

MINUTES

100th Meridian Initiative - Columbia River Basin Team Meeting

June 11, 2008

Portland International Airport Conference Center

Portland, Oregon

1. Attendees: Stephen - add to list from sign-up sheet

Stephen Phillips, Chair, PSMFC
Susan Ellis (phone), CDFG
Tina Proctor (phone), USFWS
Randy Henry, OMB
Bill Zook, PSMFC
Scott Smith, USGS
Eric Anderson, WDFW
Paul Heimowitz, USFWS
Joan Cabreza, PSMFC
Keith Hatch, BIA
Tim Darland, USCOE
Jill Hardiman, USGS

Rian Hooff, ORDEQ
Tom Friesen, ODFW
Marla Harrison, Port of Portland

Pam Meacham, WDFW
Scott Lund, BOR
Eileen Ryce, MDFWP
Blaine Parker, CRITFC
Mark Sytsma, PSU
Amy Ferriter (phone), IDA
Fred Partridge, IDFG
Sam Chan, OSU
David Britton, USFWS (phone)
Tim Counihan, USGS
Robyn Draheim, PSU
Jim Athearn, PSMFC (recording secretary)
Glenn Dolphin, OMB
Jim Irish, BPA
Jeff Hogle, USFWS

2. Comments and Approval of February 2008 Minutes:

Stephen Philips welcomed the group. There were no additional comments on the minutes - they have been posted on the 100th Meridian web site:

<http://www.100thmeridian.org/ColumbiaRT.asp>

3. Update on Recent Quagga/Zebra Introductions:

- Susan Ellis - no new introductions in California.
- Continuing routine inspections - 100,000 boats have been inspected, 10,000 cleaned, 135 confirmed with mussels (mainly from Lakes Mead and Havasu)
- Have a new guide book for water agencies' outreach.
- Policy on fishing tournaments - must be permitted by California Fish and Game (they impose "conditions").
- Developing protocols for aquatic culturists - meeting with culturists tomorrow.
- Pilot project to stop boats on I-5:
 - 12 dogs trained and they want 12 more
 - 2 "hits" with dogs
 - Randy Henry asked where the boats were headed and Susan said she will find

out and send the info to Stephen

- Randy also asked about water quality in San Justo Reservoir - Susan said it is ok and the zebra mussels are reproducing. The reservoir was drawn down 5 feet and they could see that the infestation is widespread. She will get the water quality information.
- Bill Zook asked about any consideration for eradication of the zebra mussels - Susan said there was a proposal but funding is an issue. They are having problems with a drought so there isn't any excess water for allocation if they drain the reservoir and there is also an ESA issue in the delta which is limiting water availability. If they do anything, they will wait until fall when the reservoir is down.
- Scott Smith asked if they have considered Dan Malloy's technology - Susan thinks it is premature since it won't be affirmed or available by this fall. They would also need all appropriate permits even for a pilot effort and they aren't done yet. They need EPA approvals first and they are still "in progress".
- Eric Anderson asked about California's policy/protocol when they find a boat at a border check station (e.g., last February). Susan said the check station people work for the Department of Food and Agriculture. A vehicle/vessel coming into California is quarantined (it can go to its final destination but must sit there in quarantine). If it is going elsewhere, California has no authority to hold it.
 - The boat last February had approximately 1000 live quagga mussels on it.
 - Eric - Washington's policy is, if they catch it, they won't let it go.
 - Susan suggested going to the source where it came from since it wasn't infested in California. The problem was a lack of inspection at Lake Mead although she was surprised that they didn't attempt to at least scrape the mussels off the boat since the power washer was out of service. Another problem is that they don't have 24-7 coverage at the stations.
- Susan - also discussions on how to communicate between states.
 - Paul Heimowitz said the larger issue is states' policies on decontamination but communication issues can also be dealt with.
- Paul - 24 June House Natural Resources Committee, Subcommittee on Water and Power Subcommittee action on the National Park Service (and others) issues of staffing and resources at Lake Mead.
 - Susan - the Metropolitan Water District has been involved in discussions because they have had large expenses from the Lake Havasu infestation. Also, the BOR hasn't committed any funds to deal with the San Justo infestation and treatment could be done relatively easily.
- Scott Smith asked how many individual introductions have occurred and Susan said only at San Justo. She thinks there is another infestation somewhere else that would have been the intermediate source for San Justo. However, they do allow live bait there and, although there are some fishing tournaments, they only allow trolling motors (thus no big bass boats).
- Tina Proctor gave an update on the Colorado zebra mussel infestations - Lake Pueblo State Park south of Denver.
- Last fall they found 2 zebra mussels and 1 veliger.
- They will start another search next week (plankton tows and substrates).
- All boats in/out are being checked to make sure they are clean and drained.
- \$7.2 M is available - ½ to State Parks and ½ to the USFWS.

