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## **Meeting Notes**

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

**September 22, 2016**

**Benton PUD Auditorium, Prosser, WA**

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

Andrew Graham, HDR, welcomed the Yakima River Basin Water Enhancement Project (YRBWEP) Workgroup members and other attendees, led introductions, and provided an overview of the agenda. These notes summarize the presentations and the Workgroup and public comments. 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>

Wendy Christensen, Reclamation, welcomed Travis Ball, hydraulic engineer from the U.S. Army Corps of Engineers' (Corps) Seattle District. This was Travis' first YRBWEP Workgroup meeting. The Corps is a new member of the Workgroup.

Stuart Wooley, U.S. Forest Service, reminded the group he is retiring this month, and introduced Amanda Velasquez, who will work on the Integrated Plan activities related to Forest Service responsibilities and the resources it administers.

Tom Tebb, Washington Department of Ecology, introduced Danielle Squeoachs, Environmental Engineer, who serves as the Technical Projects Manager for the Integrated Plan for Ecology.

#### **Implementation Committee Update**

Tom Tebb reported on the recent trip to Washington, DC. The Implementation Committee members met with congressional staff, Department of the Interior staff, senior staff with the Natural Resources Committee, Environmental Protection Agency, and others. This included discussion of the Integrated Plan's proposed federal legislation as part of energy bill, which currently is in a conference committee. There are interesting issues at play involving other areas, including California. It's possible there may be activity in the next few weeks, or it may not happen until after the November election. Overall it was a good visit. Tom opened up the discussion to others that also attended.

Peter Dykstra, Watershed Land Conservation Subcommittee Chair, stated that Congressmen Reichert and Newhouse are working hard to advance the bill in the conference committee.

Paul Jewell, Kittitas County, reported there was very good support on the work we have been doing.

Urban Eberhart, Kittitas Reclamation District (KRD), said that the Implementation Committee received good support and is looking forward to the election being over so the process can advance.

Sid Morrison, Yakima Basin Storage Alliance, noted that California and its delegation in Congress have tremendous political power - any reaction to that? *There was general discussion about California interests. Tom Tebb said we want to proceed carefully, California has severe water issues; not a one-size-fits-all approach. Implementation Committee members will continue monitoring the legislative strategy and responding as needed over the next several months.*

**Public Input**

- Regarding the section in the proposed legislation related to the creation of water markets, does it apply to lands in the Wapato Irrigation Project? *Tom Tebb said he would have to review that section and report back to the group.*

**State and Federal Funding and Related Organizational Changes**

Tom Tebb reported on the Ecology, Office of Columbia River (OCR) 2017- 2019 state budget proposal. It is comparable with the budget approved in the prior biennium. The following table summarizes the Ecology OCR budget proposal.

<b>Yakima Basin Integrated Plan Elements</b>	<b>Projects</b>	<b>Funding Request 2017 -2019 (million \$)</b>
Habitat	Tributary/Mainstem Habitat Restoration Projects	5.4
	Bull Trout Enhancement – Phase 1	0
	Federal, Tribal and/or Local Habitat Actions	0
Fish Passage	Cle Elum Dam Passage	9
	Tieton Dam Passage	0
	Clear Lake Dam Passage	1.5
Structural & Operational Modifications	Cle Elum Pool Raise	3
	KKC	0
Surface Water Storage	KDRPP (cost assumes floating plant alternative)	2.4
	Wymer or Bumping Reservoir	3
Groundwater Storage	Regional Storage Options	1.1
Water Conservation	Agricultural Conservation Projects	5
	Municipal/Domestic Conservation Programs	0.1
Market Driven Water Reallocation	General Support for markets and banking	0.6
<b>Total (million \$)</b>		<b>31.1</b>

Overall, the State capital budget proposal for the Integrated Plan efforts consisted of the Ecology OCR request (\$31.1 million) and the Washington State Department of Natural Resources request (\$1.5 million) for a total funding request of \$32.6 million.

