

# Rocky Reach Fish Forum

Wednesday, 7 January 2015

1:00 – 4:00 p.m.

Chelan PUD Second Floor Conference Room

Wenatchee, WA



Meeting called by Steve Hemstrom

Notes taken by Heidi Kunz

Chairperson, Tracy Hillman

## ***Attending Representatives:***

Hemstrom, Steve	Chelan PUD	(509) 661-4281	steven.hemstrom@chelanpud.org
Lewis, Steve (phone)	USFWS	(509) 665-3508 x14	stephen_lewis@fws.gov
Rose, Bob	YN	(509) 865-5121	rosb@yakamafish-nsn.gov
Truscott, Kirk	CCT	(509) 978-8031	kirk.truscott@colvilletribes.com
Verhey, Patrick	WDFW	(509) 754-4624	patrick.verhey@dfw.wa.gov

## ***Attending Participants:***

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# Meeting Minutes

## I. Welcome and Introductions

Tracy Hillman welcomed everyone to the Rocky Reach Fish Forum (RRFF) meeting. Attendees introduced themselves.

## II. Review of Agenda

Tracy Hillman reminded the group that the Department of Ecology had previously requested that the “draft” meeting minutes be sent only to meeting participants for review. Tracy Hillman asked the group if they would like him to continue with this approach or if they would like the draft notes sent to the entire RRFF distribution list. Those present agreed that draft notes should be sent to the entire distribution list; however, Steve Hemstrom reminded the group that although everyone would receive the notes, only those present would provide comments. Tracy Hillman added that on occasion, non-participants may read the draft notes and identify important errors that need to be addressed. For example, Bryan Nordlund has offered clarifying comments to notes even though he did not participate in the meeting. In such cases, comments received by those not present are generally added to the meeting minutes as footnotes. Steve Hemstrom would like to check to see if there are any requirements in the license regarding who should receive draft meeting notes. Patrick Verhey clarified that this is for the “draft” meeting notes only and that the “final” meeting minutes are available to the general public. Bob Rose suggested that Tracy Hillman email the RRFF to see if there are objections to sending draft notes to the entire RRFF distribution list. Steve Lewis reported that Chris Coffin would be the interim contact person to the RRFF for the Department of Ecology.

The January agenda was approved with minor changes to the order. Marcie Steinmetz asked to provide a brief update on the Aquatic Invasive Species Plan. The RRFF approved this addition to the agenda.

### Action Items:

- **Tracy Hillman will email the RRFF and ask them if there are any objections to sending the draft meeting minutes to the entire distribution list each month.**
- **Steve Hemstrom will check to see if there are any requirements in the license regarding who should receive draft meeting notes.**

## III. Review and Approval of Meeting Minutes

The RRFF reviewed both the draft November and December meeting notes. Chelan PUD requested additional time to review edits made by Steve Hays to the 5 November 2014 meeting minutes. The draft

November 2014 meeting minutes will be reviewed at the 4 February 2015 meeting. Draft notes from the 3 December 2014 meeting were reviewed and approved.

**Action Item:**

- **Steve Hemstrom will review comments from Steve Hays on the 5 November 2014 meeting minutes and make any edits necessary.**

#### **IV. Review of December Action Items**

- Steve Hemstrom will continue his analysis of PIT-tag detections at Rocky Reach Dam. He expects to finish the analyses within the next month or two. **Ongoing**
- The RRF will review the draft artificial propagation proposal over the next month. **Ongoing**
- Tracy Hillman and Bob Rose will work together to set up presentations for the January meeting. **Complete**
- Teneille Hatmaker will arrange WebEx for January's RRF Meeting. **Complete**
- Steve Hemstrom will check on and identify a date for the Tumwater Dam tour. **Complete**
- Steve Hemstrom will provide comments on the revised Concept Paper to Bob Rose. **Ongoing**
- Steve Hemstrom will review relicensing meeting notes and provide a definition for Pacific lamprey NNI. **Review of relicensing meeting notes is complete; definition for NNI is ongoing.**
- Chad Jackson will modify the 2015 Statement of Agreement for the 2016 juvenile white sturgeon release group and send it to Tracy Hillman. **Ongoing**
- Tracy Hillman will contact Paul Anders about the use of Ecopath with Ecosim to estimate white sturgeon carrying capacity. **Complete**

#### **V. White Sturgeon**

##### **Rearing Update**

Lance Keller reported that things are going well at both Columbia Basin and Chelan Hatcheries. He stated that at this point, mortality is not an issue and both hatcheries will begin culling down to their target number in order to provide the full stock of 6,500 juveniles to be released into the project area in 2015.