- They held training at Grand Junction and near Denver - attendance was high at both sessions.
- A Rapid Response Plan is done for Pueblo Lake and their ANS Management Plan is almost done.
- Colorado legislation allows border check stations - 5 are being set up.
- New Utah legislation - . Invasive Species *Interdiction Act*.
<http://le.utah.gov/~2008/bills/sbillenr/SB0238.htm>
- There is still no definite confirmation of mussels in Lake Powell - Bill Zook added that he heard during recent training that it is believed Lake Powell is clean.
- No news from Kansas.
- Scott Smith asked what our response would be if Congress asked what resources do we need and for what?
 - Paul - individual agencies are developing information but it isn't clear that all plans would mesh.
- Scott Lund - there was a BOR meeting in Denver last week to discuss O & M issues they are facing. They developed a list of funding needs including sampling, monitoring, and preventative measures for O & M. There was little optimism about getting sufficient funding.

4. CRB Rapid Response Plan Update:

- Stephen Phillips - they have received some more comments on the template.
- Paul Heimowitz - not much action lately except from the Forest Service - they have been working with the BLM to develop a detailed plan. Paul saw an early draft but he isn't sure where they are right now.
- A comment for our plan - have it reviewed by the National Incident Management Office (NIMO) Team - there are also regional NIMO teams. They are under Homeland Security.
- From here - focus on getting signatory agencies to finalize internal legal reviews so that they can all be ready to sign off.
- A FAQ section has been developed - Paul passed out copies for comments (by the end of June).
- Due to a lack of involvement so far, Nevada and Canada may be taken off of the signatory list.
- Eileen Ryce said that Montana (MDFWP) is ready to sign the plan unless there are major changes.
- Paul said there is a meeting in July with Washington folks, including the governor's office, to reach agreement on a state signature (possibly get a signature this summer).
- Blaine Parker said the presentation to CRITFC last month by Stephen was well received but he hasn't received any feedback yet. Although he is confident the tribes will go along, he thinks there will be more discussion on a signature either by each tribe or by CRITFC.
- Tom Friesen thinks Oregon is on board and the Governor's office will probably sign.

5. Rapid Response Exercise 2:

- Stephen discussed the need for a follow-up rapid response meeting some time in October (15th or 16th) - details to follow.

- Probably have a 100th Meridian CRB meeting at the same time.
- Will apply comments from last year and, hopefully, the Rapid Response Plan will be signed by then.
- Paul said he has contacted the facilitators from the first exercise about including some MAC team members and possibly having a broader application for the exercise this time. It is also an opportunity for publicity to draw more attention to ANS - more to follow on this.