The agency budget proposal is due to the State Office of Financial Management in September. The Governor's Office will work on it and then release their proposed budget in December for action during the upcoming legislative session.

Tom reported on the June 29, 2016, legislative tour. This included a full day of site visits to Cle Elum Reservoir, Teanaway Community Forest, lunch at the Bureau of Land Management's Roza Recreation Site, Roza Dam Whooshh™ fish passage technology trial, Gap-to-Gap floodplain restoration area, and on-farm improvements in Moxee.

Wendy reported on Federal budgeting for proposed spending in upcoming fiscal year 2017. The Federal component, including several agencies, totals approximately \$40 million in proposed spending for the Yakima Rive basin.

Wendy also reported on the YRBWEP – Phase II & III (Integrated Plan) Group Reorganization. Since the Integrated Plan is conceived as Phase III of the YRBWEP program, both Reclamation and Ecology are consolidating their organizational structure to administer YRBWEP and the Integrated Plan as a whole. The reorganization will be effective October 1. Wendy explained the new staff structure and their responsibilities. Wendy will be the manager of the YRBWEP Group.

Urban Eberhart expressed appreciation for this re-organization – it makes a lot of sense to bring these programs together.

Scott Revell, Roza Irrigation District, Tom Tebb, and Dale Bambrick, National Marine Fisheries Service, also expressed appreciation.

#### Public Input

- Is there a handout explaining the \$40 million that Wendy summarized? *Wendy said that she would post the the information online with the meeting materials.*
- What about water quality expenditures? *Tom Tebb explained that they are separate, and mainly in the Total Maximum Daily Load effort as part of Ecology's Water Quality Program. Reclamation also funds water quality testing with additional appropriations, not listed above.*
- In reference to the "Other Federal, State, Tribal and Local Funding Contributions" table handout: Why is Sunnyside Valley Irrigation District listed twice? Why is Kennewick Irrigation District's expenditure exactly the same every year? *Wendy will review and determine if any corrections are needed. Wendy will post the handout online with the meeting materials. Wendy noted that the information on district-by-district expenditures was estimated by the districts.*

#### **Ecology, Office of Columbia River, Water Supply and Demand Forecast**

Tom Tebb introduced Melissa Downes, Ecology, who reported on the water supply and demand forecast for the Columbia Basin. The Legislature requires an update every 5 years. Ecology partnered with Washington State University (WSU), as they did on the prior 2011 report. The 2016 forecast goes to 2035. It includes: improved hydrology, cropping models, consumptive loss simulation, improved Washington State Department of Agriculture cropping data, improved climate change projections,

improvements in ability to capture water rights curtailment and Yakima River basin prorationing, including declining groundwater evaluation. Melissa summarized the framework for the modeling, economic modeling (forecasting future crop mix), changes in water supply and demand, and regulated supply and demand. She explained the addition of groundwater integration in the 2016 forecast, the results of the pilot application in Yakima showing consumptive water use for apples in Roza using METRIC, water banking and recommendations, and preliminary survey data for paying for water.

Tom Tebb said the process depends on the quality of available information. The State is working to improve available crop data.

Scott Revell clarified that information on expansion of cropped acreage applies mainly to other parts of the Columbia River Basin, not the Yakima River basin. However, there is potential expansion of cropped acreage on the Wapato Irrigation Project which is in the Yakima River basin.

