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Meeting Notes

Yakima River Basin Water Enhancement Project (YRBWEP) Workgroup

March 11, 2015

Yakima Arboretum, Yakima WA

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. These notes summarize highlights from the presentations, Workgroup comments 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, provided an update on the Western Watershed Enhancement Partnership (WWEP). Reclamation and the U.S. Forest Service have signed the WWEP agreement and will begin working on a 5-year plan for watershed enhancement in central Washington State.

Wendy and members of the Workgroup acknowledged the recent passing of Clint Kyhl of the Forest Service and former Workgroup member, and Paul LaRiviere of the Washington State Department of Fish & Wildlife (WDFW), and shared recollections of their contributions to the Yakima River basin community. They will be missed.

Implementation Committee Update

Dan Silver introduced the Implementation Committee, which recently traveled to Washington DC. The Committee met with the DC Leadership Group (comprised of Federal agencies—BLM, BIA, BPA, NRCS, NMFS, USFWS, USFS, and Reclamation), Council on Environmental Quality, and the Office of Management and Budget. Scott Revell, Roza Irrigation District, noted that there was good discussion with the DC Leadership Group and that the meeting was well attended by all agencies. Michael Garrity, American Rivers, stated that the Implementation Committee had a combined meeting with the Council on Environmental Quality and the Office of Management and Budget; discussion during the meeting focused on Federal legislation concepts. Urban Eberhart, Kittitas Reclamation District (KRD), summarized feedback received from the officials they met with, some of whom expressed that they see the Integrated Plan as an example for other western states experiencing drought conditions. Phil Rigdon, Yakama Nation, also thought the DC Leadership Group meeting was well attended, including representatives from the Federal Bureau of Indian Affairs (BIA). He also sees the Integrated Plan leading the way as an example for other western states. Derek Sandison, Washington State Department



of Ecology (Ecology), provided an update on the Federal authorization bill being sought for the Keechelus-to-Kachess Conveyance (KKC), Kachess Drought Relief Pumping Plant (KDRPP), Cle Elum Pool Raise (CEPR), fish passage, and water conservation initiatives of the Integrated Plan. This authorization bill would amend the 1979 and 1994 YRBWEP legislation. The current vision is that the Integrated Plan would be implemented in three development phases: the initial, intermediate, and final development phases. This authorization bill focuses on the initial development phase. The bill has been structured to be compatible with the 2013 Washington State authorization legislation for the plan. Derek also provided a status on Federal funding for implementation. Total Federal funding for the Integrated Plan in fiscal year 2015 is approximately \$25 million, excluding Bonneville Power Administration (BPA) contributions, and \$45 million, including BPA contributions.

Workgroup Discussion:

- Sid Morrison, Yakima Basin Storage Alliance: Over time it may become more difficult to secure funding for the large water storage projects identified in the plan. Has there been any discussion about finding funding for storage projects during the intermediate and final implementation phases? *The Implementation Committee is continually working to identify future funding sources. On the Federal and State level, there is interest in advancing water infrastructure projects in western states. Washington State Senator Honeyford is leading a statewide water infrastructure initiative that, if passed, could be a source of funding for future projects. Additionally, the United States House of Representatives Natural Resource Committee is considering a financing program for Reclamation projects. This would be structured similar to the Water Resources Development Act (WRDA) program and potentially employ user pay funding mechanisms.*

Wendy noted that there may be competition among western states for Federal funding of large projects. In order to be competitive when funding becomes available, it is important that Integrated Plan projects are “shovel ready.”

Executive Committee and Subcommittee Updates

Habitat Subcommittee

Jeff Tayer, WDFW, provided an update on the Habitat Subcommittee’s recent efforts. The subcommittee is monitoring the progress of several floodplain restoration projects in Yakima and Kittitas Counties. One such project is the Gold Creek Bridge project which is focused on identifying feasible solutions to improve Gold Creek connectivity for bull trout migration. The subcommittee is also working on bull trout enhancement in the upper Yakima River basin where bull trout populations have been dwindling. The Integrated Plan can provide resources to help reverse that trend.

Watershed Land Conservation Subcommittee

Jeff also provided an update on the Watershed Land Conservation Subcommittee, on behalf of Peter Dykstra, the subcommittee chair. The subcommittee is meeting on March 24 to review and provide feedback on the Teanaway Community Forest (TCF) Management Plan being developed by DNR and

WDFW. The subcommittee will review the TCF Plan for consistency with the goals of the Integrated Plan.