6. CRB Waters Risk Model:

- Mark Sytsma gave a power point prepared by Steve Wells on the risk model.
- It covers a large area and their resources are limited.
- The factors they used include calcium levels, boater use, and pH with calcium data weighted higher.
- Generally looked at larger water bodies and used 100th Meridian boater survey information. A complete lake list is available from them - Flathead Lake was rated highest, then Lake Kookanusa, Snake River (Idaho), Snake River (Oregon), Lake Coeur d'Alene, Columbia River, Lake Pend Orielle, Whitefish Lake, Snake River (Washington), Lake Roosevelt, and Noxon Reservoir.
- Monitoring information is pretty good for priority areas.
- Local conditions may trump regional conditions (e.g., Tualatin River has more Calcium than the Willamette River).
- Scott Smith asked how this compares with Whittier's analysis. Mark said it is similar but day use information makes this system more sensitive.
- They have added ABS (black) pipe to the Portland samplers and are sampling the whole water column.
- The 2007 results will be done by the end of June. A draft map of monitoring locations will be posted at: <http://mussels.geos.pdx.edu>
- Sampling in 2008 will occur in Wyoming, Oregon, California, and Nevada (Wild Horse).

7. Oregon Dreissenid Response Strategy:

- Randy Henry said the February 2008 boat incident led to discussions with game officers and, as a result, a Draft Enforcement Strategy & Protocol was prepared. Copies were handed out and Randy asked for comments.
- OSP is willing to provide enforcement but not clean boats.
- Still some resourcing issues with respect to discussions of a contamination vessel.
- There will be a July 22 "summit" regarding funding, coordination, staffing, and participation. He has money for 4-5 pressure washing units - they are on order and should be in next week. They will be located at Diamond Lake, Klamath Falls, Baker City and on I-5. They cost \$7 to \$8,000 per unit, including trailers, tanks, assembly, etc.

8. State Legislative Initiatives:

Idaho: Amy Ferriter - the Idaho Invasive Species Act was passed this year - it calls for developing an invasive species list, vessel inspections and emergency eradication (possibly up to \$5 M available). A list of highlights was handed out.

- Rulemaking is ongoing and needs to be to the legislature by July 7.
- Other legislature actions: revising their deleterious animal rule and preparing an invasive species rule. They want consistency between rules and will shift some species to the invasive rule.
- Bill Zook asked if the \$5 M could be used for prevention or just response. Amy said it might be possible but they would need "willpower, etc." to go for a deficiency warrant.

Montana: Eileen Ryce - Their next legislative session will be in January 2009.

- They have two initiatives and the Governor is supportive:

(1) Invasive Species Council - could be formed by executive order within the next few months.

- Would be co-chaired by Department of Agriculture and Department of Fish and Game and Administered by Dept. of Ag.
- Would coordinate all invasive species efforts within the state and work on legislation for January.

(2) 1-3 invasive species bills to be sponsored by a state senator from Flathead.

- They have a list of actions from the Governor (but no guarantee of funding), including border check stations, boat inspections, designating infected waters, quarantine for infected waters, and transport (including macrophytes).
- MDFWP has requested funding for 1-2 FTEs plus operations costs to help stabilize their program.

Washington: Pam Meacham - Several years ago Washington added a \$5 boater fee but there has been a drop in boater registration this year (economy, fuel costs, etc.) so they are looking for new funding sources. A sticker program might be considered

- The ballast water rules are still not finished. More work to be done on the structure for levying fines.

9. Sport Show and Outreach Strategies:

- Jim Athearn - since 2004 have been covering 5 - 6 sports shows per year. Locations have varied including Washington, Oregon, California, Utah, Colorado, and Idaho.
- Try to cover different cities each year to avoid public saturation and are now at a point where need to rethink the benefits of continuing the program and, if it is to continue, what changes are needed (including a new "look" for the booth).
- Want to avoid duplication of state efforts.
- Fred Partridge said that the states could probably cover the activity if there was coordination of materials, etc.
- Eric Anderson supported the need for revamping the booth.
- Sam Chan asked what new materials would be beneficial and suggested more visuals like the sampler covered with mussels. He also suggested possibly partnering with boating groups and working with communications specialists to hone our message.