Scott Revell asked if there was any consideration for water stored in Canada for use in Washington; and whether storage in Oregon is included. *Melissa said she didn't know if there was storage in Willamette. She noted that Oregon has a state water forecast, but she did not have that information. Tom said that implications involving storage in Canada will be included with work on the Columbia River Treaty.*

Steve Malloch, American Rivers, asked if the document is still open for comment. *Melissa said the draft was posted in June, and welcomed everyone to submit comments and questions on the website. It will be delivered to the Legislature in November.*

#### Public Input:

- Will new information from the unpublished update to the Washington Irrigation Guide (WIG) be used in the forecast? *Melissa reported that we assume WSU staff will use their judgment in this regard, however, the WIG update remains unpublished by the Natural Resource Conservation Service (NRCS). Tom said the satellite imagery (METRIC pilot) may be a good substitute down the road instead.*
- Is irrigated pasture included in the forecast? *Melissa said that pasture is included; new varieties of crops will be factored into future estimates, based on water needs, but new and varied crops come up that were not expected and will keep these estimates shifting.*

#### **2016 Technical Work Update**

##### *Cle Elum Dam Fish Passage*

Walter Larrick, Reclamation, gave a brief presentation on progress of the Cle Elum Dam Fish Passage facility. The road is being constructed this year, and the deep vault (secant pile) that will house the helical structure will start construction in spring 2017.

##### *Cle Elum Pool Raise*

Walter reported the Cle Elum Pool Raise will include modifications of five radial gates, provide shoreline protection, and land acquisition. The final Environmental Impact Statement was released to the public in May 2015 and the Record of Decision was signed in June 2015. The radial gate modification

contract was awarded in September 2015 – construction is almost complete. The shoreline protection contracts are currently being prepared and Reclamation is working with the U.S. Forest Service and landowners. Reclamation anticipates awarding the shoreline contract for the Forest Service facilities in 2017.

*Kachess Drought Relief Pumping Plant and Keechelus to Kachess Conveyance*

Teresa Merriman, Reclamation, provided an update on the Kachess Drought Relief Pumping Plant (KDRPP) and Keechelus to Kachess Conveyance (KKC). Reclamation, Ecology, and HDR, in collaboration with Roza Irrigation District, are working on the floating pumping plant alternative for the KDRPP. In addition, they are working on the Supplemental Draft EIS that will include the floating pumping plant alternative and incorporate information developed recently on the following topics:

- Recreational Access
- Hydrologic Modeling
- Limnology Data Collection/Report
- Groundwater Monitoring
- Power Supply Study – PSE and BPA
- Property values
- Kachess Reservoir Bull Trout Passage Appraisal Report
- Wildfire and fire safety
- Climate Change

Teresa provided a milestone/process outline of goals and dates.

*Whooshh™ Fish Passage*

Dave Fast, Yakama Nation Yakima/Klickitat Fisheries Project, provided an update and showed a video on the Whooshh™ fish passage technology that was tested for Spring Chinook this summer at the Roza Dam as a stand-in for possible application at Cle Elum Dam. Data is currently being analyzed. A similar test is planned this fall at the Yakama Nation Fisheries Facility at Prosser Dam for fall Chinook and Coho Salmon.

*Bateman Island Causeway Project & Yakima River Basin Integrated Plan*

Jeff Tayer, Washington Department of Fish and Wildlife (WDFW), introduced the Bateman Island Causeway Project. Dave Fast provided an update on the historic salmon runs. Salmon and other natural resources are important to the Yakama Nation. Summer Chinook, Coho and Sockeye were extirpated from the basin, but starting in 1997, each variety has been reintroduced. A large share of the benefits of the Integrated Plan will be due to increased sockeye production. Bateman Island at the mouth of the Yakima River has a significant thermal barrier. This was especially evident during the 2015 drought. Improvement at Bateman Island could make a big difference for sockeye returns.

Rebecca Wassell, Mid-Columbia Fisheries Enhancement Group, spoke about the proposed improvements at Bateman Island and introduced Mike Ritter with WDFW.

Mike gave a presentation on the Bateman Island Causeway Project. The Bateman Island causeway was constructed in 1940 to provide access to farm fields on the island. He showed results of the modeling study, highlighting existing high temperatures and the benefits of breaching the causeway to reduce temperatures by enabling water flow on the south side of Bateman Island. Temperatures of 77-86 degrees present a thermal barrier to late migrating salmon; the backwater area is ideal habitat for non-native predatory fish; and the causeway is a complete barrier to fish passage and river flow. Breaches of 260 feet and greater produced the most benefit of decreasing water temperatures west and south of Bateman Island. Goals include removal of a significant fish passage barrier, improve river conditions for migratory salmonids, maintain public access, provide new opportunities, improve current water flow, debris and sediment. The next steps include sharing results from the technical work group, developing a shared vision and developing partnerships. The Washington State Department of Fish and Wildlife would be the lead agency with partner agencies to be identified/developed.

