

# Final Conference Call Minutes

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## *Aquatic Settlement Work Group*

**To:** Aquatic SWG Parties **Date:** May 14, 2014  
**From:** Michael Schiewe, Chair (Anchor QEA, LLC)  
**Re:** Final Minutes of the April 9, 2014 Aquatic SWG Conference Call

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The Aquatic Settlement Work Group (SWG) met by conference call on Wednesday, April 9, 2014, from 10:00 a.m. to 11:30 a.m. Attendees are listed in Attachment A of these meeting minutes.

## **I. Summary of Action Items**

1. Douglas PUD will develop a list of considerations for the future of sturgeon stocking activities, including future sources, prioritization, and genetics (Item VI-1).
2. Aquatic SWG members will submit comments on the draft Douglas PUD 2014 White Sturgeon Outreach Plan to Douglas PUD no later than Monday, May 12, 2014 (Item VI-1).
3. Aquatic SWG members will submit comments on Washington Department of Fish and Wildlife's (WDFW's) draft standardized White Sturgeon Fish Health Protocol, to WDFW (with a copy to Kristi Geris) by May 7, 2014 (Item VI-1).
4. The 2013 White Sturgeon Statement of Agreement (SOA) will be discussed during the Aquatic SWG meeting on May 14, 2014 (Item VI-4).
5. Aquatic SWG members will submit comments on the draft 2013 Aquatic Resource Management Plan Annual Reports (5 total) to Douglas PUD no later than Wednesday, May 7, 2014 (Item VI-6).
6. The Yakama Nation (YN) and Douglas PUD will coordinate to continue regional lamprey discussions (Item VI-8).
7. The YN will provide regional lamprey materials to Kristi Geris for distribution to the Aquatic SWG (Item VI-8).

## **II. Summary of Decisions**

1. The Aquatic SWG members present approved the Wells 2013 Water Temperature Report, contingent on incorporating comments discussed (Item VI-2).

2. The Aquatic SWG members present approved the Methow Basin Bull Trout Passive Integrated Transponder (PIT) Tag Behavioral Analysis (Steve Lewis provided USFWS' approval of the document via email on April 10, 2014, as distributed to the Aquatic SWG by Geris that same day; Item VI-3).

### III. Agreements

1. No agreements were discussed during today's conference call.

### IV. Review Items

1. Kristi Geris sent an email to the Aquatic SWG on March 11, 2014, notifying them that WDFW's draft standardized White Sturgeon Fish Health Protocol is available for review. Comments on the draft protocol are due to WDFW (with a copy to Geris) no later than May 7, 2014 (Item VI-1).
2. Kristi Geris sent an email to the Aquatic SWG on April 7, 2014, notifying them that the draft 2013 Aquatic Resource Management Plan Annual Reports (5 total) are available for review, with comments due to Douglas PUD no later than Wednesday, May 7, 2014 (Item VI-6).
3. Kristi Geris sent an email to the Aquatic SWG on April 10, 2014, notifying them that the draft Aquatic SWG 2013 Annual Report is out for a 30-day review period, with comments due to her by no later than Thursday, May 8, 2014 (Item VI-7).
4. Kristi Geris sent an email to the Aquatic SWG on April 11, 2014, notifying them that the draft Douglas PUD 2014 White Sturgeon Outreach Plan is out for a 30-day review period, with comments due to Douglas PUD no later than Monday, May 12, 2014 (Item VI-1).

### V. Documents Finalized

1. The final Wells 2013 Water Temperature Report was distributed to the Aquatic SWG by Kristi Geris on April 28, 2014 (Item VI-2).
2. The final 2013 Methow Basin Bull Trout PIT Tag Behavioral Analysis was distributed to the Aquatic SWG by Kristi Geris on April 29, 2014 (Item VI-3).

### VI. Summary of Discussions

1. **Welcome, Agenda Review, and Meeting Minutes Review** (Mike Schiewe): Mike Schiewe welcomed the Aquatic SWG members (attendees are listed in Attachment A) and opened the meeting. Schiewe reviewed the agenda and asked for additions or other changes to the agenda. Bob Rose requested a brief update on Pacific lamprey, and Pat Irlle requested that Rose briefly introduce a White Sturgeon Technical Workgroup.