- Paul Heimowitz suggested a renewed effort for a survey to evaluate our I & E efforts and the effectiveness of the exhibit - could be in the form of exit questions or a passive evaluation.
- Everyone was asked to provide feedback.

10. Hauler Outreach:

- Stephen Phillips - A letter (copy provided) went out in April to about 800 trucking companies and included some basic ANS information. There has been some response.
- Next step is to do a similar mailing to state trucking associations (will include a copy of the video, etc.).
- Other options for inspections, "green hauler" programs, etc. have not been developed.

11. Watercraft Inspection Training and Video:

- Bill Zook gave a power point presentation on the training program.
- They gave 25 training sessions last year to personnel from 80 agencies.
- Program benefits: make as many people as possible familiar with organisms, inspection, and decontamination programs; good timing (quagga mussel discovery); major outreach opportunity; rallying point for state/regional programs, and extensive media coverage.
- Two levels of training given beginning in April 2008:
 - (1) Level one (basic) - seven given so far by Bill
 - 2 hours long to introduce "big picture".
 - Education video and inspection/decontamination video.
 - Questions & answers.
 - Hands on inspection of a boat.
 - Written exam/certification.
 - (2) Level 2 - Advanced - third one next week.
 - Given at Lake Mead by Wen Baldwin - 2 days (12 hours).
 - Small class (10 - 12), hands on.
 - Graduates certified as incident responders and level one trainers.
 - 19 graduates so far.
- Education video: multipurpose I & E to "inspire action".
 - Replaces old "It Only Takes One" video - Covers a broader geographical area and more user groups, using various media techniques.
 - Originally planned for it to all be in high definition but some footage wasn't available so they scaled back.
 - Produced 1500 copies - can be reproduced.
 - Is listed on the 100th Meridian web site.
- Bill asked if there is still a desire to do a 5 - 6 minute executive summary version.
Feedback?
- They could also put raw footage, under various topics, on the 100th Meridian web site.
Feedback?

12. Dreissenid Dive Monitoring/Training:

- Scott Smith - They have established teams for emergency response to confirm and quantify an infestation.
- He noted that it is difficult to get divers to "dive together".
- Where to from here? - they have trained teams that can travel but the intent was mainly for the Columbia River Basin.
- Paul H noted that this should be a long-term, sustained effort.

13. Monitoring Update and Discussion - PCR(s), Veliger, etc.:

- Mark Sytsma - in developing a monitoring program, do they use microscopes to monitor and PCR to validate or PCR to screen and microscope to validate? What density is detectable by either technique?
- Scott Lund - Can use PCR to go through lots of samples but Mark pointed out that it is more costly (\$300/sample) than microscopes.
- Paul H said it would be good to standardize techniques, hopefully for less money, and use for monitoring multiple species.
- David Britton (phone) - meeting with BOR and PICES to determine what they have to offer versus other approaches.
 - Why PCR versus light microscopy? - more sensitive at lower densities but should still keep microscopy as a backup.
 - Both PCR and microscopy are prone to false negatives (if mussels are not spawning, etc.) so need rigorous monitoring/sampling program during the whole year.
 - More accurate than light microscopy, PCR can detect both zebra and quagga mussels or just dreissenids.
 - PCR is faster - can do multiple samples at the same time (microscopy samples must be done sequentially).
 - PCR is transferable to a large number of labs - therefore, competition could lower costs.
 - 18S gene methodology - original techniques were not very specific so they are now looking at 28S gene ribosomal DNA with a primer specific to zebra or quagga mussel genes.
 - ITS 1 and ITS2 regions (better than 18S or 28S regions) - internal transcribes spacers are specific at the genus level.
 - Universal primer will match with lots of organisms then use specific primers on the other end to get to species.
 - Also looking at protocol for quantitative PCR to get an indication of veliger density.
 - PICES is also looking at RNA versus DNA. RNA degrades very quickly and it "is everywhere" so it is more likely to give false positives.
 - David has a power point show for the above information and he will try to put it on the 100th Meridian web site.
- Scott Smith - one approach to using RNA is converting it to PNA (protein nucleic acid) to detect even more species in mixed-stock assemblages.

