposal to the Team at the next meeting.*

Meeting Agenda – 6/14/06 CRB ANS Team, Vancouver, Washington

**DRAFT
AGENDA**

100th Meridian - Columbia Basin Group

June 14, 2006

USFWS, Columbia River Fisheries Program Office
1211 SE Cardinal Court, Suite 100,
Vancouver, WA 98683 (360) 604-2500

9:00 - 9:10	Introductions & Announcements	Stephen/Group
9:10 - 9:15	Comments and approval of February Minutes	Stephen/Group
9:15 - 10:15	Individual Agency Up-dates	Group

10:15 - 10:30	Break	
10:30– 10:50	Goby Invasion (<i>Rhinogobius brunneus</i>)	Paul/Pam
10:50 –11:30	New Zealand Mudsnaill Management Plan, Publication, Prevention, Dry Ice/Cooler Study	Sam/Tina/Robyn/Paul
11:30 –11:50	Watercraft Inspection Training and Burma Campaign Update; Marina Operator ANS Conference	Bill
11:50 -12:20	Lunch (provided) <ul style="list-style-type: none"> Premiere of the New WIT Training Video 	Bill
12:20 - 1:00	Rapid Response Planning, Progress	Paul/Stephen/Jim/Tim
1:00 - 1:30	Law Enforcement Hotline	David Britton
1:30 – 1:50	ZM Monitoring Database	David Britton/Mary
1:50 - 2:30	100th Meridian Initiative Funding Priorities, 2006-2007	Paul, Tina, Stephen, Group
2:30 - 2:40	Break	
2:40 – 3:10	Oregon Clean Marina Program	Kristin Fiedel
3:10 - 4:15	<u>10 Minute Up-dates on:</u> Green Crab/Ballast Water Idaho ANS Plan PNAMP ANS in the CRB Publication Corps Dredging UpdateWorkshop(?) Oregon Outdoor School <i>Rhinogobius brunneus</i> – Lewis River	Stephen Phil/Fred Group Paul Lonnie/Tim Robyn Pam
4:15 – 4:30	Recap Work Assignments, Set next meeting date	
4:30	Adjourn	

**100TH MERIDIAN-CRB GROUP MEETING
USFW – COLUMBIA RIVER FISHERIES PROGRAM OFFICE
JUNE 14, 2006**

ATTENDEES

Name	Organization/Address	Phone	Email
Jim Athearn	PSMFC 14026 S. Shoreline Drive Medical Lake, WA 99022	509-299-5582	Jathearn99@aol.com
David Britton	USFWS Southwest (Region 2), Fisheries Department of Interior - U.S. Fish & Wildlife Service UTA Box 19498, Arlington TX 76019	817-272-3714	david_britton@fws.gov
Joan Cabreza	EPA Region 10 (ETPA-083) 1200 Sixth Avenue Seattle, WA 98101-3188	206-553-7369	cabreza.joan@epa.gov
Sam Chan	OSU Sea Grant 200 Warner Milne Road Oregon City, OR 97045-4015	503-655-8632 ofc 503-679-4828 cell	samuel.chan@oregonstate.edu
Tim Darland	USACE PO Box 150 Cascade Locks, OR 97014-0150	541-374-4551	timothy.j.darland@usace.army.mil
Robyn Draheim	Portland State University Center for Lakes and Reservoirs-ESR PO Box 751 Portland, OR 97207-0751	503-725-4994	draheim@pdx.edu

Name	Organization/Address	Phone	Email
Kristen Feindel	Oregon State Marine Board 435 Commercial St NE, Suite 400 Salem, OR 97301	503-378-2625	kristin.feindel@state.or.us
James Gores	ODFW 3406 Cherry Avenue, NE Salem, OR 97303	503-947-6308	James.k.gores@state.or.us
Heather Hergert	Crime Witness Hotline Routing:CT-Z992 5411 New Hwy 99 Vancouver, WA 98663	360- 418-2108	hmhergert@bpa.gov
Paul Heimowitz	US Fish & Wildlife Service Region 1 911 NE 11th Avenue Portland, OR 97232-4181	503-872-2763	paul_heimowitz@fws.gov
Michele Hollis	Port Of Portland PO Box 3529 Portland, OR 97208-3529	503-240-2032	Michelle.hollis@portofportland.com
Jim Irish	BPA Federal Hydro Projects – PGF-6 PO Box 3621 Portland, OR 97208-3621	503-230-5914	jtirish@bpa.gov
Jill Leary	Lower Columbia River Estuary Partnership 811 SW Naito Parkway, Suite 120 Portland, OR 97204	503-226-1565 Ext 235	Leary@lcrep.org

Name	Organization/Address	Phone	Email
Steve Olhausen	USFWS 1211 SE Cardinal Ct. , Suite 100 Vancouver, WA 98683-9684	360-604-2536	Steve_olhausen@fws.gov
Fred Partridge	Idaho Department of Fish & Game 600 South Walnut PO Box 25 Boise, ID 83707-0025	208-334-3791	fpartridge@idfg.idaho.gov
Mary Pfauth	Portland State University Center for Lakes & Reservoirs – ESR PO Box 751 Portland, OR 97207-0751	503-725-2937	H2mp@pdx.edu
Stephen Phillips	PSMFC 205 SE Spokane St., Ste 100 Portland, OR 97202	503-595-3100	stephen_phillips@psmfc.org
Eileen Ryce	Montana Fish, Wildlife and Parks 1420 East 6th Avenue Helena, MT 59601-3872	406-444-2448	eryce@mt.gov
Christopher E. Walker	USGS - Biological Resources Division	509- 538-2299 Ext. 205	cwalker@usgs.gov
Scott Wiedemer	OSU 200 Warner-Milne Road Oregon City, OR 97045-4015		wiedemes@onid.orst.edu

Name	Organization/Address	Phone	Email
Bill Zook	PSMFC 320 E. Penzance Road Shelton, WA 98584-8579	360-252-2700	bjzook@msn.com
Pam Meacham	WDFW 600 Capitol Way, N. Olympia, WA 98501	360-902-2741	meachpmm@dfw.wa.gov
Scott Smith	WDFW 600 Capitol Way, N. Olympia, WA 98501	360-902-2724	smithsss@dfw.wa.gov
Andy Thoms	BPA PO Box 3621 Portland, OR 97208-3621	503-230-5827	acthoms@bpa.gov