The revised draft March 12, 2014 meeting minutes were reviewed. Kristi Geris said that there were comments remaining regarding the discussion of WDFW's draft Standardized White Sturgeon Fish Health Protocol, as follows:

- John Kerwin (WDFW) indicated that authority to euthanize fish rests with the "director." Patrick Verhey clarified that Kerwin was referring to WDFW Director, Phil Anderson.
- Kerwin explained that a key step in taking action on fish health issues is to obtain concurrence from the "Co-Managers (federally recognized treaty tribes)." Verhey clarified that, in this context, WDFW would coordinate with the YN and the Colville Confederated Tribes (CCT), and recommended revising the parenthetical statement to indicate "pertinent tribes."

Geris said that she will incorporate these revisions, and that all other comments and revisions received from members of the Aquatic SWG were incorporated into the revised minutes.

Action items from the last Aquatic SWG meeting on March 12, 2014, and follow-up discussions were as follows: *(Note: italicized item numbers below correspond to agenda items from the March 12, 2014 meeting.)*

- *Douglas PUD will coordinate with U.S. Fish and Wildlife Service (USFWS) to finalize the draft 2013 Methow Basin Bull Trout PIT Tag Summary (Item VI-1).*  
Andrew Gingerich said that he contacted Steve Lewis, and Lewis had no additional comments on the draft bull trout summary. Gingerich indicated that Douglas PUD will be seeking approval of the draft summary during today's conference call.
- *Douglas PUD will discuss with USFWS the Wells White Sturgeon Stocking Plan for implementation in 2014 that was approved by Aquatic SWG members present (Item VI-3).*  
Steve Lewis provided USFWS's approval of the Wells White Sturgeon Stocking Plan for implementation in 2014 via email on March 19, 2014.
- *Douglas PUD will develop a list of considerations for the future of sturgeon stocking activities, including future sources, prioritization, and genetics (Item VI-3).*  
Andrew Gingerich indicated that this list is still under development. This action item will be carried forward.
- *Douglas PUD will develop a summary outlining the objectives of their white sturgeon public outreach efforts (Item VI-4).*  
Andrew Gingerich said that Douglas PUD will distribute this summary to the Aquatic SWG for review by the end of the day today. *(Note: Douglas PUD provided the draft Douglas PUD 2014 White Sturgeon Outreach Plan to Kristi*

*Geris on April 11, 2014, which she distributed to the Aquatic SWG that same day.)*

- *Aquatic SWG members will submit comments to Douglas PUD regarding ideas for Douglas PUD's white sturgeon public outreach efforts (Item VI-4).*

This action item will be carried forward.

- *Aquatic SWG members will submit comments on WDFW's draft standardized White Sturgeon Fish Health Protocol, to WDFW (with a copy to Kristi Geris) prior to the next Aquatic SWG meeting on April 9, 2014 (Item VI-7).*

Chad Jackson said that WDFW has not yet received comments on the draft protocol. He added, however, that Douglas PUD has indicated that they plan to provide comments soon. Jackson said that the draft protocol was also presented to the Priest Rapids Fish Forum (PRFF) and Rocky Reach Fish Forum (RRFF). He requested that comments be submitted to WDFW by Wednesday, May 7, 2014, which also aligns with the PRFF and RRFF comment periods. He said the draft protocol will then be discussed at the Aquatic SWG meeting on May 14, 2014.

Aquatic SWG members present approved the March 12, 2014 meeting minutes, as revised.

2. **DECISION: Wells 2013 Water Temperature Report** (Andrew Gingerich): Andrew Gingerich said that Kristi Geris sent an email to the Aquatic SWG on March 18, 2014, notifying them that the draft Wells 2013 Water Temperature Report was out for review. He said that the report, which is due to the Federal Energy Regulatory Commission (FERC) by April 30, 2014, is a new requirement under the Wells Hydroelectric Project Clean Water Act Section 401 Certification and FERC relicensing.

Gingerich said that comments on the draft report were received from the Washington State Department of Ecology (Ecology; Attachment B), which were distributed to the Aquatic SWG by Geris on April 9, 2014, prior to the conference call. Gingerich said that he hoped to review Ecology's comments during the call and then obtain Aquatic SWG approval of the report contingent on incorporating revisions per the comments discussed, as described below.