- Paul H asked how close we are to balancing PCR versus microscopy for cost versus speed versus accuracy. David acknowledged that costs must be less and he recommended a workshop/meeting to compare everything and decide.
- As an aside, David thinks that, at the Denver lab, the BOR will cover half the costs if the samples come from BOR waters.
- Blaine Parker asked how many veligers must be present to be detected with PCR and David said less than one whole veliger. However, if the sample is full of "muck" it is very costly to separate everything.

14. 100th Meridian Web Based Response System:

- Paul Heimowitz - Regarding the February 2008 incident on I-5, the preliminary alert went to a limited list.
- Paul passed out a proposed structure for ANS reporting.
- David Britton said he has put together a data base that is almost ready to go on the web. He still needs to consider how to define jurisdictional levels. It would be generally slower than a phone tree.
- Paul suggested that it should be ready fairly soon so that it can be reviewed and tested.

15. Member Issues/Updates:

a. Joan Cabreza

- Nutshell Newsletter: 1300 people on her mailing list - will continue to produce the newsletter under contract with PSMFC.
- Contact Joan with any information at: joancabreza@msn.com
- Past newsletters (1 - 19) are posted on the EPA web site at:
<http://yosemite.epa.gov/r10/ECOCOMM.NSF/Invasive+Species/Document-Library>
They are also on the PSMFC web site along with the Columbia Basin Newsletters.
- Master gardener sales - she is doing a Q & A form for the species being sold to eliminate invasives.

b. Pam Meacham

- Tiger Muskies: Right now there are no tiger muskies in Washington but there an interest in having them in a net pen in the Columbia River.
- Tunicates are getting worse - being found in other areas.
- They are doing tunicate surveys in marinas and boat cleaning areas.
- Mussel surveys/inspections - nothing found in 2007.

c. Paul Heimowitz

- There is still an opportunity to get agency logos on the Stop Aquatic Hitchhikers signs with some cost sharing.
- Total cost is \$7900 for 20 - 30 signs.
- Scott Smith said he may have some funding.
- Brochure for International Waters ANS - Columbia River Basin: ANS story; complement lower and mid-Columbia River surveys; general species profiles; out for review soon (rough draft passed out); done by end of the FY.

- A meeting was held at Hagerman Hatchery regarding control of New Zealand mudsnails in hatcheries. They are looking at solutions to apply regionwide, including techniques to physically separate mudsnails from the water supply. In regard to whether this could also apply to zebra/quagga mussel veligers, it was decided that more discussion is needed (system is at Hagerman so no veligers present; could confound ongoing monitoring efforts).

d. Amy Ferriter

- Post cards to registered voters.
- Parks and Recreation - boater registration insert (November).
- Placements for Idaho marinas - lake-specific for Pend Oreille and Coeur d'Alene
- Eurasian watermilfoil at Sandpoint - storefront information will include other species.
- Info paper on aquatic plants replacements for new species added to noxious species list.
- Hydrilla - discovered in Bruneau River in December 2007 and treatment began February 25, 2008, using diquat. According to their surveys, snails have not been impacted by the diquat application. After a follow-up survey, they plan spot treatments, diver pulling and hand pulling. More surveys will be conducted around the general area.
- Rapid Response Plan is in the attorney general's office. They have made positive comments but nothing is signed yet.
- Monitoring - what Steve Wells did was very useful. They have identified high priority areas on Steve's list where there is no current monitoring so they can rectify that.

e. Fred Partridge

- He is showing inspection training video to IDFG staff.
- Gearing up to cover veliger monitoring - not all in place yet for microscope work.

