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## Meeting Notes

### **Yakima River Basin Water Enhancement Project (YRBWEP) Workgroup**

**September 9, 2015**

**Yakima Arboretum, Yakima WA**

#### **Welcome, Introductions, and Agenda Overview**

Ben Floyd, Anchor QEA meeting facilitator, welcomed the YRBWEP Workgroup and other attendees, led introductions, and provided an overview of the agenda. These notes summarize presentation highlights, workgroup comments, and public comments. For more detail, please see the full presentations which are available on the project website

at <http://www.usbr.gov/pn/programs/yrbwep/2011integratedplan/index.html>

Ben welcomed new workgroup member, Tom Tebb, the new Director for the Office of Columbia River, Washington State Department of Ecology.

#### **2015 Drought Impacts**

Urban Eberhart, Kittitas Reclamation District (KRD), introduced Mark Hanson, who has been a farmer in the Badger Pocket area for 20 years and serves on KRD's board of directors. Mark described the impacts that 2015 drought conditions have had on KRD farmers. Many KRD farmers have pivot irrigation systems, which are more efficient than traditional irrigation systems. Despite these efficient systems, reduced water supplies have required KRD to shut off water diversions early this year (August 10, 2015), resulting in farmers having to fallow many acres. Crops receiving reduced amounts of water are anticipated to be lower quality and earn lower prices. Generally, the farmers use a 3-year rotation schedule, but 2015 drought conditions have thrown off this schedule, resulting in multiyear impacts on farms such as reduced yield and weed-control issues. Ranchers have had to sell some of their cattle, since they are unable to support larger herd sizes. KRD has identified 45 water efficiency projects that would help alleviate drought conditions. These projects require funding. KRD farmers recently submitted a Natural Resource Conservation Service (NRCS) funding proposal to help fund some of these projects. Urban stated that the Integrated Plan will help improve water supplies in the Yakima River basin and therefore reduce impacts on farms.

Scott Revell, Roza Irrigation District (Roza ID), introduced Jim Willard, Roza ID board member and Roza farmer since 1951. Jim grows mostly grapes, apples, and hops. This year, Jim had to fallow approximately 18 percent of his fields. Additionally, Jim anticipates that the apples and grapes that he produces will be smaller than in average years. Jim uses a drip irrigation system because it is more



efficient; one-third of his water use is traditional overhead irrigation systems. Jim noted that farmers often prefer overhead irrigation systems since they distribute water over a larger area, which is beneficial for crops with wide reaching roots such as fruit trees. In addition, Jim spent more time and money this year mowing ground cover crops and controlling weeds. Some farmers have installed deep groundwater wells to provide supplemental irrigation water. These wells are operated with diesel generators making them expensive to use. In addition, mitigation is required for pumping, which adds to the cost of using groundwater. Many farmers have spent extra money to replace well infrastructure. In addition, some farmers have had to deepen their wells, because the groundwater table has dropped since the 2001 drought. Overall, Jim anticipates that the quality and quantity of crops will be greatly impacted this year. If this continues, fruit trees will die and have to be cut down. Banks are now scrutinizing farm operation costs and their access to water before making loans that are critical to farmers.

Seth Defoe, Kennewick Irrigation District (KID), described the drought impacts and response in KID. KID is dependent on return flows from upstream users. The volume of return flows is impacted by upstream consumptive water uses and water conservation. Going into 2015, KID did not know what to expect. As it turns out, there have been record low flows in the Yakima River and therefore record low water supply available to KID. KID serves many urban water users. In response to reduced water supplies, KID has implemented watering schedules for urban customers. This effort has involved considerable public outreach to educate urban customers about drought conditions and water conservation to help reduce peak use. KID has hired code enforcement staff to ensure that customers are adhering to the watering schedules. Customers are subject to fines if they violate watering schedules repeatedly. KID has also worked with large users, such as schools, to implement other water conservation measures. KID has also implemented irrigation efficiency measures, including lining irrigation canals. Despite these efforts, many KID farmers have had to fallow their fields this year. Seth noted that he is looking forward to seeing the results of the lower Yakima River basin hydrologic modeling effort, which is ongoing.