Outreach Subcommittee

Michael Garrity discussed ongoing outreach efforts. The subcommittee aims to complete an Integrated Plan video within the next several months. Obie O'Brien, Kittitas County, noted that the Kittitas County Board of Commissioners is hosting a meeting on April 4 to discuss the proposed KDRPP with property owners in the Kachess Reservoir area.

Water Use Subcommittee and Municipal Water Use Subgroup

Scott Revell and Dave Brown, City of Yakima, provided an update on the Municipal Water Use Subgroup. The subgroup met last week. Scott and Dave are working to get additional participation on the subgroup from the cities in the lower Yakima River basin. After engaging these communities, the subgroup will begin developing a strategy for municipal water use. Michael Garrity stated that he was impressed with the level of engagement from municipal representatives.

Seth Defoe, Kennewick Irrigation District (KID), noted that KID has been working with Reclamation to evaluate how Integrated Plan projects and conservation efforts will impact return flows in the lower Yakima River basin.

Executive Subcommittee

Wendy provided an update on the Executive Subcommittee. At the end of January, the subcommittee met in Portland with regional executives of BPA, National Marine Fisheries Service (NMFS), U.S. Fish and Wildlife Service (USFWS), BLM, and Forest Service; and held conference calls with BIA and Natural Resource Conservation Service (NRCS). The purpose of these meetings was to brief regional agency managers on the progress of the Integrated Plan and the upcoming DC Leadership Group meeting with the Implementation Committee in Washington, DC. Phil noted that the Yakama Nation received \$4.5 million in funds for on-reservation habitat improvement and conservation projects through the NRCS Regional Conservation Partnership Program.

Water Supply Forecast Update

Chris Lynch, Reclamation, presented the Yakima Field Office's water supply forecast for 2015. Chris compared water metrics for conditions in the Yakima basin from October 2014, through February 2015, to the historical average, high, and low values. Temperature levels are a bit above average overall, but with some cold spells too. Precipitation is at 94 percent of average and snow water equivalent is at 22 percent of average. Streamflow contributions to the reservoirs are at 174 percent of average and outflows from the reservoirs are at 125 percent of average. The Yakima System storage volume on March 1 was 172 percent of average, the reservoirs are 95 percent full, and the April-September total water supply available (TWSA) is projected to be 78 percent of average. Prorating is currently projected to be 73 percent of the proratable entitlements in 2015. Based on this forecast, Yakima Reservoir System storage would have 110,000 acre-feet of carryover storage on September 30, 2015.

This compares with 382,000 acre-feet on Sep 30, 2014. The minimum flow target at the Yakima River near Parker is projected to be 300 cfs.

Workgroup Discussion:

- Sid Morrison: It is hypothesized that climate change could result in the same amount of precipitation but in different patterns. Is this what we are experiencing in the Yakima River basin? *Chris: This year we are experiencing weather patterns similar to those that are projected in some climate change scenarios. However, we don't really know whether this is due to climate change.*
- Seth Defoe: Would the values in the row labeled, "Storable portion of added flow, cfs" vary like the values in the row labeled, "Flow added to Title 12, cfs"? *The values would vary, but the column labeled "100%" would dictate the actual flow, which would be 78 cfs. So, instead of 78, the column labeled 80% should be 74 and the column labeled 150% should be 84.*
- Ben Floyd: What would be the conditions if we had a similar year next year? *The conditions would be worse than this year since there would be less in storage at the start of the year.*

Technical Work Update

Wendy provided an update on the Kachess Drought Relief Pumping Plant (KDRPP) and Keechelus-to-Kachess Conveyance (KKC) Environmental Impact Statement (EIS). The KDRPP and KKC Draft EIS was issued in January 2015. The public comment period for the Draft EIS closed on March 10, 2015. Wendy expressed appreciation to the Kachess area homeowners and other landowners for their attendance at the Workgroup meeting. It is important to Reclamation that they work with homeowners and other members of the public throughout this process. Comments received on the EIS in the initial 60-day comment period suggested that there are some misunderstandings about the KDRPP and KKC. Therefore, the EIS public comment period will be reopened for another 60 days. This will include holding additional public meetings and outreach to better educate the public about these projects, and to receive additional input.

Walt Larrick, Reclamation, provided an update on the initial development phase projects listed below.