f. Sam Chan

- The snail *Assiminea parasitologica* similar to the New Zealand mudsnail has been found in Coos Bay estuary (tolerates salt, brackish, and fresh water).
- Vibrio bacteria is also affecting native mollusks. It produces a protease enzyme that kills veligers.
- Has a \$300,000 NOAA grant to study the roles of schools, curricula, and biological supply houses in spreading ANS. It is part of a coordinated effort to look at all regions across the U.S.

g. Rian Hooff

- Oregon ballast water program - inspection and boarding: no sampling yet to verify ballast exchange in mid-ocean.
- Looking for a grant (\$10,000) to develop a new tool to sample water to distinguish mid-ocean versus coastal water.
- Task force on shipping related pathways. No hull fouling legislation yet because not enough information is available. Instead they are surveying ships coming in regarding their hull cleaning practices, etc.
- Their lab in Oregon City is doing outreach on field activities (cleaning/decontamination).

- h. Mark Sytsma
 - The Bruneau River hydrilla infestation is bothering everyone downstream and he recommends a workshop to get additional input. He can provide a list of appropriate names for people dealing with hydrilla in other areas.
 - They will be doing hydrilla surveys next year.
 - Data base for signs (location) - what is the status? Randy Henry said they are working with a contractor to document sites, maintenance, etc.

- i. Keith Hatch
 - Their regional director is ready to sign the Rapid Response Plan.

- j. Marla Harrison
 - They planned to inspect the dredge Oregon but it didn't happen due to schedule conflicts. It is now back in the water for 180 days.
 - The OPB DVD "The Silent Invasion" is out.

- k. Tim Counihan
 - Amur goby sampling - caught 30 this year near LaCenter. He thinks they represent a couple year classes.

- l. Tim Darland
 - Made an ANS presentation at the Corps' ranger conference.
 - The dredge Essayons was cleaned.
 - Invasive Species Leadership Team - meeting in the fall, hopefully at Bonneville, to review ANS issues.

- m. Scott Smith
 - Working with PNAMP to improve coordination on outreach/communication. He hopes to come up with a program to go out to local councils with information to enlist their participation.
 - Data base of native/non-native species being put on the web - covers California to B.C., Canada, and Alaska.

- n. Glen Dolphin
 - Boater outreach - passed around a copy of examples they are using.
 - Web site - U-tube clips.
 - Six people participated in level one training.
 - Passing out Zap the Zebra brochures.
 - Included information on invasives in their annual newsletter.

- o. Randy Henry
 - Spent Monday and Tuesday at Diamond Lake - the Forest Service is doing a video on invasives.
 - Invasive species summit in July (Salem) - objectives: to bring federal, state, and industry together; develop cost effective, shared, proactive strategies; develop a list of

obstacles and strategies to address current lack of knowledge; develop a broad funding plan; legislation to support broad/long-term program. Summit will be structured for a general public session and one for policy leaders. State congressional leaders and staff will be invited, also.

- Other legislation: enforcement authority bill (similar to Washington's for stopping/inspecting boats); funding for county weed control programs; feral swine program, and emergency fund concept.

p. Tom Friesen

- Replaced Jim Gores as ODFW representative.
- Developing decontamination/inspection guidelines for ODFW field activities. Currently guidelines within the state are mixed. Can also be used by people that they issue permits to.
- Getting 6-10 calls /day on feral pigs.

q. Eric Anderson

- April - Conrad's false mussel incident. Boat was decontaminated.
- Puget Sound Partnership Program - \$70,000 to continue the marine boat yard certification program. Plan to certify 30 marine yards by next year.
- Has revamped the state vessel inspection form to combine boating safety and ANS.
- Has drafted a statewide emphasis patrol for July 4 weekend. The goal is to conduct 1700 inspections in 3 days plus man 2 check stations (I-5 and I-90) to inspect all boats for one day.
- Washington DOT signs - contracts were signed last week so he hopes to have signs up by August (21 of 31 route to be posted).
- They will be hiring a second full-time officer in July.