Phil Rigdon, Yakama Nation, described drought impacts on the Wapato Irrigation Project (WIP). Drought conditions have impacted crop production as well as fueled large forest fires. Stuart Crane, Yakama Nation, stated that water conservation projects implemented in the WIP have helped farmers be more resilient to drought conditions. However, conservation has contributed to reduced return flows for WIP farmers downstream. WIP continues to seek funding to improve water supply and irrigation infrastructure.

### **Implementation Committee Update**

Tom provided a summary of the State Biennium Budget. The Washington State Legislature passed the State Biennium Budget on June 30, 2015. The budget includes approximately \$30 million for Integrated Plan projects. This includes approximately \$9.5 million for water supply projects, \$9.5 million for fishery projects, \$5 million each for water conservation and habitat projects, and \$1 million for ground water storage and market reallocation. The Implementation Committee and Subcommittees are providing input on how these funds should be allocated for the greatest benefit.

In late June, Senator Cantwell announced introduction of Senate Bill 1694 (SB1694) regarding the Integrated Plan. On July 1 she held a preliminary conference in Yakima. On July 7, the Implementation Committee testified at the SB1694 hearing in Washington DC. The Implementation Committee has since suggested minor edits to the bill.

Sid Morrison, Yakima Basin Storage Alliance, asked Tom if groundwater is still a big problem in the Yakima basin. Tom said he is concerned to hear that drought emergency wells have seen falling water levels. And he noted that some irrigators are now paying mitigation fees for using groundwater.

## **Executive Committee and Subcommittee Updates**

### *Joint Meeting of the Subcommittees*

Jeff Tayer, Washington State Department of Fish and Wildlife (WDFW) and Habitat Subcommittee Chair, provided a summary of the July 21 Joint Meeting of the three subcommittees (Habitat, Water Use, and Watershed Land Conservation). There are many opportunities for the subcommittees to pursue projects that achieve both water supply and habitat improvement objectives. Jeff emphasized that it is important for the subcommittees to coordinate their efforts to achieve the greatest benefits. Currently, the subcommittee chairs are working on a watershed-scale approach that will promote Integrated Plan goals and support land managers to achieve watershed-scale habitat and water supply objectives.

### *Habitat Subcommittee*

Jeff provided an update on the Habitat Subcommittee. They plan to meet September 22 to review the projects in the Habitat Subcommittee State Biennium Budget proposal and update project information as needed. At this meeting, the subcommittee will also discuss opportunities for leveraging State funds.

Jeff introduced Tom Elliot, Yakama Nation, who will be leading the boundary water projects and on-reservation NRCS funding proposal effort. The boundary water projects are located in and along the border of the Yakama Reservation. These projects focus on habitat enhancement, instream flow improvement, and wetland restoration objectives. The Yakama Nation received NRCS and State funds in 2015. With these funds, the Yakama Nation has identified eight priority projects that they would implement over the next five years. Initial projects include the Toppenish Creek Fan Restoration 3-Way Levee Set Back, and the North Satus Drain Realignment. The Yakama Nation plans to submit a 2016 NRCS proposal for on-reservation Integrated Plan projects. The preproposal was accepted, and Tom is working on the final proposal due in early November. This proposal includes projects such as building check structures, piping irrigation canals, and replacing the Unit 2 Dam.

Anna Lael, Kittitas County Conservation District, is preparing the 2016 NRCS proposal for off-reservation Integrated Plan projects. NRCS feedback on the 2015 off-reservation proposal suggested that it was too general. As such, the 2016 NRCS proposal is more focused and identifies specific projects, with a geographic focus in Kittitas County. The preproposal was accepted and Anna is working on the final proposal, due in early November. The proposal is for approximately \$4.7 million, with roughly 60 percent for on-farm water conservation projects and 40 percent for fish screen, fish passage, and land conservation projects. Jeff noted that the projects proposed for Manastash Creek will

allow salmon to migrate into the upper watershed. Salmon serve an important ecological function and their presence in the ecosystem provides benefits to the full watershed.