##### **Monitoring Update**

Lance Keller reported that he is expecting a report from Corey Wright at Blue Leaf Environmental on 2014 monitoring activities. Lance will review the report and provide it to the RRF for their review by the end of January. Lance will arrange to have Corey Wright give a presentation after his report has been

reviewed by the RRFF.

## Phase 2 Sturgeon Conservation Program – Ecopath with Ecosim Model

Lance Keller reported that Chelan PUD possibly has in-house data that can be used to fill some of the data gaps for the Ecopath with Ecosim model. Lance is currently trying to index what data from Chelan PUD can be used in the model. He reported that there may be room in the three-year budget with Blue Leaf Environmental for Corey Wright to do some additional analysis for Chelan PUD.

Bob Rose commented that he would like to see coordination between Grant and Chelan PUDs in order to provide comparisons on the results of their corresponding work on the model. Lance Keller agreed and will contact Chris Mott at Grant PUD.

Tracy Hillman reported that he spoke with Paul Anders about the use of the Ecosim with Ecopath model for estimating carrying capacities for white sturgeon in the Kootenia River system. Tracy said that Paul has not used the model, nor does he know of anyone who has used it for sturgeon.

### Action Items:

- **Lance Keller will review the Monitoring Report from Blue Leaf Environmental and arrange to have Corey Wright of Blue Leaf Environmental give a presentation to the RRFF in February or March.**
- **Lance Keller will contact Chris Mott at Grant PUD and Corey Wright at Blue Leaf Environmental to discuss the use of the Ecopath with Ecosim model.**
- **Chad Jackson will modify the 2015 Statement of Agreement for the 2016 juvenile white sturgeon release group and send it to Tracy Hillman.**

## VI. Pacific Lamprey

### Artificial Propagation Presentations

Mary Moser, NOAA Fisheries, gave a presentation titled, “Artificial Propagation to Provide Juvenile Pacific Lamprey for Passage Assessment and Supplementation.” Following Mary, Ralph Lampman, Yakama Nation Fisheries, gave a presentation titled, “Supplementation Research for Pacific Lamprey Recovery.” Lastly, Ann Gannam, US Fish and Wildlife Service, gave a presentation titled, “Pacific Lamprey Culture: Production of Fish for Tagging Evaluations.” The presentations will accompany these notes.

Following the three presentations, Steve Hays asked what the optimum density is for larvae per tote. Ann Gannam responded that during the feeding trial, 25 was the maximum per tank; they noticed that growth was reduced when density reached over 300 larval per tank. Bob Rose commented that at 16 weeks, each tank contained about 300 fish and had reached their maximum density. Ann Gannam noted that the study ended a couple of weeks early due to the government shutdown last year. She

commented that it is labor intensive to clean the tanks twice a week. She also noted that they would like to study further whether the fish are getting the most nutrition from the food being fed to them or from what is growing on the sediment in their environment.

The three presenters indicated that they were all concerned with the mortality bottleneck that occurs when the prolarvae first feed. Tracy Hillman stated that it looked like the best growth that Ann achieved in her experiments was achieved with a mixture of 80% yeast and 20% larval diet. He asked Ralph if this same diet was provided to the prolarvae during first feeding. Ralph Lampman stated that providing salmon carcass and algae helped improve survival rates at this life stage. They have tried to provide foods found in their natural environment that provide the most nutritional value, but have also used wheat flour to supplement the diets. Ralph stated that they would like to study whether it is more beneficial to feed the fish with the water flow on or off.

Ann Gannam stated that for her feeding study, they started with fish that were 51 days post-hatch and they didn't see much mortality. For the density trial they started with younger fish, used the 80% yeast and 20% larval diet, and noticed higher mortality.