#### *Clear Creek Dam Fish Passage*

Jeff Thomas, U.S. Fish and Wildlife, gave a presentation on the multiyear study of bull trout above and below Clear Creek Dam. This includes trap data, hook and line data, monitoring of PIT tags. Key findings from the assessment: 27 of the 29 fish tagged at the trap were detected in subsequent years of the study; 20 of these fish migrated back to Clear Lake after spawning where they overwintered; just 4 fish were confirmed to have migrated downstream of Clear Lake after spawning; the maximum likelihood estimate for the size of the spawning population was 59 individuals with a 95 percent confidence interval of 37-165. Large numbers of North Fork Tieton River bull trout congregate directly below Clear Creek Dam in July and August; the size of this population was estimated at 71 individuals with a 95 percent confidence interval of 41-95. These fish, without exception, appear to be unable or unwilling to ascend the spillway channel; 7 bull trout were unsuccessful in 24 attempts over the course of 20 different days. He said the North Fork Tieton Bull Trout population exists in two segments that are roughly equivalent in size. One segment spawns in the river above Clear Lake and predominantly uses the lake for foraging and overwintering habitat. The other segment resides in Rimrock Lake and congregates below Clear Creek Dam in the summer, unable to migrate up the spillway channel. Both high water temperatures and extreme hydraulic conditions preclude upstream passage. Beginning next year, they will acquire genetic samples from the progeny of North Fork Tieton spawners and conduct a genetic parentage analysis to determine the reproductive contribution of transported bull trout to the North Fork Tieton bull trout population. Efforts to augment this population will continue until effective fish ladders are provided at Clear Creek Dam. He thanked everyone who helped work the trap: Eric Anderson and John Easterbrooks with WDFW's Region 3 Screen Shop, and Mo Small and Sarah Bell with the WDFW Molecular Genetics Lab.

Jeff Tayer commented that this was a great presentation and project – one of the best things we can do to ensure bull trout survival in the basin.

In response to the question if there is any evidence that the fish stuck in the lake are trying to spawn, Jeff said they found two redds, but it's doubtful they remained viable.

### *Stream Supplementation in Kittitas County*

Urban Eberhart gave an update on the 2016 KRD stream supplementation activity. This is the second year of KRD using its irrigation canal system to improve stream flow for fisheries habitat benefits in local creeks within the KDR service area. In 2016 KRD supplemented flows in Tucker, Big, Little, Spex Arth, Tillman, Taneum, Manastash, and Whiskey creeks.

An excellent example of collaboration in the Integrated Plan framework is KRD's Tributary Supplementation Program. The significance of this program is an irrigation district initiating a project which uses Reclamation/KRD infrastructure to help endangered fish which historically has never been done. KRD has continued this program in 2016, because snow melted earlier in the season than normal, to make sure tributaries maintained adequate flow for fisheries.

### Public Input

None.

### **Yakima-Tieton Irrigation District – Alternate Diversion Point Proposal**

Rick Dieker, Yakima-Tieton Irrigation District (YTID), provided an overview of the district, ongoing engineering studies (Tieton Canal replacement and North Fork Cowiche Creek Reservoir), and the proposed change in the district's point of diversion for its surface water supply to the Wapatox site on the Naches River.

