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Meeting Notes

October 22, 2014

Yakima Arboretum, Yakima WA

Yakima River Basin Water Enhancement Project (YRBWEP) Workgroup

Welcome/Introductions and Agenda Overview

Ben Floyd, Anchor QEA meeting facilitator, welcomed the Yakima River Basin Water Enhancement Project (YRBWEP) Workgroup members and other attendees, led introductions, and provided an overview of the agenda. Highlights from the presentations and Workgroup comments are summarized below. For more detail, please see the full presentations which are available on the project website <http://www.usbr.gov/pn/programs/yrbwep/2011integratedplan/index.html>

Implementation Committee Update

Derek Sandison, Washington State Department of Ecology, introduced the Implementation Committee. The Implementation Committee is currently preparing Federal legislation for YRBWEP Phase III. The goal is to receive authorization for the initial development phase of the Integrated Plan, including the Keechelus-to-Kachess Conveyance (KKC) and the Kachess Drought Relief Pumping Plant (KDRPP). The two Cle Elum Reservoir projects in the initial development phase of the Integrated Plan have been authorized previously but may need clarification. The Implementation Committee is also pursuing Water Infrastructure Finance Authority (WIFA) funding. House bill 5412, submitted by Congressman Hastings, relates to WIFA procedural standards for U.S. Department of Interior Bureau of Reclamation projects and would allow projects that complete the feasibility study phase to be eligible for WIFA funds appropriated to Reclamation. The Implementation Committee has also been working with Reclamation to request adequate support for the Integrated Plan projects in the Federal water resource account budget proposals for fiscal years 2015 and 2016. The Federal Land and Water Conservation Fund is also of interest, as is the Natural Resources Conservation Service (NRCS) Regional Conservation Partnership Program (RCPP) that will be discussed later this morning.

The Implementation Committee went to Washington, DC, in September 2014, to discuss legislation needs for the Integrated Plan projects. Derek noted that he observes increased recognition of the Integrated Plan each time the Implementation Committee makes a trip to Washington, DC. The committee is also reaching out to other western states that experience drought, including Oregon and California, to explore cooperative funding opportunities. Urban Eberhart, Kittitas Reclamation District, introduced several Implementation Committee members who participated in the trip to Washington, DC. Several members provided feedback on the trip. Mike Leita, Yakima County, noted that the committee



has continued to expand their Federal connections and seen greater support for the Integrated Plan as a result. Phil Rigdon, Yakama Nation, stated that the committee has made great progress in their ongoing dialogue with Congress. Peter Dykstra, Plauché & Carr, LLP, added that the committee has had positive conversations with the executive branch; the Integrated Plan fits many of the administration's goals and has the potential to serve as a model for other water resource projects across the United States. Mike Livingston, WDFW, stated that Congress is becoming comfortable with the Implementation Committee and making efforts to support the Integrated Plan. The diverse representation on the Implementation Committee carries a lot of weight. Scott Revell, Roza Irrigation District, noted that the Implementation Committee met with staff from the U.S. House of Representatives Natural Resource Committee and Reclamation's acting Commissioner, who were clearly familiar with the Integrated Plan. However, while there has been great progress, it is important to remember that there is still a lot of work needed before the Integrated Plan goals will be realized.

Yakima Basin Storage Alliance Water Needs Report

Sid Morrison, Yakima Basin Storage Alliance (YBSA), announced that the *YBSA Water Needs Report* was complete. Sid introduced Curt Thalken from Normandeau Associates, which conducted an independent review of the Integrated Plan. Normandeau was assisted by Thomas Payne & Associates for hydrology and by WestWater Research for economics. Mr. Thalken presented the review findings, including the following points (for the full presentation, see the YRBWEP website):

- Under moderate or adverse climate change conditions, the Integrated Plan shows that the 70 percent water supply goal would not be achieved for a variety of reasons, including modeling and technical inputs, and changes in crops and weather.
- They did not find reason to challenge the valuation of fisheries benefits from the Integrated Plan.

Sid indicated the full report is available on the YBSA website.

Workgroup Discussion:

- Dale Bambrick, NMFS: It is important that the Integrated Plan be transparent.
- Derek Sandison said the State is on a periodic cycle of updating information on water supplies and demands in the Columbia Basin, including consideration of climate change. The next cycle will be complete two years from now.