#### Comment 1

This comment is a request to show the difference (delta) in temperature between the Chief Joe tailrace and the Wells forebay. Gingerich explained that the request is intended to show if the Wells Project adds thermal loading during the monitoring period. He said that Ecology proposed adding a figure that shows the delta between the Chief Joe tailrace and the Wells forebay, and Douglas PUD proposed text explaining that water temperature is a function of all inputs including tributary inflows and the Chief Joe tailrace. He further explained that during high tributary events in the spring and

summer, warmer Okanogan River flows originating from outside of the Wells Project have a measureable effect on water temperatures in the Wells Project.

Comment 2

This comment is a request to examine stratification of water temperature at three depths in the Wells forebay. Gingerich explained that limited data are available to address this request with statistical confidence since tidbits have error of 0.2 C each for a combined precision of 0.4 C. Pat Irlle suggested including text explaining these limitations, which she said was adequate to address this request.

Comment 3

This comment is a request to add the temperature threshold of 17.5 degrees Celsius, and also the temperature threshold of 13.0 degrees Celsius for the Methow, to water temperature figures. Gingerich said that Douglas PUD will include these thresholds in the final version.

The Aquatic SWG members present approved the Wells 2013 Water Temperature Report, contingent on incorporating revisions per the comments, as discussed. Douglas PUD incorporated the comments discussed, and the final Wells 2013 Water Temperature Report (Attachment C) was distributed to the Aquatic SWG by Geris on April 28, 2014.

3. **DECISION: Methow Basin Bull Trout PIT Tag Behavioral Analysis** (Andrew Gingerich):

Andrew Gingerich said that the 60-day review period has ended for the draft 2013 Methow Basin Bull Trout PIT Tag Behavioral Analysis, which was distributed to the Aquatic SWG for review by Kristi Geris on January 23, 2014. Gingerich reminded the Aquatic SWG that this document is not required by FERC; rather, it is an analysis that Douglas PUD agreed to complete with USFWS. He said that USFWS has not provided any additional comments after an earlier review of the document.

The Aquatic SWG members present approved the Methow Basin Bull Trout PIT Tag Behavioral Analysis. Steve Lewis provided USFWS' approval of the document via email on April 10, 2014, as distributed to the Aquatic SWG by Geris that same day. Douglas PUD finalized the document and the final 2013 Methow Basin Bull Trout PIT Tag Behavioral Analysis (Attachment D) was distributed to the Aquatic SWG by Kristi Geris on April 29, 2014.

4. **White Sturgeon:**

White Sturgeon Tagging/Stocking Recap (Andrew Gingerich)

Andrew Gingerich said that last week at the Wells Sturgeon facility, tagging of Marion Drain direct gamete-source fish went well. He said the average fish length was approximately 265 millimeters (mm), or 10.5 inches (in), which he noted was good

considering that the target fish length was 256 to 280 mm (fork length). He said that the range of fish lengths was greater than he hoped for; the 10th to 90th percentiles were 235 and 295 mm, respectively. He said that in terms of weight, the average size was 143 grams (g), which was towards the high end of the target weight, but still within the target range of 111 to 146 g. He noted that the condition factors of the fish were quite high and will be among the highest of fish released in the Mid-Columbia to date. He also noted that there was a single post-tagging death. He said that yesterday, April 8, 2014, the Marion Drain fish were released at Washburn Island, which is the same location where the larval-source fish captured below Rock Island Dam were released a few weeks ago.

Gingerich said that next Monday, April 14, 2014, the larval-source fish on station at Wells will be tagged and then held an additional 1 to 1.5 months for additional growth. He said that currently, the range of larval-source fish sizes is also quite wide, and that hatchery staff will adjust water temperatures to increase growth rate and bring the smaller fish up to size. He said that, overall, the fish are doing well, and he added that releasing the Marion Drain fish opened up additional tank space, which will help with growing the larval-source fish to the target release sizes.

#### White Sturgeon Public Outreach (Andrew Gingerich)

Andrew Gingerich said that tomorrow, April 12, 2014, advanced biology students from Bridgeport High School will participate in releasing 30 Marion Drain direct gamete-source fish as part of Douglas PUD's White Sturgeon Outreach Program. Gingerich said that these are the same students that toured the Wells Hatchery Sturgeon Facility in early March 2014. He said that Douglas PUD is coordinating with WDFW to obtain necessary permitting for the planned activities. Chad Jackson indicated that considering the limited amount of time before the planned activities, Douglas PUD can move forward as planned and that WDFW will coordinate internally, as necessary.