Keechelus-to-Kachess Conveyance

For the KKC feasibility study, Reclamation and Ecology are evaluating two alternatives: the North Tunnel Alignment and the South Tunnel Alignment. Currently, water is released from Keechelus Reservoir and travels down the Yakima River. High flows affect fish habitat in the Yakima River from Keechelus Dam to Lake Easton. With the KKC, Reclamation would periodically divert water according to operating rules from the Keechelus Reservoir just below the outlet works and convey it through a tunnel to Kachess Reservoir. This project would allow for more natural flows in 10.5 miles of the upper Yakima River for steelhead and Chinook salmon. Keechelus Reservoir would continue to be operated within its normal operational range. This project would not drain Keechelus Reservoir. The KKC would provide greater operational flexibility and, if Reclamation constructed the KDRPP, would contribute to refilling the Kachess Reservoir after periods of drawdown. Reclamation is currently doing

a cost-risk analysis of the project alternatives. Fish passage at the Keechelus Reservoir Dam is not included in this project; however, it has been considered in the design. Mitigation considerations for the KKC would include a surface water quality monitoring program, site-specific geotechnical studies to identify any subsurface issues, and on-the-ground wetland surveys to avoid wetland impacts. During the reopened public comment period, there will be additional opportunities for the public and other stakeholders to provide input. Geologic investigations along the KKC North Tunnel alignment are continuing with further drilling planned in 2015.

Kachess Drought Relief Pumping Plant

The KDRPP would provide up to an additional 200,000 acre-feet in drought years for proratable irrigation use. Reclamation would only operate the KDRPP during drought years. Historically, droughts have occurred once every 5 to 10 years, with the possibility of multiyear droughts. The KDRPP would draw the Kachess Reservoir down up to 80 feet below the existing minimum pool elevation. This drawdown corresponds to approximately 15 percent less water surface area in the lower Kachess Reservoir. Due to the topography of the reservoir, the upper Kachess Reservoir would not be drawn down further than the current minimum pool elevation. Walt presented a comparison of the Kachess Reservoir pool elevation with and without the KDRPP. Except for during severe droughts, the KDRPP would not draw down the reservoir the entire 80 feet. For example, the modeling for KDRPP shows up to 40 feet of drawdown for a single drought (2001-2004). With the KKC, the duration of the drawdown would be reduced. Jeff Thomas, USFWS, added that with the KKC in place, there will be times when water levels in the Kachess Reservoir are higher than they have been under historical conditions. With the addition of the Wymer Dam and Reservoir (WDR), Bumping Reservoir Enlargement (BRE), other major water projects, and conservation, the need to operate the KDRPP and the associated drawdowns would be reduced.

For the KDRPP feasibility study, Reclamation and Ecology are evaluating two alternatives: the East Shore Pumping Plant and the South Pumping Plant. Geologic investigations along the alignment of the KDRPP South Pumping Plant are continuing with further drilling planned in 2015. The East Shore Pumping Plant alignment would enable the pumping plant shaft and tunnel to be constructed in rock. This alternative would include a buried pipeline along the reservoir rim to convey water from the pumping plant to the existing discharge pool below the dam. The South Pumping Plant intake would not be constructed in bedrock. This alternative has a lower hydraulic head and could therefore be operated at a lower cost. Reclamation is currently doing a cost-risk analysis for these project alternatives. Reclamation is also evaluating impacts to bull trout migration between the lower and upper Kachess Reservoir. If constructed, the KKC would contribute to improving connectivity between the lower and upper reservoir. Mitigation considerations for the KDRPP would include fish passage between Box Canyon Creek and Kachess Reservoir, fish passage between the lower and upper reservoir, passage improvements within Keechelus and Kachess Reservoirs, and monitoring of water levels in drinking water wells near Kachess Reservoir.

Bull Trout Enhancement

The KDRPP and KKC actions would include Bull Trout Enhancement (BTE) projects and studies.

Reclamation and Ecology have coordinated with the USFS, USFWS, Yakama Nation, WDFW, and NMFS to formulate the BTE program. These entities are working on a Memorandum of Understanding to keep the BTE effort moving forward. BTE is a component of all action alternatives in the KKC and KDRPP EIS. BTE efforts include a nutrient enhancement assessment and improvements in Gold Creek and Cold Creek.