National Fish, Wildlife and Plants Climate Change Adaptation Strategy Progress Report

Mike Livingston, discussed the *National Fish, Wildlife and Plants Climate Change Adaptation Strategy (Strategy) Progress Report*. In 2013, a joint implementation workgroup was established to carry out the Strategy goals through outreach activities, policy coordination, and progress tracking. This is the first strategy progress report developed. The progress report lists the Yakima River basin project as the first key example. Mike emphasized that this demonstrates the collaborative nature and far-reaching influence of the Integrated Plan.

Derek Sandison discussed the State legislative directive to the Office of Columbia River for an updated water needs and demand forecast in the Columbia River Basin every 5 years. Ecology will submit the next study to the legislature in 2016. To this end, Ecology has recently contracted with Washington State University (WSU) to perform the next update. WSU also assisted with the last update. Jonathan Yoder, WSU, will lead the next update. As part of the update, WSU plans to refine the economic model for water supply in the Columbia River Basin that accounts for crop demand, climate change impacts, and other economic factors. Derek noted that the model becomes more robust every time it is updated.

Workgroup Discussion

- Dave Brown, City of Yakima: The City of Yakima should be included in the Climate Change Adaptation Strategy progress report along with the other organizations already listed as participating in the plan.

Technical Work Update

Andrew Graham, HDR; Wendy Christensen and Walt Larrick, Reclamation; Chris Pitre, Golder Associates; Ben Floyd, and Rick Roeder, Department of Natural Resources (DNR), presented updates on technical work in progress. The technical work update presentation will be posted on the YRBWEP website.

Wendy began by providing a brief summary of several ongoing projects:

- Wymer Dam and Reservoir: Drilling is complete and the environmental surveys are ongoing.
- Bumping Dam and Reservoir Enlargement: Drilling and environmental surveys are ongoing. Reclamation's Technical Service Center is developing a report to summarize findings from field investigations.
- Cle Elum Pool Raise (CEPR): The Draft Environmental Impact Statement (DEIS) has been released and the public comment period closes November 25. A public meeting was held last night in Ellensburg and there will be one tonight in Cle Elum.
- Tieton Dam Fish Passage Facilities Study: The appraisal study has been initiated.
- Manastash Creek: Construction is complete and water flowed this summer in reaches that had been dry for years.

Kachess Drought Relief Pumping Plant

Andrew discussed the status of the feasibility study for the KDRPP, which would be located at the south end of Kachess Reservoir. The feasibility study of the KDRPP is nearing completion. Two alternatives remain under investigation: Alternative 1, the East Shore Pumping Plant, and Alternative 2, the South Pumping Plant. Alternative 1 would convey water from an intake in the reservoir along an intake tunnel to the pumping plant on the east shore of the reservoir. The water would be lifted and conveyed to the Kachess River via a pipeline along the reservoir bed to an outlet structure below the Kachess Dam. Alternative 2 would convey water from an intake in the reservoir along a tunnel directly to the pumping plant below the Kachess Dam. Water would then be lifted and released to an outlet structure to the

Kachess River. Neither alternative would alter the dam or existing structures. Andrew presented illustrations of these alternatives, and noted the variation in the pump configuration for the two alternatives. Both alternatives include a 110-foot-diameter deep shaft to house the pumping plant, four drought relief pumps, and three fish flow pumps (to maintain minimum instream fish flows in the Kachess River). Because of its location, the Alternative 2 shaft would be shallower, requiring less hydraulic lift. As such, Alternative 2 has smaller pumps and less power demands than Alternative 1. HDR developed draft cost estimates for both alternatives. Reclamation's Technical Service Center staff recently peer-reviewed the alternative designs and concluded that both alternatives are feasible.