The district's existing canal that conveys water from the Tieton River near Rimrock Reservoir is 106 years old, operating well beyond its useful life expectancy. Replacing the canal is a 10-year, \$200 million project. Environmental mitigation and land acquisition costs are significant and not included in the cost estimate. Reclamation performed a Value-Engineering study in 2015 that validated the concepts and identified cost saving measures. YTID is exploring new alternatives that potentially could avoid this project and expand benefits to other Yakima Basin stakeholders and water users. New concepts would create shared benefits consistent with goals and objectives of the Integrated Plan.

The North Fork Cowiche Creek reservoir has been under study since 2015. This study is in progress and will be completed this fall.

YTID is also interested in studying a possible change in its point of diversion, which could complement the North Fork Cowiche Creek reservoir project. YTID would move its river diversion 15 miles downstream to existing Wapatox Diversion Dam. New fish screens, a pump station, and pipeline would convey water to the reservoir. Since water would now be diverted from the Naches River and pumped to the reservoir, it would not be necessary to renovate or replace Tieton Canal. Since the YTID diversion would move 15 miles downstream, up to 250 cfs that is currently diverted would remain in that reach of the Tieton River to benefit bull trout and steelhead. The existing YTID diversion and fish ladder could be removed. It would create operational flexibility, since neither the Tieton River nor the Naches River flow could be captured by the new reservoir. New water is potentially available to all Yakima River basin interests if the reservoir is operated in conjunction with other Reclamation reservoirs. The facility can be operated year-round, and would complement the proposed Bumping Reservoir improvements.

The new Wapatox facilities are expected to cost less than Tieton Canal replacement. Unregulated flow in Naches River could be pumped during high flow events. Hydro turbines potentially could recapture a portion of the pumping costs as water is released back to the Naches River. The project could facilitate water marketing in the basin. Drawbacks to the project include high pumping costs (operational) and higher maintenance and repair costs compared to a gravity canal.

YTID is proposing to expand the existing North Fork Cowiche Creek Reservoir Study to include this change in point of diversion and the improvements needed at the Wapatox site. Additional study costs would be split 50/50 between YTID and OCR's Integrated Plan funds. The feasibility study will be completed early in 2017. The estimated non-YTID share cost is \$62,500. Rick noted that he presented this same information to the Water Use Subcommittee in June 2016. That committee expressed interest in the project and recognized that benefits for purposes of the Integrated Plan could be significant.

Public Input:

None.

**Public Comment**

Naydene Maykut: She strongly opposes to the Bumping Lake enlargement. It will damage old growth forest, and previous studies showed it would not refill. The Washington Water Research Center found that it was not economical. It is possible to install fish passage at the existing dam that would offer significant benefits without the environmental damage of the enlarged reservoir. (*Ms. Maykut also provided a letter with her input, requesting it be posted with other meeting materials.*)

**Executive Committee, Subcommittees and Subgroups Updates**

*Executive Subcommittee*

Tom Tebb provided an update on the Executive Committee. Ecology is working on the final stages of issuing project funds from the 2015-2017 State budget.

*Outreach Subcommittee*

Steve Malloch summarized outreach in the Tri-Cities area on the proposed Bateman Island project, an upcoming tour with congressional representatives; new signage at the Cooper River bridge; several media pieces in the works; interest from various publications; and work on new video about the Integrated Plan. There was general discussion on the avenues being worked on to 'spread the word'.

*Economics Subcommittee*

Bob Hall, Yakima Basin Storage Alliance member and local automobile dealer, spoke in place of Chair Mike Leita. The full committee has met twice, and some members have had additional meetings and calls. The committee includes bankers, county commissioners, agriculture, dairy, Farm Bureau, Yakama Nation, environmental, and others. The committee has selected a consulting firm, ECONorthwest, to help them develop information on economic effects of the Integrated Plan. The Subcommittee felt that ECONorthwest was the most qualified because of their familiarity with the Integrated Plan and basin economics from their prior work and also understood how to describe economic effects for the targeted

audiences of the report being prepared under the guidance of the subcommittee. The Committee was particularly impressed by this firm's grasp that implementation of the Integrated Plan as a whole offers significant benefits that can't be achieved by implementing pieces of the plan separately. They plan to develop a work product by the end of 2016.