Cle Elum Pool Raise

The CEPR would raise the elevation of the Cle Elum Reservoir by 3 feet, creating an additional 14,600 acre-feet of storage, by modifying the radial gates. The CEPR would include construction of shoreline erosion protection prior to raising the reservoir pool elevation. Reclamation is working with homeowners who border the shoreline to address erosion concerns. This project would include mitigation of disturbed camping locations along the reservoir shoreline. Reclamation and Ecology aim to complete the Final EIS and have the Record of Decision on the CEPR EIS signed within the next few months.

Cle Elum Dam Fish Passage

In 2009, the Yakama Nation began reintroducing sockeye into the Cle Elum Reservoir. This fish reintroduction effort has been successful. Michael Garrity noted that population improvements would be even greater when permanent fish passage is constructed at Cle Elum Dam. The Cle Elum Dam Fish Passage design is complete and road improvements will begin this year. Walt noted that the multilevel intake structure planned for Cle Elum Reservoir would not extend to the lowest reservoir drawdown elevation; however, it would operate within a significant range of varying pool elevations including meeting fish passage needs in spring.

Tieton Dam Fish Passage

Reclamation and Ecology, after discussions with the Storage Dam Fish Passage Core Team, have selected Tieton Dam as the next location for fish passage under the Integrated Plan. Reclamation has recently initiated the appraisal-level study for this project. Susan Crawford, Reclamation, will be the project manager on the appraisal study.

Bumping Reservoir Enlargement and Wymer Dam and Reservoir

Reclamation will be completing geotechnical investigation along the two possible dam sites for the BRE this spring. Geotechnical investigations will include drilling and seismic work.

Andrew Graham, HDR Engineering, presented the hydrologic modeling done for the WDR and BRE. HDR completed modeling of WDR and BRE in December 2014. This effort built on the initial development phase project modeling completed in summer 2014. The next phase of hydrologic modeling will examine the effects of water conservation on return flows and lower basin supply availability. The modeling includes operating protocols to guide how the model stores and releases water at different reservoirs. If these projects are constructed, the operating protocols would need to be further defined in consultation with stakeholders.

HDR evaluated water supply modeling results using common metrics; these include change in prorationing level, change in TWSA, and change in deliveries to water users. These metrics were evaluated under a range of supply conditions using an 84-year period of record. Results suggest that the projects do not perform as well during multiyear droughts. Andrew compared the modeling results from the WDR, BRE, and full Integrated Plan scenarios to the baseline with conservation and the initial development phase scenario results. The results show an improvement in prorationing and proratable deliveries during drought years. WDR and BRE each would provide an improvement of about 5 percent in prorationing over the initial development phase. The full Integrated Plan scenario showed an approximate 10-percent improvement compared to the initial development phase; and an improvement of 21 percent compared to the baseline scenario. However, the full Integrated Plan scenario would be approximately 3 percent short of the 70-percent prorationing goal in terms of average performance across drought years. These estimates rely on model operating constraints that are set to run the same way in every year. Actual operations would likely be more flexible than the modeling assumptions to respond to particular conditions in any given dry year, and this could raise prorationing levels higher than the model results show.

HDR evaluated streamflow modeling results to see how closely they matched flow objectives in the Integrated Plan for various river reaches and different seasons. The results suggest that WDR would generate streamflow improvements in the Easton Reach (improved by 30 to 60 cfs), Cle Elum River (improved by 80 to 120 cfs), Keechelus Reach (increased minimum flow), and Tieton Reach (increased minimum flow). These streamflow improvements would benefit spawning and rearing habitat for spring Chinook and eventually steelhead as they re-populate the upper reaches of the basin. The results suggest that BRE would generate streamflow improvements in the Tieton River (improved by 25 to 35 cfs), Bumping River and Naches River (improved outmigration), and Yakima River (improved outmigration). The BRE would allow for a spring pulse to support outmigration, which would benefit all anadromous fish.

Workgroup Discussion:

Sid Morrison: Is the water supply improvement for junior and senior water right holders? *Andrew: The modeling assumes the additional water supply is for proratable users only.*

Groundwater Storage

Dave Brown reported that Ecology has issued a temporary permit to the City of Yakima for the aquifer storage and recovery project. The City started recharging the aquifer on March 10, 2015. The City plans to obtain a long-term permit pending completion and submittal to Ecology of additional project documentation.