Keechelus-to-Kachess Conveyance

Andrew also discussed progress of the KKC feasibility study. Two alternatives remain under consideration: Alternative 1, the North Tunnel Alignment, and Alternative 2, the South Tunnel Alignment. Both alternatives would transfer water via a deep tunnel from a screened intake and diversion structure on the Yakima River to a discharge structure on the Kachess Reservoir. The design would locate the intake and diversion structure near the Keechelus Dam to maximize the length of the Yakima River that would experience reduced summer flows to improve habitat for spring Chinook and steelhead. The north tunnel is continuous from the Keechelus portal near the diversion point to the discharge structure at Kachess Reservoir. Tunnel construction activity would be primarily from the Kachess Reservoir portal. The south tunnel has two segments, which join at a portal located at Exit 62 adjacent to Interstate 90. In addition to Alternatives 1 and 2, a straight alignment north of Alternative 1 remains viable. Reclamation and Ecology could reconsider it depending on geotechnical investigations of Alternatives 1 and 2. Andrew presented a schematic of the KKC which illustrated the diversion options and discharge structure. Two diversion options from the Yakima River to the Keechelus portal are under consideration. Reclamation's Technical Service Center staff recently peer-reviewed the alternative designs and concluded that both alternatives are feasible.

Workgroup Discussion:

- Michael Garrity, American Rivers: When will the DEIS for the KKC and KDRPP be completed? *The DEIS for the KDRPP and KKC is being developed and is expected to be issued in December, 2014 (ed. note: this is likely to be January 2015 instead).*
- Walt Larrick, Reclamation: Historically, the Yakima River basin has experienced a drought once every 4 years, so it is important to get these projects done in time to be of use during the next drought.
- Sean Gross, NMFS: Was a discharge of the KKC tunnel at Box Canyon Creek considered to improve flows for fish passage into the creek from Kachess Reservoir? *Andrew: this may have been discussed but was not evaluated in the actual feasibility study engineering documents. Walt Larrick: the concept was considered, but the hydraulics were not suitable for discharge at that elevation and location.*

Bull Trout Enhancement

Walt Larrick discussed the progress of the bull trout enhancement program. Reclamation and Ecology

have coordinated with USFWS, USFS, Yakama Nation, WDFW, and NMFS to formulate this program. The bull trout enhancement program is being included as a part of each alternative of the KDRPP and KKC in the DEIS for these projects. The bull trout enhancement projects evaluated in the DEIS include projects in Gold Creek and Cold Creek (tributaries to Keechelus Reservoir). As an example, Gold Creek dries up and restricts the passage of juvenile fish. An assessment is being conducted to determine if this condition can be mitigated. In addition, the DEIS would include assessment of other opportunities that would improve bull trout populations, such as an evaluation of nutrient levels and relocation. Other bull trout enhancement assessments include projects in Kachess River, Mineral Creek, and Box Canyon Creek (tributaries to Kachess Reservoir).

Cle Elum Dam Fish Passage Facilities

Walt discussed the progress of the Cle Elum Dam fish passage facilities. The EIS for this project is completed, and the project team is preparing the final design. Project features include an inlet ramp, helix conduit structure, downstream passage conduit, and adult collection facility. Construction of the adult collection facility would require a new road and bridge over the Cle Elum Dam outlet spillway. Reclamation expects to begin construction on this project next year.

Groundwater Storage - Basinwide Analysis

Walt presented the status of the groundwater storage analysis. Four sites were originally identified for the study and, for the next stage of pilot investigation, one of these was selected in the Kittitas Reclamation District area. This site was selected because it could be easily evaluated relative to the other sites. The study hopes to determine if groundwater infiltration would have any benefit to streamflow in fish-bearing tributaries in the area. Reclamation expects to drill wells within the next couple of months. Reclamation and Ecology will monitor the wells and tributaries to determine the impact groundwater infiltration is having on the tributaries.

Workgroup Discussion

- Rick Dieker, Yakima-Tieton Irrigation District: Why have other areas not been selected for the study? *Limited resources restricted the number of study areas that could be evaluated. Reclamation and Ecology continue to consider other options for future investigation.*
- Alex Conley, Yakima Basin Fish & Wildlife Recovery Board: Is the primary goal to get increased flows in tributaries or the Yakima River? *The goal of the current pilot is to increase flows in the tributaries.*

Groundwater Storage – City of Yakima Aquifer Storage & Recovery (ASR)

Chris Pitre discussed the City of Yakima ASR project. The City of Yakima is primarily dependent on surface water. The City has wells for backup supply, but they do not have the capacity to fully replace the surface water supply in the event the supply is interrupted. In the event of drought, high turbidity in the Naches River, chemical contamination, or other surface water issues, it is important to have additional supply redundancy within the system.