#### White Sturgeon Technical Workgroup (Pat Irle and Bob Rose)

Bob Rose said that the purpose of this workgroup is to convene a small group with the expertise to coordinate white sturgeon stocking activities, instead of moving forward in three different groups (i.e., Aquatic SWG, RRF, and PRFF). He said that Jason McLellan, Chad Jackson, and Donella Miller will be key participants in this group; however, he also encouraged participation by the PUDs and other regional entities. Pat Irle added that the workgroup, which may also include outside experts and consultants, will focus solely on science and technology, and will develop a decision pathway that may be used by each workgroup or forum. Jackson also added that the workgroup may focus on developing a plan for sturgeon stocking in future years. Andrew Gingerich said that Douglas PUD plans to participate in the technical workgroup, unless it conflicts with other higher priority activities (*this group met Monday April 28th 2014 at Chelan County PUD in Wenatchee WA, and Douglas PUD did attend*).

White Sturgeon 2014 Collection Efforts (All)

Andrew Gingerich noted that Douglas PUD is still in early implementation of their supplementation program for white sturgeon. He recalled that last year, a lot of time was spent discussing where to obtain fish, and noted that the collective effort was extremely successful. He said that Douglas PUD would like to build on the success of last year, and would also like to make sure that the Aquatic SWG is comfortable with moving forward with collecting fish in 2014.

Jason McLellan said that this year, the CCT plan to collect larvae in Lake Roosevelt. He said they do not intend to collect below Rock Island Dam again because the area is not productive, and also there is not enough funding available to collect in two locations. He said that with two entities collecting for the program, the decision-making will come after collection is complete when it is known what is on hand, and how to prioritize the releases.

Donella Miller said that the YN plans to continue the program in the same manner as last year, including brood collection in the Dalles and Bonneville pools, and coordinating with Grant PUD and Chelan PUD for brood collection at their respective facilities. She added that there will be two spawning events to accomplish two three-by-three crosses. Pat Irle asked if the YN plans to consider other options besides broodstock collection. Bob Rose said that the YN is also starting larval collection efforts, but noted that there are safety concerns that they will need to address first.

Rose said that he thought the Aquatic SWG had come to agreement to continue to fish within the Mid-Columbia, and not just focus in Lake Roosevelt. McLellan said that he did not believe that was the case. He said the original proposal was to attempt to collect in three locations: 1) Hanford Reach; 2) below Rock Island Dam; and 3) Lake Roosevelt. He said that the CCT have not been able to obtain agreement to fish in the upper end of the McNary Pool, and they cannot safely fish above Vernita Bridge, so the Hanford Reach is not an option. He said that Rock Island may be the most productive location in the Mid-Columbia; however, it is not productive enough. This leaves Lake Roosevelt. He reiterated that the CCT's budget is insufficient to sample for larval fish in two locations.

Irle asked if this will be further discussed by the Mid-Columbia White Sturgeon Technical Workgroup, and added that she would like to know when these discussions will take place. Gingerich said that he recalls that the 2013 White Sturgeon SOA addressed only the first year. He acknowledged the recent technical research such as Andrea Drauch-Schreier's work that supports the use of Lake Roosevelt in the Wells Program, and said that he understands the interest in moving genes upstream in the project, which Gingerich said he believes has been accomplished, through the direct gamete program.

He said that from Douglas PUD's perspective, there is no technical reason to exclude Lake Roosevelt, and that the CCT need to sample in more productive areas to be successful; hence, Douglas PUD supports larval collection in Lake Roosevelt. He added that, contractually, there are no limitations on where fishing occurs, so it is only contingent on Aquatic SWG agreement.

Mike Schiewe asked if an additional meeting is needed to discuss plans for 2014. Rose said that he believes there is still value in continuing to fish in the lower areas, and that the YN and the CCT can discuss, as needed. He added that he does not view this as being a significant problem. Schiewe asked when the CCT need to begin larval collection, and McLellan said it should begin in late June to early July. Gingerich noted that if the CCT plan to fish in the lower river, then collection may have to start sooner since the Snake River influence warms that water earlier in the year than Lake Roosevelt. McLellan agreed that if the Aquatic SWG reaches agreement for the CCT to fish in other places, then collection efforts could start one month earlier. He said that the CCT are willing to sample as requested and noted that it would need to be a pilot program because of the way contracts and funding are set up. He also added that fishing in other places will limit their ability to collect as many larvae in Lake Roosevelt.