#### *Water Use Subcommittee*

Scott provided an update on the Water Use Subcommittee. The subcommittee will be meeting on September 29 to review the projects in the Water Use Subcommittee State Biennium Budget proposal and update project information as needed. The subcommittee has recently hosted water conservation project tours. Tour participants have included representatives from Washington State Department of Agriculture, WDFW, and Ecology. Scott noted that Roza is happy to do public tours of their system. Roza is proud of the efficiency improvements that they have implemented in their irrigation system.

#### *Municipal Water Use Subgroup of the Water Use Subcommittee*

Dave Brown, City of Yakima and Municipal Water Use Subgroup Chair, provided an update. The subgroup is developing a work plan for efforts moving forward. Dave recently sent a letter to large municipal users in the region (e.g., school boards, parks departments) to inform users about municipal water conservation practices. Dave noted that the City of Yakima has recently aired television advertisements to educate customers on water conservation practices. The subgroup is looking for additional members to represent the municipalities in the basin.

#### *Watershed Land Conservation Subcommittee*

Andrew Graham, HDR Engineering, provided an update on the Watershed Land Conservation Subcommittee, which met on September 3. The meeting included discussion of a possible Wild and Scenic River designation in the Cle Elum River basin and Teanaway Community Forest (TCF). In addition, the subcommittee discussed the development of a watershed-scale approach. The chairs are considering the role of the Integrated Plan in supporting land managers to achieve watershed-scale habitat and water supply goals. As part of this effort, Andrew Graham, Sarah Pistorese, and Ben Floyd conducted interviews to determine how land managers in the Yakima River basin are managing watershed lands. The subcommittee discussed the key findings from these interviews. The chairs will continue to advance watershed-scale options.

Wendy provided an update on the Bureau of Land Management (BLM) tour. On July 14, subcommittee members gave Jerry Perez, BLM Director for Washington and Oregon, a tour of the Manastash Creek project, Yakima Canyon, and Eaton Ranch. J.A. Vacca, Wildlife Biologist from BLM's Wenatchee Field Office also participated. The tour included a discussion of the Integrated Plan and BLM efforts.

#### *Outreach Subcommittee*

Michael Garrity, American Rivers and Outreach Subcommittee Chair, discussed the Outreach Subcommittee's recent activities. The subcommittee has been working on supporting SB1694. Nicky Pasi was recently hired by American Rivers as the new Outreach Coordinator for the Yakima Basin Integrated Plan.

## Technical Work Update

### *Cle Elum Dam Fish Passage Facilities*

Phil Rigdon provided a summary of the Cle Elum Fish Passage Facilities ceremony. On August 27, the Yakama Nation, Reclamation, and Ecology hosted a ceremony to mark the first phase of construction of fish passage at Cle Elum Dam. The event included several speakers, a salmon bake, and numerous displays, including a 1:9 scale model of the helix fish passage structure. Phil emphasized that this event marks an important achievement for fish passage in the basin. Tom stated that this was a milestone for all Integrated Plan partners.

### *Cle Elum Pool Raise*

Wendy provided an update on the Cle Elum Pool Raise project. Reclamation will award the contract in September for the radial gate modification, and construction will begin in 2016. The reservoir pool elevation will not be raised until the shoreline protection work is done. Reclamation is preparing bid packages for the shoreline protection work. Reclamation and Ecology will continue coordinating with the U.S. Forest Service and landowners throughout the construction phase.