Steve Hemstrom asked if the presenters were aware of any literature or estimations on natural-system, life-stage cumulative survival for Pacific lamprey in order to compare these natural rates to a hatchery setting. Ralph Lampman noted that they do not have this information, but they are attempting to achieve the highest rates possible in a hatchery setting regardless of what is possible in the wild in order to maximize their production. Ralph commented that the dead eggs may be used as a food source. Steve Hemstrom asked about the different feeding methods of the larvae. Ralph Lampman reported that he has noticed that when the water flow is stopped, the larvae come out of the sediment and feed on yeast in the water column. When the water is flowing, the larvae stay in the sediments. He has not observed them coming out at night. He believes they filter feed through the surface of the sediment and maybe in the water column, in addition to feeding on microbes that are growing in the sediment. Mary Moser found in her studies that the larvae do have the capacity to get food from the sediment and from the water column. She noted that the larvae may have different strategies for obtaining food depending on the situation they are in.

Tracy Hillman asked how they came up with the use of pineapple juice to help prevent egg coagulation. Ralph Lampman reported that they had heard from other researchers that the acid in pineapple juice worked well to separate the eggs. They experimented with some leftover eggs and found pineapple juice had the best survival rates. Mary noted that too much juice kills the eggs.

Bob Rose commented that the "Pacific Lamprey Culture Investigations: DRAFT Proposal to the Rocky Reach Fish Forum" was not intended to be very detailed, but that any additional information can be provided as needed. Kirk Truscott noted that if the RRFF continues to study the artificial propagation of Pacific lamprey, there are some critical questions that need to be asked. He commented on the need to study the dramatic loss that is occurring at three months post-hatch. Bob Rose commented on the need for studying the microbial community when it is associated with yeast, flour, or other food sources, and

how this compares with nature. He would like to make sure cultured fish from the study are prepared for survival in the wild. Bob Rose referred to the chart near the end of the proposal, which includes brief sub-objectives. He commented that they are in the process of prioritizing the primary types of activities that should be looked at within the limited time and resources that are available. Kirk Truscott commented on tank density of 300 individuals per tank that could be reduced to ensure maximum growth. Bob Rose responded that there could be two different types of objectives for the study. The first objective would be to get tags in the fish, which would include fish of various sizes. The second objective would be to consider it a supplementation program and consider when would be the best time to get the fish in the streams. Bob Rose confirmed that space is a limiting factor to the study at this time. Kirk Truscott asked about the time sensitivity of the current study and what to do with the live fish that are on site now. Bob said that it is not efficient to discard the fish that are in the study now and start over at a later date. RD Nelle stated that fish at different life stages travel differently through the dams and that needs to be a consideration when studying their release.

Bob Rose noted that it is important to consider which questions are relevant to the RRFF and also determine which questions, if answered, would help change a project effect. The propagation program could then be tailored to these questions.

Tracy Hillman asked the group if there was any opposition to moving forward with fully developing the "Pacific Lamprey Culture Investigations: DRAFT Proposal to the Rocky Reach Fish Forum." Steve Hemstrom commented that the Pacific Lamprey Management Plan (PLMP) has funding to, "develop the means to provide sufficient numbers of juvenile lamprey for these evaluations." There was no objection to the statement that this funding is totally separate from the RRFF's Concept Paper, "*No Net Impact and Mid-Columbia Regional Coordination, 5-Year Action Plan for Pacific Lamprey.*" Steve Hemstrom stated that Chelan PUD is ready to start talking about using some of the \$700,000 that was set aside, per Section 4.2.3 in the PLMP. Steve Hemstrom proposed that the money could be used for propagation and developing the means to provide juvenile lamprey for NNI mitigation or studies. He stated, however, that Chelan PUD is not very interested in doing survival studies. Steve Hemstrom stated that Chelan PUD can wait and do the project impact studies, assess the impacts and see what's avoidable and what is not, then use NNI funding to pay for unavoidable effects, which is what the PLMP states. On the other hand, Chelan PUD could focus on NNI projects found in the Concept Paper and work on how NNI can be achieved without doing survival studies. Steve Hemstrom stated that the PLMP does not direct Chelan PUD to meet NNI before the project effect studies are done. Chelan PUD is interested in alternative ways to achieve NNI. This could mean that Chelan PUD would take some responsibility for some Projects effects even though they have not been measured, and then fund NNI projects with agreement from the RRFF that NNI is being achieved. Chelan PUD is willing to talk more about using the \$700,000 to help raise animals. The Concept Paper's idea of trying to get to NNI through a set of projects is similar to what Chelan PUD was thinking; however, in Chelan's view, the structure of such an NNI agreement does not match the Concept Paper's funding methods.