Chris discussed the history of the ASR program. In 1998, the City began investigating groundwater as an alternative supply. In 2000, the City tested groundwater infiltration at the Kissel well; this test was successful. In 2002, the City submitted an application to Ecology for watershed planning in support of the ASR project. Groundwater modeling was conducted between 2007 and 2009; the model suggests recoverable quantities of water. In 2014, the City tested groundwater infiltration at the Gardner well; this test was successful. The City is now seeking approval from Ecology of a groundwater infiltration permit. Once approved, the City would be ready to implement the ASR program. When implemented, this project would allow the City to use groundwater sources during drought years or other conditions affecting their surface water supply. This would leave surface water available for other users during those years and would also provide groundwater returning as seepage to support base flow in the Yakima River downstream of the recharge wells.

Of the recharged water, approximately 60 percent remains recoverable after 10 years. Forty percent of the water seeps back into surface water sources. This suggests an approximate 10-percent reduction in recoverable water each year.

The City would convey water to the wells through the municipal water piping system. However, State law WAC 173-200 limits the levels of chloroform that the City can put into the groundwater through ASR projects. This is an issue because the amount of chloroform permitted in municipal drinking water is greater than the amount that is allowed to be put back in the ground under the State law. The City is seeking an Overriding Public Interest (OPI) determination from Ecology that would allow the City to proceed with the ASR despite the WAC 173-200 regulation.

Workgroup Discussion:

- Ron VanGundy, Roza Irrigation District: If 10 percent of additional water were injected annually beyond what was expected to be recovered, then this would allow for 100-percent recovery each year. *Yes, additional water can be injected year after year when it is available, so the full amount needed could be recovered in a dry year.*
- Andrew Graham: Does the issue of chlorine in the water present a similar challenge for other cities in Washington State that want to implement ASR? Is this also an issue in other states? *Yes, other cities in Washington State also face this challenge. It is unique to Washington State regulations; for example, cities in Oregon and California do not have the same issue.*
- Why does the water need to be treated; why not inject water directly from the Naches River? *The water has other constituents in it that would need to be removed, and the City's drinking water piping system is needed to transfer the water from the river to the injection wells. Since it goes through the drinking water system, it has to be treated to meet drinking water standards.*

Habitat Enhancement and Agricultural Conservation Projects

Ben Floyd discussed the progress of the Yakima River basin habitat enhancement and agricultural conservation projects that the State funded in the 2013-2015 biennial budget. He displayed a graphic listing 21 projects being advanced by different local governments, agencies or groups in the Yakima

River basin. All of these projects have been making progress and are moving forward, with many projects under construction or expected to be constructed prior to the 2015 irrigation season.

Teanaway Community Forest

Rick Roeder provided an update on the Teanaway Community Forest (TCF). The advisory committee began meeting in March 2014. The committee was charged with making recommendations to WDFW and WDNR on a strategic plan for the TCF. This summer, WDFW and WDNR completed a significant amount of work on the plan, addressing roads, facilities, and campground restoration. Historically, there has been little enforcement of recreational-use restrictions in the TCF, such as off-road vehicle use. This year there has been a heavy emphasis on education and enforcement.

The committee has been establishing goals and performance measures to meet its objectives. As an example, the committee established a watershed protection goal, which includes restoring floodplain connectivity, utilizing woody debris to capture stream sediments and raise streambed elevations, and focusing efforts on streams that would generate benefits for listed species. The committee is currently finalizing recreation goals and would be holding an open house on December 4, 2014, to receive public feedback on these goals. The committee is targeting a June deadline for completing the strategic plan. Mike Livingston noted that the public has a high interest in recreational use within the TCF. The committee plans to establish general guidelines for recreation now and determine detailed requirements at a later phase. The two agencies have developed a funding request within the State budget process to support this later phase.