### *Tieton Dam Fish Passage Facilities*

Sarah Pistorese, HDR Engineering, discussed the Tieton Dam Fish Passage Facilities appraisal assessment. Reclamation and Ecology initiated the appraisal assessment in March 2015. Since then, Reclamation, Ecology, the Yakima Storage Dam Core Team, and the HDR Consultant Team have held three workshops to refine the appraisal assessment alternatives for upstream and downstream fish passage at Tieton Dam. Through these workshops, the project team identified one upstream alternative, Trap and Haul, and two downstream alternatives, Alternative 1– Floating Collector, and Alternative 2 – Fixed Collector. Sarah described the major components of the upstream fish passage alternative including the fish barrier, fishway, trap and holding pond, and transport vehicle. Reclamation and Ecology would select the release location for upstream passage during the feasibility study phase. Sarah described major components of the two downstream alternatives. Alternative 1, the Floating Collector, would extend from the center of Tieton Dam into the reservoir and would include a debris management system, fish guidance system, floating collection barge, fish transfer system, and transport vehicle. Reclamation and Ecology would select the release location for downstream passage during the feasibility study phase. Alternative 2, the Fixed Collector, located on the right bank of the reservoir near the dam abutment, would include a debris management system, 10 fixed inlets, a helix bypass structure, and bypass conduit. This alternative is similar to the downstream fish passage structure designed for Cle Elum Dam. Both downstream alternatives assume a 70-foot reservoir collection depth. Wendy noted that Alternative 1 has a lower capital cost and less associated safety-of-dam risks; she has discussed advancing the floating collector into feasibility with Yakama Nation agencies as a preliminary recommendation. HDR will submit the Final Appraisal Assessment Report on October 2. Based on the findings and recommendations in this report, Reclamation and Ecology will decide how to advance this project to the feasibility study phase.

### *Kachess Drought Relief Pumping Plant*

Wendy provided an update on the Kachess Drought Relief Pumping Plant (KDRPP). Reclamation is reviewing and working on responses to comments on the Draft Environmental Impact Statement (EIS) for the KDRPP and Keechelus-to-Kachess Conveyance (KKC). In response to comments on the Draft EIS, Reclamation is monitoring existing groundwater wells and reviewing property values, and WDFW is conducting a food-web analysis of Kachess Reservoir. Reclamation is also monitoring the water surface elevations in the narrows between upper and lower Kachess Reservoir. In late-June, Reclamation, the Yakama Nation, and the proratable irrigation districts conducted the Value Analysis Study to identify more cost effective alternatives. The proratable irrigation districts are developing options based on the outcome of this Value Analysis. Additional drilling will be conducted this fall along the alignment of the KDRPP South Pumping Plant Alternative.

Dave Nazy, Ecology, provided a summary of the Kachess groundwater well monitoring effort. Results suggest the following: during the winter and spring groundwater elevations are influenced most by precipitation and snow melt recharge; during the summer and fall groundwater elevations near the reservoir are closely linked to the surface water elevation of the reservoir.

### *Keechelus-to-Kachess Conveyance*

Wendy provided an update on the KKC. Reclamation is reviewing and working on responses to comments on the Draft KDRPP and KKC EIS. Additional drilling will be conducted this fall along the North Tunnel alignment.

### *Bumping Dam and Reservoir Enlargement*

Drilling at the Bumping Dam and Reservoir Enlargement site is underway. Drillers are trying to determine the depth to bedrock in this area. Collection of geotechnical data has involved coordination with the U.S. Forest Service, distribution of notices to the public and ongoing seismic evaluations.

### *Lower Yakima River Basin Hydrologic Modeling*

Andrew provided an update on the Lower Yakima River Basin Hydrologic Modeling effort. HDR Engineering has been working with KID, Ecology, and Reclamation to refine the model to answer questions KID has posed about the effects of water conservation projects on return flows they depend on. HDR modelers have upgraded the hydrologic model of the Yakima River basin to more accurately reflect diversions, return flows, seepage, and gains between Parker and Process. The model originally focused on hydrologic conditions above the Parker gage. Modelers have refined how water conservation efforts below Parker gage (Sunnyside, Roza, and WIP) are defined and developed water conservation scenarios for expected future projects in this area. However, modelers are still not getting satisfactory accuracy for the Lower River, so they are reviewing options for additional improvements to the model. Once that is done, modelers will run the conservation scenarios, Integrated Plan scenarios, and climate change scenarios.