Patrick Verhey asked Steve Hemstrom to elaborate on what he meant by the structure of the

agreement. Steve Hemstrom noted that administratively, Chelan PUD has taken steps to go through a legal and executive team review for approval to take an alternative path to achieve NNI (an NNI agreement) that is not envisioned by the PLMP. The NNI agreement would fund a number of projects throughout the life of the license to achieve NNI, because it would be difficult or impossible to conduct effects studies that prove what the unavoidable effects of the Project are. Steve Hemstrom said that Chelan PUD could agree to an alternative path with some stipulations. He clarified that this would mean Chelan PUD would consider funding NNI projects in lieu of conducting future juvenile survival studies. Additionally, Steve Hemstrom noted that Chelan PUD has been studying adult Pacific lamprey passage at Rocky Reach for a long time and this could continue even with an NNI agreement. Steve Hemstrom stated that Chelan's vision of the structure to fund NNI projects would be similar to the Tributary Fund in the HCPs. This would require the RRF by consensus to prioritize and approve individual projects for NNI funding.

Bob Rose asked if Chelan PUD would be rewriting the PLMP objectives and reopening the License if they decided not to do any juvenile survival studies. Steve Hemstrom noted that not conducting juvenile studies is an alternative path just as funding NNI before conducting the studies is an alternative path. Bob Rose stated that he doesn't think the Yakama Nation would accept not doing juvenile studies at Rocky Reach. He stated that a reevaluation time frame is a necessary component of Adaptive Management. Steve Hemstrom responded that the Concept Paper could also be applied to Adaptive Management, but in order to conduct survival studies on juvenile lamprey, they will have to wait for functional tags and methods to be available. Bob Rose referred to Mary Moser's presentation, which indicated that fish and tags are available. Bob Rose stated that he would like the RRF to consider determining which studies would be most beneficial and if they are possible with the resources available. He does not want to exclude the possibility of doing survival studies as part of a 5- or 10-year plan in case the technology becomes available in the future. He believes the RRF has the responsibility of evaluating the magnitude of potential effects.

Steve Hemstrom stated that there are 11 objectives in the PLMP and that Chelan PUD has completed all but two of them. Those not completed include (1) "Measure the type and magnitude of any ongoing project impacts on the downstream passage of juvenile lamprey using appropriate reasonable methods", and (2) "Identify and implement appropriate and reasonable measures to address unavoidable impacts to achieve NNI." Another objective that has not been completed is adult passage per 4.1.7, "*Once adult passage success has been achieved conduct monitoring every 10 years to confirm the success of any modification using radio telemetry or other method.*" This has not been completed because Chelan PUD is still conducting those adult passage studies at Rocky Reach and continues to measure adult passage success.

Bob Rose asked if they have a green light to move forward with artificial propagation studies with support from the RRF. The RRF offered no opposition and supported the development of the artificial propagation proposal. Bob Rose will move forward with his proposal, "*Pacific Lamprey Culture Investigations: DRAFT Proposal to the Rocky Reach Fish Forum.*" Steve Hemstrom requested that the

proposal be written so that it is clear what the RRFF is agreeing to. Bob Rose agreed. The Pacific Lamprey Working Group will meet on 30 January 2015 at Chelan PUD to flesh out Pacific Lamprey NNI and artificial propagation.

Steve Lewis asked if Chelan PUD has a short-term strategy in place to complete the objectives in the PLMP that are not done. Steve Hemstrom reiterated that 9 of the 11 objectives have been completed. He stated that waiting for acoustic tags to become available to do a project survival study is a possibility, but Chelan PUD would not be funding an NNI concept agreement at the same time. Steve Lewis expressed concern that specific direction on this issue continues to be delayed. Bob Rose stated that he would like to continue to discuss the details of this issue during the Small Group meeting on 30 January. Steve Hemstrom stated that Chelan PUD has money available now to work on artificial propagation and this would not be related to the NNI survival studies. Kirk Truscott stated that it was beneficial to hear Chelan PUD's position on funding NNI before the project effects are determined.