Executive Committee and Subcommittee Updates

Derek Sandison introduced the Executive Committee and provided an update of recent efforts. The Executive Committee has focused on keeping all projects moving forward. The State is on a 2-year budget cycle. In January 2015, the State legislature will begin considering the 2016-2017 biennial budget. The Executive Committee has requested funding for the Integrated Plan. In particular, the committee has requested that State funds match the Federal contributions. The Federal budget for 2015 is anticipated to be \$15 million. This would result in a total of \$30 million in combined funding from the State and Federal governments. If the State and Federal governments approve this level of funding, approximately \$10 million would go toward each of the following three categories: 1) storage, 2) fish passage, and 3) a combined category including conservation, habitat acquisition, ASR, and market reallocation. This would maintain a balanced portfolio of Integrated Plan initiatives moving forward. Derek also discussed the budget requests for specific projects.

Wendy Christensen noted that Jason Kuiken, Deputy Forest Supervisor, was recently appointed to the Executive Committee.

Habitat Subcommittee

Jeff Tayer discussed work recently done by the Habitat Subcommittee. The subcommittee has developed a \$5 million package of habitat projects which was included in the State budget proposal (discussed above). Jeff said several agencies with fisheries expertise contributed to the bull trout enhancement projects related to the KKC and KDRPP. He is very excited that this is being developed

up front as part of the infrastructure projects proposal. The subcommittee has also supported the NRCS RCPP grant application request process, which would provide additional funding for water conservation and habitat protection and restoration actions in the plan. Jeff also mentioned that county flood management zones are in place now and that provides strong synergy with the Integrated Plan habitat enhancement element.

Lisa Pelly, Washington Water Project, Trout Unlimited, explained that Ecology and the Implementation Committee recently submitted the final NRCS proposal. This proposal requested \$15 million for a variety of Integrated Plan projects. Lisa noted that she was optimistic that they would receive funding, though it may not be for the full amount requested. The Yakama Nation also submitted a separate, complementary, proposal for additional funds. NRCS will respond to the two proposals in early November. Lisa commended everyone who contributed to the proposal and the Implementation Committee's efforts in Washington, DC, to advance the Integrated Plan. The Workgroup will have the opportunity to submit another application next year.

The Habitat Subcommittee is also working with the other subcommittees (Watershed Land Conservation and Water Use) to align their work on overlapping initiatives. The three subcommittee chairs are organizing a joint meeting for later this year.

Water Use Subcommittee

Scott Revell discussed recent efforts by the Water Use Subcommittee. The subcommittee narrowed a long list of proposed water conservation projects down to a \$5 million package of recommended projects for the State budget proposal. These projects are geographically distributed, address a variety of needs, and focus on where the greatest benefits can be achieved.

Watershed Land Conservation Subcommittee

Paul Jewell, Kittitas County, discussed the Lands Subcommittee progress. The subcommittee has accomplished the majority of the land acquisition goals that were identified for the upper watershed in the Integrated Plan. The only remaining land acquisitions are in shrub-steppe areas at lower elevations. The committee is discussing a watershed-scale approach to managing fish habitat, water supply and water quality.

Outreach Subcommittee

Urban Eberhart summarized the work of the Outreach Subcommittee. The subcommittee is continuing to develop materials on the Integrated Plan. American Rivers and the Wilderness Society are working to develop a video on the Integrated Plan.

Workgroup Roundtable Discussion

Ben Floyd opened the floor to Workgroup members. Specific comments included:

- Alex Conley: The Habitat Subcommittee has been working to keep projects coming in. It is important to keep ongoing projects moving forward but also to identify new projects for future years.
- Dave Brown: Dave is looking forward to launching the Municipal Suppliers Conservation group within the Water Use Subcommittee. Member municipalities between Ellensburg and the Tri-Cities have been identified for this group.
- Urban Eberhart: He believes the initial development phase can be accomplished on schedule.
- Seth Defoe: Seth is interested to see the Integrated Plan water supply modeling results under the climate change scenarios. Kennewick Irrigation District continues to have concerns that water conservation and other actions above Parker could reduce their supply and wants to work with others in the basin to prevent this from happening.
- Patty Garvey-Darda: Patty is new to the Workgroup. She oversees the Forest Service's activities involving environmental restoration associated with the State's I-90 improvement project; and is participating in the EIS process for the CEPR, KKC and KDRPP. It is important that these projects are consistent with the Forest Service's Forest Plan. One key is that the projects provide a net benefit; if this can be achieved, the projects would not trigger more complex requirements for environmental compliance by the Forest Service. The CEPR looks like it can successfully achieve this, and she would like the KKC and KDRPP projects to do so as well.
- Jaclyn Hancock: Jaclyn is new to the Workgroup. She is a hydrogeologist for the Washington State Department of Agriculture and has been assigned to cover water supply and drought preparation for areas in the state, including the Yakima Basin. She is replacing Kirk Cook on the Workgroup.
- Paul Jewell: Kittitas County is paying close attention to the TCF. Paul is looking forward to working through management issues for the TCF. He is pleased to see that the CEPR DEIS has been issued, and is looking forward to the KKC and KDRPP DEIS being issued as well. In addition, the County is pleased that further acquisitions of private land in the upper watershed would not be needed, since the targeted areas were acquired and we can move on from that phase of activity.
- Phil Rigdon: Phil is pleased that the Indian Creek restoration project in the TCF is getting attention.
- Dale Bambrick: Dale thanked Scott Revell for taking lots of input on water conservation projects. Dale also thanked the Department of Natural Resources (DNR) for stepping up on the TCF. He noted that restoration work is needed in the TCF, and he hopes to continue working with DNR on restoration projects.
- Sid Morrison: Sid urged the Workgroup members to look at the Normandeau report posted on the YRBWEP website. Any questions can be sent to Sid. He also invited Bob Hall of YBSA to tell the group that climatologist Cliff Maas from the University of Washington will be addressing an upcoming Rotary Club meeting, and members of the Workgroup can attend as guests. Those interested should contact Bob Hall.

- Jeff Thomas: Jeff commended everyone's hard work. After working together for 5 years, Jeff has trust in Reclamation, HDR, and Anchor QEA. He is concerned about the Normandeau report findings presented today. Ideally he hopes that any differences between that review and the HDR studies can be reconciled. *Wendy commented that Reclamation has not had an opportunity to review the Normandeau report. The climate change analyses used in the Integrated Plan were vetted by the Federal climate team and the University of Washington. As such, Wendy expressed confidence in the Integrated Plan results. Ben added that transparency may seem like an issue when the Integrated Plan is reviewed as a stand alone document. However, multiple other studies and discussions held by subcommittees and documented in meeting notes and other work products have contributed to the development of the Integrated Plan and this information should also be considered when evaluating topics addressed in the Integrated Plan. Derek said the state will update the needs analysis and demand forecast in 2016.*
- Mike Leita: The Workgroup is successfully implementing the Integrated Plan. It would deliver 200,000 acre-feet of supply in the initial phase that has not been available before the plan was developed. The Integrated Plan would be the first successful example of large scale drought relief planning.
- Lisa Pelly: Lisa urged the Workgroup to continue to collaborate. She does not think it is helpful to have divergent efforts by members of the group.
- Wendy Christensen: Wendy announced the public meeting for the CEPR DEIS will be held this evening from 4 to 7 p.m. at the Cle Elum Ranger Station in Cle Elum.

Public Comment

- Chris Maykut, Friends of Bumping Lake: Their group had a good summer, as 16 groups signed on to oppose the enlargement of Bumping Lake. Two national organizations have also joined. There are 132 new members. Friends of Bumping Lake will do everything they can to oppose this project.
- Bill Campbell, Lake Kachess Homeowners Association: The agencies promoting the Integrated Plan have not engaged the people who will be most affected by the projects. Those are people who live on the lakes or use them for recreation. There are thousands of them. He hears at this meeting lots of talk about how there is a united front, but the people who are most directly and adversely affected are being excluded.
- David Ortman: The Federal Council on Environmental Quality requested input on programmatic EISs. A letter was delivered to the Council regarding the Integrated Plan Programmatic EIS, citing it as a bad example of a programmatic EIS. He provided handouts for inclusion in the meeting record.
- A homeowner in the Easton area: The Workgroup is failing to evaluate the economic costs of the Integrated Plan. For example, it does not account for those who are negatively impacted by the Integrated Plan. Instead, it only considers the benefits to irrigators. This is a transfer of wealth. The projects involve a taking of private land, and that is unconstitutional.