### *Groundwater Storage*

Reclamation and Ecology have been working with the groundwater workgroup members and Reclamation's Regional Office to implement pilot studies throughout the Yakima Basin. These studies

will allow us to better understand the potential of groundwater storage and the best way to use this technique to meet Integrated Plan goals. The first pilot study uses the KRD system in the Kittitas Valley to better understand the relationship between KRD's canal and the shallow groundwater in the area. The study will also investigate how water in KRD's canal influences water in the local tributaries in early spring. Reclamation and Ecology have also worked with the Yakama Nation on a pilot study they are conducting in the Toppenish Creek, White Swan area. The groundwater workgroup members are currently reviewing the Groundwater Managed Recharge Report for this year's efforts and also planning next year's work on pilot projects that will continue to assess the potential of groundwater in meeting IP goals. The Groundwater Managed Recharge Report should be available to the workgroup members in November 2015.

#### *Teanaway Community Forest (TCF)*

Mike Livingston, WDFW, provided an update on the TCF. The TCF Management Plan was signed on June 25. There are five new members and 15 returning members on the TCF Advisory Committee. The next Advisory Committee meeting will be September 17. The Department of Natural Resources (DNR) and WDFW plan to start documenting baseline conditions in the TCF for features such as fish passage and grazing areas this year. Additionally, the Indian Creek project is moving forward. This project includes 1 mile of stream restoration along Indian Creek. Mike noted that the TCF could be a potential location for implementing the watershed-scale approach to improve habitat, water supply, and wildfire conditions. Rick Roeder, DNR, stated that WDFW and DNR only received a portion of their budget request for TCF operation and capital projects. WDFW and DNR may propose a supplemental budget request for the TCF in 2016.

#### *Kittitas Reclamation District Stream Supplementation*

Urban described the KRD Stream Supplementation project. There are nine tributaries that are currently supplemented by Yakima Project water routed through the KRD irrigation infrastructure. There have been lower flows than expected this year. Therefore, KRD has increased the amount of water diverted into the nine tributaries to maintain minimum flows for migrating fish. For example, an additional 6 cfs has been diverted into Little Creek successfully saving fish that were stranded in Little Creek due to low water levels. Workgroup members gave Tom Iseman, U.S. Department of the Interior Deputy Assistant Secretary for Water and Science, a tour of this project. Urban stated that his project has been a success due to Integrated Plan partnerships. Tom Tebb noted that Ecology has been meeting with the Yakama Nation and other irrigation districts to identify other stream supplementation projects in the basin. Rick Dieker, Yakima-Tieton Irrigation District (YTID), stated that YTID infrastructure has been used to supplement flows in the South Fork Cowiche Creek. This has helped to maintain minimum flows for fish passage in Cowiche Creek

#### **Bull Trout Memorandum of Understanding**

Jeff described the purpose of the Bull Trout Memorandum of Understanding (MOU). This MOU is intended to be a long term commitment to enhance Bull Trout populations in the Yakima River basin. In recognition of this commitment, Tom Tebb (Ecology), Dawn Wiedmeier (Reclamation), Phil Rigdon

(Yakama Nation), and Mike Livingston (WDFW) signed the Bull Trout MOU during the workgroup meeting. The Bull Trout MOU will also be sent to representatives from the U.S. Forest Service and U.S. Fish and Wildlife Service for their signatures.