Gingerich asked the Aquatic SWG if there are issues with the CCT focusing their collection effort in Lake Roosevelt. He also asked what the interest is in the lower Mid-Columbia, and he added that he wants to confirm the interest is for the stocking program, and not something else (e.g., investigating spawning behavior in the Mid-Columbia). Rose said that the YN is interested in obtaining a mix of fish in the reservoirs. He said that success is measured in both the short and long term. He said that he does not think it is a good approach to disregard a section of the Mid-Columbia based on one year of poor collection. In addition, he stated that he believes the CCT will gain a greater efficiency over the course of a few years; and he added that it may take that long to figure out patterns of movement and where to find fish. He summarized that the YN's interest is in determining whether fish can be collected in the Mid-Columbia, and with what efficiency. He added that if collection efforts do not take place, this information will remain unknown.

McLellan expressed confidence in the thoroughness of the CCT's collection efforts in the lower Mid-Columbia. He said that they collected in the correct places and everything went as planned—the numbers of larvae were just low. He agreed with Rose that obtaining long-term data is valuable, but in the interest of collecting for the program, it is not feasible under the current contract. Irle asked McLellan if he was indicating that it would be inefficient for the YN to collect below Rock Island, as well, and McLellan confirmed that he thought so. He added that the production levels in The Dalles and Bonneville pools are high. He also added that there are existing data from Bonneville Power Administration (BPA) work that provides them with a good starting point.

Irlle recommended that the YN and the CCT discuss this matter further, and then bring that discussion to the White Sturgeon Technical Workgroup, which she noted Ecology would like to participate in. She said those discussions should then be raised at the next Aquatic SWG meeting on May 14, 2104. McLellan said that the CCT plan to participate in the technical group; however, he said he is unclear on what the CCT and the YN need to further discuss. He said it seems that everyone is in agreement that some collection will come from Lake Roosevelt. He said the pending discussion seems to be whether the CCT should collect in another location. He said that the CCT just need to know where that is, and then they can provide feedback on feasibility.

Schiewe encouraged the Aquatic SWG to participate in the White Sturgeon Technical Forum, but reminded the Aquatic SWG that the focus of this discussion is on the Wells Project White Sturgeon Management Plan and CCT and YN collection efforts this year. He said if those efforts are different from last year, any proposed changes need to be discussed and an agreement needs to be reached in May 2014. Gingerich noted that Douglas PUD is in an earlier stage of implementation than Grant PUD or Chelan PUD. Irlle requested that Kristi Geris redistribute the 2013 White Sturgeon SOA, which Geris did on April 9, 2014. The Aquatic SWG agreed to further discuss the 2013 SOA during the Aquatic SWG meeting on May 14, 2014.

5. **REMINDER: 2014 Spill/Bypass Season** (Andrew Gingerich): Andrew Gingerich said that spring spill at Wells Dam started today at 12:01 a.m. He said that 10,000 cubic feet per second is spilling through the spill bypass bays. He said with regards to Wanapum Dam spillway repair, Wells Dam staff are switching load and spill as requested; however, these changes should not affect bypass operations at Wells Dam.
  
6. **REVIEW ITEM: 2013 Aquatic Resource Management Plan Reports** (Chas Kyger): Chas Kyger said that Kristi Geris sent an email to the Aquatic SWG on April 7, 2014, notifying them that the draft 2013 Aquatic Resource Management Plan Annual Reports (5 total) are available for review, with comments due to Douglas PUD no later than Wednesday, May 7, 2014. Kyger reminded the Aquatic SWG that the Aquatic Nuisance Species (ANS) Aquatic Resource Management Plan Annual Report was already approved by the Aquatic SWG and submitted to FERC. He said that Douglas PUD would like to obtain approval of the remaining Aquatic Resource Management Plan Annual Reports at the Aquatic SWG meeting on May 5, 2014, in order to submit the approved reports to FERC by the May 31, 2014 deadline. Andrew Gingerich added that consistent with the ANS Aquatic Resource Management Plan Annual Report, the remaining five reports use the same template from last year where each objective is listed and actions completed throughout the year to fulfill those objectives follow in italicized font. Gingerich said that although the template text can be revised, the intent of this review is to focus on the actions completed to achieve the objectives (italicized font).

Aquatic SWG members will submit comments on the draft 2013 Aquatic Resource Management Plan Annual Reports to Douglas PUD by the May 7, 2014 deadline.