Tom Tebb thanked the committee members for all their work, and their commitment to making rapid progress.

Public Input:

None.

**Workgroup Roundtable Discussion**

- Jaclyn Hancock, Washington State Department of Agriculture: Jaclyn noted the importance and need of collecting impact data related to water supply and climate change; it is important to collect this information every year, not just in water-short years.
- Dawn Wiedmeier, Reclamation: There continues to be lots of great work going on.
- Lisa Pelly, Trout Unlimited: The Yakama Nation has submitted a proposal on behalf of the Integrated Plan for funding. They are working on a draft letter in relation to a Natural Resource Conservation Service Grant, Regional Conservation Partnership Program, to be signed by the Washington delegation supporting our proposal that Peter Dykstra will distribute to the delegation.
- Dave Brown, City of Yakima: The Municipal Subgroup is developing a mission statement that will provide a solid basis for its work going forward.
- Alex Conley, Yakima Basin Fish and Wildlife Recovery Board: It's great to see good projects evolve and come together.
- Jeff Thomas, U.S. Fish and Wildlife Service: He is very proud to be a part of this group, and the work we are accomplishing for the basin.
- Rick Roeder, Washington State Department of Natural Resources: Lots of work to do to the budget for the Teanaway Community Forest. We are working on applying Coordinated Resource Management (CRM) to improve grazing practices in the forest.
- Phil Rigdon, Yakama Nation: Bateman Island project is very important to the Yakama Nation. It's a good time of year to go up to Cooper River bridge and check out the returning sockeye population.
- Seth Defoe, Kennewick Irrigation District: Excited about these projects in the Columbia Basin, Bateman Island, excited to be a part of this group. He appreciates the work Mike Ritter is doing.
- Steve Malloch, American Rivers: Glad to see the lower Columbia Basin, particularly the Tri-Cities, getting more work through this committee.
- Travis Ball, Corps: Glad to be at the table. Look forward to learning more about the Integrated Plan.
- Sid Morrison, Yakima Basin Storage Alliance: Storage has been down the list, but we'll get to it.

- Dave Fast, Yakima/Klickitat Fisheries Project: Follow up on Phil’s comment, pleased with the good sockeye numbers this year.
- Paul Jewell, Kittitas County: He’s going to be at the fair on Saturday representing the Workgroup. Regarding the Kachess project and understanding the homeowners’ comments, he appreciates Reclamation’s efforts. Boat ramp at the narrows and building of new boat ramp – recreation is a big part of our community.

## **Attendance**

### **Workgroup Members in Attendance**

Travis Ball, U.S. Army Corps of Engineers  
 Dale Bambrick, National Marine Fisheries Service  
 Dave Brown, Municipal Water Use Subgroup Chair, City of Yakima  
 Alex Conley, Yakima Basin Fish & Wildlife Recovery Board  
 Ron Cowin, Sunnyside Valley Irrigation District  
 Seth Defoe, Kennewick Irrigation District  
 Rick Dieker, Yakima-Tieton Irrigation District  
 Peter Dykstra, Watershed Land Conservation Subcommittee Chair, Plauché & Carr, LLP  
 Urban Eberhart, Kittitas Reclamation District  
 David Fast, Yakama Nation - Yakima/Klickitat Fisheries Project  
 Jaclyn Hancock, Washington State Department of Agriculture  
 Paul Jewell, Kittitas County  
 Mike Livingston, Washington Department of Fish and Wildlife  
 Steve Malloch, American Rivers  
 Jason McShane, Lower River Subgroup Chair, Kennewick Irrigation District  
 Sid Morrison, Yakima Basin Storage Alliance  
 Lisa Pelly, Washington Water Project, Trout Unlimited  
 Scott Revell, Water Use Subcommittee Chair, Roza Irrigation District  
 Phil Rigdon, Yakama Nation  
 Rick Roeder, Washington State Department of Natural Resources  
 Jeff Tayer, Habitat Subcommittee Chair, Washington State Department of Fish and Wildlife  
 Tom Tebb, Washington State Department of Ecology - Office of Columbia River  
 Jeff Thomas, United States Fish and Wildlife Service – Mid-Columbia River Fishery Office  
 Ron VanGundy, Roza Irrigation District  
 Dawn Wiedmeier, Bureau of Reclamation - Columbia-Cascades Area Office  
 Stuart Woolley, U.S. Forest Service, Okanogan-Wenatchee NF