### **Public Comment**

- Elaine Packard, Sierra Club: Elaine provided a copy of the Sierra Club's testimony letter to the U.S. Senate Energy and Natural Resources Committee.
- Jerry Watts: When will the KDRPP and KKC EIS be available for public comment again? *Reclamation and Ecology have not yet decided how the KDRPP and KKC will move forward. Therefore, there is no schedule yet for the Final EIS. The public will be informed when a schedule has been established.*
- Miles McPhee: Does the Integrated Plan EIS and Four Accounts Analysis account for the impact on fish from increased water temperatures due to climate change? Sockeye did not move up the Yakima River from the Columbia River this year due to the high water temperatures. The warmer water temperatures experienced this year are a preview of what future conditions will be like. This could have an impact on the amount of fish benefits realized by the Integrated Plan.
- Chuck Klarich, Yakima Basin Storage Alliance: It is important to consider the impact that drought conditions could have on the future economy of the Yakima River basin without additional storage. Also, the Kachess groundwater well assessment should consider (1) what would be the impact to the Kachess Campground well if the reservoir is drawn down to a lower elevation, and (2) how deep would the well need to go to get reliable water.
- Jean Mendoza, Friends of Toppenish Creek: Irrigation water used for crops should be prioritized over irrigation water for lawns.

### **Workgroup Roundtable Discussion**

- Stuart Woolley, U.S. Forest Service: Due to wildfires this year, the Forest Service has lost the opportunity to do road related stream habitat enhancements. They plan to sort out how to address that.
- Michael Garrity, American Rivers: American Rivers is working on outreach for the proposed upper Cle Elum River Wild and Scenic River designation.
- Scott Revell, Roza: Scott gave Grant Learned, Kachess homeowner, a tour of Roza's system to demonstrate the efficiency measures that have been implemented.
- Jeff Tayer, WDFW: There are many opportunities to improve the basin if we continue to work together instead of divided.
- Jeff Thomas, U.S. Fish and Wildlife Service: The Bull Trout MOU is a very encouraging. It will be good to see this effort move forward.
- Rick Roeder, DNR: I'm enthusiastic about the watershed-scale approach.
- Dawn Wiedmeier, Reclamation: Reclamation has a fairly new drought relief grant program. More details can be found on the WaterSmart website.

- Commissioner Paul Jewell, Kittitas County: He appreciates all the work that was done on the TCF Management Plan. Kittitas County is nearly done restoring the access road to the TCF. The road project has involved a lot of public engagement and overall has been very successful.
- Dale Bambrick, National Marine Fisheries Service: KRD, Ecology, and Reclamation have done great work on the stream supplementation project.
- Mike Leita, Yakima County: The Implementation Committee appreciates Senator Cantwell's leadership. It is also impressive to see the Integrated Plan influencing other entities in the basin. It is important to do what is necessary to maintain the economic vitality in the Yakima River basin.
- Alex Conley, Yakima Basin Fish and Wildlife Recovery Board: It is great to see the Bull Trout MOU signed. A lot of work has gone into this accomplishment.
- Mike Livingston, WDFW: It is great to see the irrigation districts helping fish. It is valuable to do tours of actual projects, such as Roza's tours of their irrigation system.
- Seth Defoe, Kennewick Irrigation District: I'm interested to hear more about the watershed-scale approach. Wildfires should be considered as part of the watershed effort.
- Sid Morrison, Yakima Basin Storage Alliance: The impact of increasing water temperatures on fish should be considered when evaluating the economic benefits of the Integrated Plan. Also, I suggest that the Bumping Dam and Reservoir Expansion project will be difficult to achieve due to opposition from environmental groups and homeowners, and it should be dropped.
- Phil Rigdon, Yakama Nation: Thanks to everyone for your support at the Cle Elum Fish Passage Facilities ceremony.
- Urban Eberhart, KRD: The Integrated Plan is essential for managing future conditions.

Ben Floyd closed the meeting by noting the next workgroup meeting date: December 16, 2015.