#### **Action Items:**

- **Bob Rose will work on finalizing the "Pacific Lamprey Culture Investigations: DRAFT Proposal to the Rocky Reach Fish Forum."**
- **The Pacific Lamprey Work Group will meet on Friday, 30 January 2015 at Chelan PUD to flesh out Pacific Lamprey NNI.**
- **Steve Hemstrom will provide comments on the revised Concept Paper to Bob Rose.**

#### **Lamprey Passage at Tumwater (Rapid Assessment)**

RD Nelle reported that he would like to have a group of people tour the fishway at Tumwater Dam while the fishway is dewatered. The group would inspect the physical ladder structures and see if there is any indication why adult lamprey may not be passing. RD Nelle created a Rapid Assessment plan that he will forward to Steve Hemstrom within the next few days. He stated that lamprey were historically found upstream at Tumwater Dam. He would like to view the engineering drawings before the tour, visit the fishway while it is dewatered, and then compile an expert panel's assessment of what is going on at Tumwater Dam for the RRFF in order for them to make decisions about providing passage for lamprey in the future. He suggested Ralph Lampman, Mary Moser, Patrick Verhey, and Tracy Hillman as possible members of the expert panel. Steve Rainey has been recruited to put together the document with the help of the expert panel.

Steve Hemstrom reported that bid specs are being written for projects that will be going on at Tumwater Dam while the fishway is dewatered. The bid specs will include information that the tour is scheduled for four hours the morning of 18 February 2015. Steve Hemstrom asked RD Nelle to provide him with the information on the activities that will occur during the tour in order to pass this information on to the contractors. RD Nelle stated that they will be primarily taking pictures and simple measurements. Steve Hemstrom commented that Tumwater Dam will be dewatered for a longer period, but the best time to schedule the tour is before the contract work begins, which is Wednesday, 18

February 2015. A tour of the dam for RRF members will be included as part of the Rapid Assessment. Chelan PUD will take care of all safety requirements to access the fishway.

Steve Hays informed RD Nelle that velocity information would be available on the design specs. Steve Hemstrom will get the Tumwater design report for RD Nelle. Steve Lewis wanted to clarify that it would be possible to get into the dewatered fishway. This was confirmed. Steve Lewis also asked Chelan PUD to help fund the Rapid Assessment. Steve Hemstrom noted that Chelan PUD would not fund the Rapid Assessment at this time and did not have any information about future funding at Tumwater. Steve Lewis requested that this discussion be an agenda item for the February meeting.

**Action Items:**

- **The Rapid Assessment tour at Tumwater Dam will be held on Wednesday, 18 February 2015. RD Nelle will provide Steve Hemstrom specific details on what equipment will be used during the tour and who will attend.**
- **Steve Hemstrom will provide Tumwater Dam information to RD Nelle.**
- **Steve Hemstrom will look into the possibility of Chelan PUD funding the Rapid Assessment.**

**Wanapum Response: Rock Island Lamprey Passage Structures**

Lance Keller reported that Wanapum reservoir is operating within a four-foot elevation between 558-562 feet. Conditions have improved at Rock Island Dam; both power houses are generating and the denil structures for the vast majority of the day are submerged. Chelan PUD has had to intermittently put the left-bank denil back into operation due to Wanapum operations and low flows around 2:00 am. For the majority of the day, all of the passage routes are open at Rock Island without denil operations. Chelan PUD still has the right ladder down for fishway maintenance. The center ladder is down as well, but that should be coming back into operation on 8 January 2015. RD Nelle and Patrick Verhey had expressed interest in touring the right and left ladders. Lance Keller does not think they will be down at the same time. He reported that the right ladder will be down the end of this week or the beginning of next week. The left ladder will be down on 12 January 2015. Lance indicated that it would be a high-level view of the dewatered ladders. Lance will attempt to schedule a tour on 12 January 2015. Lance instructed tour participants to meet in the parking lot near the Rock Island Dam office.

Steve Lewis asked if there was a struggle with balancing criteria based upon middle, right, or left bank ladders due to the intermediate pool level at Wanapum. Lance Keller reported that with entrance criteria, there is a struggle with the low flows around 2:00 am and depending on the elevation of Wanapum Reservoir. There is no structure on the center ladder, but there is still passage. The right ladder is still out of service. Lance Keller reported that things are more uniform at Rock Island now that they have power production.

As a final note, Lance Keller reported that Chelan PUD is proposing to FERC to have the January Interim Fish Passage Plan (IFPP) report be the final monthly report. Lance will let the RRF know what FERC

decides.