7. **REVIEW ITEM: Aquatic SWG 2013 Annual Report** (Chas Kyger): Chas Kyger said that the Aquatic SWG 2013 Annual Report compiles the separate Aquatic Resource Management Plan Annual Reports, as well as agreements, plans, and other documentation completed throughout the year. Mike Schiewe added that the Aquatic SWG 2013 Annual Report also compiles all of the meeting minutes and associated attachments from the previous year.

Kristi Geris sent an email to the Aquatic SWG on April 10, 2014, notifying them that the draft Aquatic SWG 2013 Annual Report is out for a 30-day review period, with comments due to her by no later than Thursday, May 8, 2014.

8. **Pacific Lamprey Update:**

2013 Adult Lamprey Passage and Enumeration Study Report (Bob Rose and Chas Kyger)

Bob Rose requested an update from Douglas PUD about Pacific lamprey. Chas Kyger said that the 2013 Adult Lamprey Passage and Enumeration Study Report has undergone several stages of review both internally and with LGL Unlimited, LLC (LGL). He noted that the report is a very data-rich document and with each review, more revisions have been made. He said he hopes to have the report ready for review prior to the next Aquatic SWG meeting. He said that, overall, conclusions were limited because of small sample sizes. Andrew Gingerich added that data were still being collected in November 2013 since tags were active until then and therefore analysis only began in December of 2013. Further, Gingerich noted that LGL's initial analyses did not include the PIT-tag data, which Douglas PUD suggested adding to supplement the radio-tag data—this change involved a lot reanalysis by LGL and delayed the draft further.

Rose requested that the results be presented soon so that 2014 planning for lamprey can move forward. He asked if Douglas PUD knows what is planned for lamprey in 2014, and Kyger said that those decisions will be based on the Aquatic SWG's review of the 2013 study. Kyger added that if Douglas PUD expects the report to be further delayed, they will present these data regardless, in order to get discussions started. Rose said that he expects that a similar lamprey study will be conducted in 2014 to add to sample size or validation. He said that the YN needs to submit a lamprey collection schedule to the Columbia River Inter-Tribal Fish Commission (CRITFC), as they typically do in March or April, and ideally they would like to know how many fish to request for Douglas PUD.

Regional Coordination (Bob Rose)

Bob Rose said that coordination with the other PUDs of a regional Lamprey No-Net-Impact (NNI) Strategy is moving along well, and that he would like to get this process

back on track with Douglas PUD. He said that the other PUDs are on a timeline for developing a draft framework from March through May 2014, and having a final draft complete by July 2014. He said by August or September 2014, a Statement of Agreement or other appropriate vehicle will be developed to wrap up these efforts and adopt a regional strategy. Rose asked that Douglas PUD convey this timeline to the appropriate managers in order to move this forward in the near future. Andrew Gingerich said that he would convey this message, and asked for Rose to provide some dates for possible meetings with Douglas PUD managers. Rose said that he will coordinate with Douglas PUD to continue regional lamprey discussions, and that he will provide regional lamprey materials to Kristi Geris for distribution to the Aquatic SWG.

## **VII. Next Meetings**

1. **Upcoming meetings** (Mike Schiewe): Upcoming meetings are as follows: *May 14, 2014 (conference call); June 11, 2014 (conference call); July 9, 2014 (conference call).*

## **List of Attachments**

Attachment A – List of Attendees

Attachment B – Ecology’s comments on the draft Wells 2013 Water Temperature Report

Attachment C – Final Wells 2013 Water Temperature Report

Attachment D – Final 2013 Methow Basin Bull Trout PIT Tag Behavioral Analysis

## Attachment A List of Attendees

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<b>Name</b>	<b>Role</b>	<b>Organization</b>
Mike Schiewe	SWG Chair	Anchor QEA, LLC
Kristi Geris	Administration/Technical Support	Anchor QEA, LLC
Andrew Gingerich	SWG Technical Representative	Douglas PUD
Chas Kyger	Technical Support	Douglas PUD
Patrick Verhey	SWG Technical Representative	Washington Department of Fish and Wildlife
Chad Jackson	Technical Support	Washington Department of Fish and Wildlife
Pat Irle	SWG Technical Representative	Washington State Department of Ecology
Jason McLellan	SWG Technical Representative	Colville Confederated Tribes
Bob Rose	SWG Technical Representative	Yakama Nation
Donella Miller	Technical Support	Yakama Nation