## **Attendance**

### **Workgroup Members in Attendance**

Alex Conley, Yakima Basin Fish & Wildlife Recovery Board  
 Dale Bambrick, National Marine Fisheries Service  
 Dave Brown, City of Yakima  
 David Fast, Yakama Nation  
 Dawn Wiedmeier, Bureau of Reclamation - Columbia-Cascades Area Office  
 Jaclyn Hancock, Washington State Department of Agriculture  
 Jeff Tayer, WDFW and Habitat Subcommittee Chair  
 Jeff Thomas, USFWS, Mid-Columbia River Fishery Office  
 Jim Trull, Sunnyside Valley Irrigation District  
 Michael Garrity, American Rivers  
 Mike Leita, Yakima County  
 Mike Livingston, WDFW  
 Mike Shuttleworth, Benton County

Paul Jewell, Kittitas County  
Phil Rigdon, Yakama Nation  
Rick Dieker, Yakima-Tieton Irrigation District  
Rick Roeder, Washington State Department of Natural Resources  
Ron VanGundy, Roza Irrigation District  
Scott Revell, Roza Irrigation District and Water Use Subcommittee Chair  
Seth Defoe, Kennewick Irrigation District  
Sid Morrison, Yakima Basin Storage Alliance  
Stuart Woolley, U.S. Forest Service  
Urban Eberhart, Kittitas Reclamation District

### **Other Attendees**

Andrew Graham, HDR Engineering, Inc.  
Anna Lael, Kittitas County Conservation District  
Ben Floyd, Anchor QEA  
Bob Hall, YBSA/Yakima Auto Dealers  
Brian Schmidt, NYCD  
Bryan Myre, Yakama Reservation Irrigation District  
Candy McKinley, Bureau of Reclamation  
Chad Stuart, Bureau of Reclamation  
Charlie de la Chapelle, YBSA  
Chris Lynch, Bureau of Reclamation  
Chuck Freeman, Kennewick Irrigation District  
Chuck Klarich, YBSA  
Colleen Rauert, Ecology  
Dan Church, Bureau of Reclamation  
Dan Silver  
Dave Nazy, Ecology  
David Ortman  
David Reeploeg, Office of Senator Maria Cantwell  
Debbie Carlson, Bonneville Power Administration  
Duane Unland, Nakaty Enterprises  
Edward Lisowski  
Elaine Packard, Water/Salmon Committee, Cascade Chapter, Sierra Club  
Jack and Beneitta Eaton  
James Rivard, Ecology  
James Simino, U.S. Forest Service  
Jane Creech, DOE  
Jason McShane, Kennewick Irrigation District  
Jeff Tayer, WDFW  
Jerome Delvin, Benton County

Jerry Watts  
Jim Milton, Yakima-Tieton Irrigation District  
Jim Willard, Willard Farms  
Joel Hubble, Bureau of Reclamation  
Joye Redfield-Wilder, Ecology  
Justin Harter, NSID  
Karen Dera, Bureau of Reclamation  
Keith McGowan, Bureau of Reclamation  
Kelly Lawrence, U.S. Forest Service  
Kevin Eslinger, Kittitas Reclamation District  
Lane Young, Ecology  
Michael Tobin, North Yakima Conservation District  
Miles McPhee  
Nicole Pasi, American Rivers  
Patrick McGuire, Kennewick Irrigation District  
Patty Garvey-Darda, U.S. Forest Service - Cle Elum Ranger District  
Richard Visser, US Fish & Wildlife Service  
Ryan DeKnicker, Yakama Nation Fishery  
Sage Park, Ecology  
Sarah Pistorese, HDR Engineering, Inc.  
Saundra McPhee  
Scott Nicolai, Yakima-Klickitat Fisheries Project  
Shannon Adams, Yakama Nation Fishery  
Steve Malloch, Western Water Futures LLC (alt. for American Rivers)  
Stuart Crane, Yakama Nation  
Susan Adams, Washington Water Trust  
Susan Crawford, Bureau of Reclamation  
Teresa Merriman, Bureau of Reclamation  
Tina Blewett, Ducks Unlimited  
Tom Ring, Yakama Nation  
Tom Tebb, Ecology  
Tony Coluccio, Frank Coluccio Construction  
Warren Dickman, YBSA  
Wendy Christensen, Bureau of Reclamation

### **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 list 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 one of these notes, or contact Ben Floyd at Anchor QEA, Kennewick office, (509) 491-3151, or [bfloyd@anchorqea.com](mailto:bfloyd@anchorqea.com).