r. Blaine Parker

- Received level two certification at Lake Mead. He said that the quagga mussel contamination down there was "an eye opener" and he is concerned about all of the boats being moved away from there.

s. Scott Lund

- The BOR held a task force meeting last week in Denver and their upper management recognized the potential costs/problems for O & M at BOR projects. They also want to look at how to incorporate their activities with those of the 100th Meridian group.

t. Robyn Draheim

- Working with the Forest Service stream monitoring protocol team to develop protocols to monitor for aquatic invasive species and add to their data base. They will also develop plans to decontaminate gear.

u. Eileen Ryce

- The WRP meeting is scheduled for September 9-11 at Fort Collins, Colorado. A field trip is planned for the 9th with the main meeting on the 10th (focus on control/mitigation strategies, milfoil control strategies, zebra/quagga mussel control efforts, and effective

outreach) and the business meeting and updates on the 11th. Details are posted on their web site.

- Meeting last week in Colorado of mainly agriculture folks about invasive species. They discussed funding initiatives, coordination and outreach strategies. Apparently organized by DuPont to be a weed meeting but morphed into invasive species - with no invasive species coordinators invited.
- With the high water this year, their calcium and pH sampling is delayed. They will also continue plankton and substrate sampling.
- Boat inspections start tomorrow although there will be fewer this year (less funding). They will target high profile events.
- Plan to do some VHS surveillance.

v. Jill Hardiman

- They are continuing their New Zealand mudsnail survey in the Klickitat River.

w. Stephen Phillips

- Mark Schneider was the POC at NOAA until he retired. Randy Fisher wrote a letter to Bob Lohn 3 weeks ago explaining the necessity for NOAA involvement and a need to replace Mark. So far, no response.
- Stephen also talked to the NOAA representative Peg Brady at the ANSTF meeting in Charleston and she is interested although we can't assume there will be coordination between the region and national offices.
- Mitten Crab cards have been reprinted.
- He is taking orders for Zap the Zebra brochures.

16. Public Comment:

- There were no public comments.

17. Recap Work Assignments, Set Next Meeting Date:

- See attached "To Do List" for a summary of work assignments.
- The next meeting was tentatively scheduled for October 15, 2008, location to be determined. This will be confirmed after a date the next rapid response exercise has been set.

DRAFT TO DO LIST

**CRB Team
June 11, 2008**

Comments on the “what does your agency get out of this plan” briefing paper for the “Columbia River Basin Interagency Invasive Species Response Plan: Zebra Mussels and Other *Dreissenid* Species are due by Friday.

Scott Smith will follow up with USFWS on potentially partnering in the BRI company’s Lower Columbia River conservation display that will feature ANS.

Susan Ellis will provide Stephen/Paul destination information for the May I-5 Northern California Boat inspections.

Susan Ellis will provide cost for quagga canines to Fred Partridge.

Susan Ellis will provide water quality information on San Justo Reservoir to Randy Henry.

Stephen/Paul will develop strategy for how to add additional signatories to the CRB RR Plan after it has been signed off on by lead agencies (OR/WA/ID/MT/USFWS/NOAA/CRITFC).

Group - provide comments to Paul on a FAQ section that has been developed for the Rapid Response Plan (by the end of June).

Oregon, Washington and CRITFC need to pursue CRB RR Plan signatures in their agencies/states (Blaine, Tom, Allen/Pam).

PSMFC will review sport show booth and shows for 2009 and determine what changes need to be made, including a potential evaluation component. Group to provide comment to Stephen.

David Britton is working the Web Based Rapid Response tool for the 100th Meridian Initiative Website, expected draft product in the next two weeks.

PSMFC/USFWS will set date for next CRB RR Plan exercise and next CRB Team meeting by month’s end. Tentative date is October 15-16, 2008, Portland metro Area.

Funding will be sought for an executive (short) version of the “It Only Takes One Video.”

Paul will send out the new draft CRB ANS outreach brochure to the original subcommittee for review.