Workgroup Members in Attendance

Dale Bambrick, National Marine Fisheries Service
Dave Bos, Sunnyside Irrigation District
Dave Brown, City of Yakima
Alex Conley, Yakima Basin Fish & Wildlife Recovery Board
Seth Defoe, Kennewick Irrigation District
Rick Dieker, Yakima-Tieton Irrigation District
Peter Dykstra, Plauché & Carr, LLP
Urban Eberhart, Kittitas Reclamation District
David Fast, Yakama Nation - Yakima/Klickitat Fisheries Project
Michael Garrity, American Rivers
Patty Garvey-Darda, U.S. Forest Service - Cle Elum Ranger District
Paul Jewell, Kittitas County
Mike Leita, Yakima County
Mike Livingston, WDFW
Sid Morrison, YBSA
Lisa Pelly, Washington Water Project, Trout Unlimited
Scott Revell, Roza Irrigation District
Phil Rigdon, Yakama Nation
Rick Roeder, Washington State Department of Natural Resources
Derek Sandison, Washington State Department of Ecology, Office of Columbia River
Jeff Thomas, USFWS
Dawn Wiedmeier, Bureau of Reclamation, Columbia-Cascades Area Office

Other Attendees

Justin Bader, North Yakima Conservation District
David Bowen, Kittitas County Chamber of Commerce
Bill Campbell, Lake Kachess HOA
Debbie Carlson, Bonneville Power Administration
Corey Carmack, Bureau of Reclamation
Tom Carpenter, YBSA
David Child, Yakima Basin Joint Board
Wendy Christensen, Bureau of Reclamation, Columbia-Cascades Area Office
Tony Coluccio, Frank Coluccio Construction
Stuart Crane, Yakama Nation
Susan Crawford, Bureau of Reclamation
Charlie de la Chapelle, YBSA
Warren Dickman, YBSA
John Easterbrooks, WDFW
Jack and Beneitta Eaton, landowners
Bill Ferry, Bureau of Reclamation, Columbia-Cascades Area Office
Ben Floyd, Anchor QEA
Chuck Freeman, Kennewick Irrigation District
Joel Freudenthal, Yakima County

Raelene Gold, Seattle Audubon
Andrew Graham, HDR Engineering, Inc.
Sean Gross, National Marine Fisheries Service
Bob Hall, YBSA/Yakima Auto Dealers
Jaclyn Hancock, Washington State Department of Agriculture
Tim Hill, Washington State Department of Ecology
Lynn Holt, Bureau of Reclamation, Columbia-Cascades Area Office
Eleanor Hungate
Chuck Klarich, YBSA
Paul La Riviere, WDFW
Walt Larrick, Bureau of Reclamation
Mattson Larson, Kiewit
Barb Lisk, Office of Representative Doc Hastings
Larry Martin, Velikanje Halvorson
Natalie Martinkus, YBSA
Daniel Martinez, S. Martinez Livestock
Chris & Samantha Maykut, Friends of Bumping Lake
Tim McCoy, Bureau of Reclamation
Keith McGowan, Bureau of Reclamation
David McKenzie, Kennewick Irrigation District
Candy McKinley, Bureau of Reclamation
Jim Milton, Yakima-Tieton Irrigation District
Bryan Myre, Yakama Reservation Irrigation District
David Ortman, Sierra Club
Elaine Packard, Water/Salmon Committee, Cascade Chapter, Sierra Club
Sarah Pistorese, HDR Engineering, Inc.
Chris Pitre, Golder Associates
Kate Prengaman, Yakima Herald-Republic
Kristina Ribellia, Washington Water Trust
Mike Shuttleworth, Benton County
Jeff Tayer, WDFW
Ron VanGundy, Roza Irrigation District
Richard Visser, USFWS
Jonathan Yoder, Washington State University

Where to Find Workgroup Information

Meeting materials, notes, presentations, and materials submitted during public comment for the Workgroup meetings will be posted on the project website

(<http://www.usbr.gov/pn/programs/yrbwep/2011integratedplan/index.html>). A bibliography of information sources, many of which are available online, is also posted on the website.

If anyone needs help finding an information source, contact those listed at the top of page 1 of these notes or Ben Floyd at Anchor QEA, Kennewick office, (509) 491-3151, or bfloyd@anchorqea.com.