### **Other Attendees**

Marcella Appel, Benton Conservation District  
 Justin Bezold, Trout Unlimited  
 Tina Blewett, Ducks Unlimited  
 Michelle Capp, U.S. Forest Service  
 Debbie Carlson, Bonneville Power Administration  
 David Child, Yakima Basin Joint Board

Wendy Christensen, Bureau of Reclamation – Columbia-Cascades Area Office  
Christi Davis-Kernan, Bureau of Reclamation – Columbia-Cascades Area Office  
Joanne Demorest, Bureau of Reclamation – Columbia-Cascades Area Office  
Karen Dera, Bureau of Reclamation – Columbia-Cascades Area Office  
Melissa Downes, Washington State Department of Ecology  
John Easterbrooks, Washington Department of Fish and Wildlife  
Adam Fyall, Benton County  
Raelene Gold, Seattle Audubon, LWVWA  
Andrew Graham, HDR Engineering, Inc.  
Bob Hall, YBSA/Yakima Auto Dealers  
Justin Harter, Naches-Selah Irrigation District  
Tim Hill, Washington State Department of Ecology  
Dennis Hostetter, Bureau of Reclamation – Public Affairs Office  
Todd Hunziker, CH2M Hill  
Chuck Klarich, Yakima Basin Storage Alliance  
Walt Larrick, Bureau of Reclamation – Columbia-Cascades Area Office  
H. Lawrence, Bureau of Reclamation – Columbia-Cascades Area Office  
Kelly Lawrence, United State Forestry Service – Okanogan-Wenatchee Office  
Rachel Little, Benton Conservation District  
Chris Lynch, Bureau of Reclamation – Columbia-Cascades Area Office  
Larry Martin, Velikanje Halvorson  
Naydene Maykut, Friends of Bumping Lake  
Keith McGowan, Bureau of Reclamation – Columbia-Cascades Area Office  
Patrick McGuire, Kennewick Irrigation District  
Miles McPhee, McPhee Research Company  
Saundra McPhee, McPhee Research Company  
Jean Mendoza, Friends of Toppenish Creek  
Teresa Merriman, Bureau of Reclamation  
David Ortman, Sierra Club  
Elaine Packard, Sierra Club  
Sage Park, Washington State Department of Ecology  
Nicole Pasi, American Rivers/Yakima Basin Integrated Plan  
Dan Peplow, University of Washington – White Swan Ranch  
Katie Prengaman, Yakima Herald-Republic  
T. Redfield, ECY  
Mike Ritter, Washington State Department of Fish and Wildlife Service  
Mike Shuttleworth, Benton County  
Danielle Squeochs, Washington State Department of Ecology  
Gary Torretta, United States Forestry Service - Naches  
Robert Tyler, Washington State Department of Ecology  
Amanda Velasquez, Okanogan-Wenatchee National Forest, Cle Elum Ranger District  
Richard Visser, United States Department of Fish and Wildlife Service  
Rebecca Wassell, Mid-Columbia Fisheries Enhancement Group  
Laine Young, Washington State Department of Ecology

### **Where to Find Workgroup Information**

Meeting materials, notes, presentations, and materials submitted during public comment for the Workgroup meetings will be posted on Reclamation's 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 1 of these notes or Ben Floyd at Anchor QEA, Kennewick office, (509) 491-3151, or [bfloyd@anchorgea.com](mailto:bfloyd@anchorgea.com).