**Action Item:**

- **A tour of the dewatered Rock Island fish ladders is scheduled for Monday, 12 January 2015.**

**2014 Rocky Reach HDX PIT-Tagged Lamprey Detections from All Sources**

Steve Hemstrom reported that he has completed a final passage analysis on 344 adult lamprey that were detected at any point in the fishway. There were five sources of tagged fish at Rocky Reach; Bonneville Dam, John Day Dam, Ice Harbor Dam, Wanapum Dam, and Rocky Reach Dam. The total number that passed successfully, which means they were detected at the top and then not again, was 241 out of 344, or 70.1%. That is the draft number that Steve Hemstrom noted, with a few downloads remaining to include for the final number. Steve Hemstrom has not calculated total travel times yet. He would like to be able to provide the total time from release to the first detection at Rocky Reach. It looks like that number is 1-2 days for most fish. Total time at Rocky Reach, from first detection to the exit, ranges from 1 day to 3 weeks. He would like to provide days, hours, and minutes for each fish. He would also like to provide the success of fish relative to their release location. The goal is to see if the modifications made to the fishway in 2010-2011 helped to increase passage efficiency.

The goal of the PLMP states that once the adult passage has been measured, it needs to be similar to the best passage rates found at other mainstem Columbia River hydro projects. Steve Hemstrom will contact Blue Leaf Environmental for help in analyzing the data. Chelan PUD's GIS department will not be able to provide assistance because of the temporal component of the data. Patrick Verhey commented that in addition to seeing the total time at Rocky Reach, it would be valuable to know the time between each detection point in order to evaluate each section of the fishway and determine if changes could be made to improve passage times in certain areas. Tracy Hillman commented that in an earlier study, the trifurcation pool was an area of concern. Steve Hemstrom stated that the grating in that area has since been covered to improve passage there. Steve Hemstrom noted that he has seen more fallback once the fish reach antenna 07, which is right before the counting window. He is considering whether the counting window may present some type of problem for the fish. Tracy Hillman pointed out that having lights on at night in that area may be a potential problem for adult lamprey.

Steve Hemstrom noted that Rocky Reach has 3,799 total lamprey counted at the Rocky Reach window and Wells has seven. He noted that there are three antennas at detection location 07 at the ladder exit, and two of them were not started for one week. As a result, they may have missed some fish passing during that week. He has seen some fish that passed 06 and then were not detected again in the fishway.

**Action Item:**

- **Steve Hemstrom will contact Blue Leaf Environmental for assistance in analyzing adult**

## **lamprey travel time data at Rocky Reach Dam.**

### **2014 Adult Run-at-Large: Run Timing at Rocky Reach**

Steve Hemstrom reported that the adult lamprey run-timing graph is done, but he did not bring it to the meeting. The graph depicts the run at large and the 5%, 90%, and 95% durations. For example, the time it takes for 90% of the run to pass and what date that occurs. When looking at ten years of run timing data, it does not appear that river flow affects the distribution of the complete passage timing dates. Steve Hemstrom asked if the RRF would like to see these data used for any other purpose. The RRF identified no other purposes for the data.

#### **Action Item:**

- **Steve Hemstrom will provide the 2014 Adult Run-at-Large Report to the RRF.**

## **VII. Bull Trout**

### **Bull Trout and Tumwater Dam**

Steve Lewis reported that he had no new updates on bull trout at Tumwater Dam, but would like support for funding the upcoming assessment for bull trout at Rocky Reach in the upcoming years. This refers to the ten-year check in for bull trout passage using radio telemetry in 2018.

## **VIII. Water Quality**

### **Total Dissolved Gas Year Five Compliance Report**

Marcie Steinmetz distributed the “2014 Aquatic Invasive Species Monitoring and Control Report” to the RRF. Comments are due on Monday, 2 February 2015. Marcie noted that there were no zebra or quagga mussels, or New Zealand mud snails observed. Marcie stated that boater evaluation participation is generally poor. There were no water quality updates at this time.

#### **Action Item:**

- **Comments on the “2014 Aquatic Invasive Species Monitoring and Control Report” are due to Marcie Steinmetz on Monday, 2 February 2015.**

## **IX. Next Steps**

The next regular meeting of the RRF will be Wednesday, 4 February 2015 from 1:00 to 4:00 p.m. in the Chelan PUD Parks Conference Room.