Reclamation and Ecology, after discussions with the stakeholder group working on groundwater recharge, have selected the KRD service area in Kittitas County to investigate aquifer recharge potential. Other sites in the middle and lower parts of the basin are still being considered for future recharge projects. To date, Reclamation has completed four monitoring wells and Ecology has installed the Dry

Creek stream gage in Kittitas County. This area will serve as a pilot project to evaluate groundwater recharge and the impact to nearby tributaries.

Teanaway Community Forest

Rick Roeder, Washington Department of Natural Resources (DNR), discussed the TCF Advisory Committee's recent efforts. The Advisory Committee was charged with making recommendations to WDFW and DNR on the TCF Strategic Plan. DNR and WDFW aim to release the plan for public review in April. The Watershed Lands Conservation Subcommittee will be reviewing the plan and providing feedback to ensure it is in line with the goals of the Integrated Plan. In addition to development of the TCF Strategic Plan, the TCF Advisory Committee is focused on road maintenance and redevelopment in the TCF and working to establish a baseline for forest health monitoring.

Habitat Enhancement Projects

Jeff Tayer provided an update on ongoing habitat enhancement projects. In Yakima County, appraisals will be conducted on the Gap-to-Gap Property Acquisitions in the near future. This project would improve the floodplain and ecosystem functions in this area. The purchase and sale agreement for the Trout Meadows project is nearly complete. The Cle Elum River Side-Channel Restoration project has been constructed. The modeling and geomorphic assessment for the Gold Creek Project are complete and conceptual designs are being refined. This project is included in the BTE package and is important for improving bull trout populations in the upper Yakima. The Little Rattlesnake Road decommissioning is underway, with the new bypass road constructed and stream restoration planned for later this year. The Reed Diversion Dam Removal project is underway, which will remove the last fish barrier on Manastash Creek. All of these projects are coming together because of the impetus and collaboration opportunities provided by the Integrated Plan.

Agricultural Conservation Projects

Scott Revell provided an update on ongoing conservation projects. The KID canal lining project will be completed at the end of March 2015. The Roza Irrigation District Lateral 4-414C Pipeline is currently being installed. The Manastash Creek Sprinkler Conversion project has been completed and is currently being tested. This project will be operational by the 2015 irrigation season.

Public Comment

- Grant Learned Jr., Kachess homeowner: There is frustration among homeowners who are working hard to be heard, but feel they are not being included in the discussion about the KDRPP and KKC. The homeowners have requested meetings to ask questions and have a discussion about these projects. They want to have a two-way conversation, not just another presentation given by members of the Workgroup.
- Gary Waltz, Kachess homeowner: The Kachess Homeowners request time at the next Workgroup meeting to give a presentation on the homeowners' concerns.
- Chris Maykut, Friends of Bumping Lake: We are disappointed that the WSU study has not changed the Workgroup's course of action. The study indicated that the water storage and

conveyance projects are not economically justified. It is important that the Workgroup not discount or disregard the findings from the WSU study. We would be curious to know if the WSU study was presented to the DC Leadership team.

- Grant Learned Sr., Kachess homeowner: It seems that the Workgroup does not recognize that federal funding for the Integrated Plan projects comes from taxpayers. These projects only benefit a small region of the county, but would come at the cost of taxpayers across the nation.
- Bill Campbell, Kachess homeowner: Reclamation noted that the KDRPP and KKC EIS comment period is being reopened because there appeared to be misunderstandings about the projects. Will there be additional material provided to help clear up these misunderstandings? *Yes, Reclamation and Ecology are working on more targeted outreach which will include new educational material and additional meetings where this information will be shared with the public.*

The Workgroup doesn't seem to be paying enough attention to the concerns of the Kachess homeowners who will be most impacted by these projects. There are not just cabins in this area, there are also year-round homes. It should be recognized that although Reclamation views these projects as just moving water, in reality Reclamation would be draining the lake. Also, although the Workgroup insists on using the name "Kachess Reservoir," the actual name that should be used according to local roads and maps is "Lake Kachess." The homeowners recognize this as a lake not a reservoir. We are interested to know if the WSU Study or Normandeau Report were presented to the DC Leadership team, and if the Workgroup tells the DC Leadership team about the communities living in the affected area. Does the DC Leadership team truly understand the impacts of these projects?

- Justin Harter, Washington State Water Resources Association and Family Farm Alliance Group: The Family Farm Alliance Group recently went to Washington, DC, to meet with congressional representatives. The group represents farming and ranching families. He commended the effort of the Workgroup and notes that other states do not have this level of cooperation.

Workgroup Roundtable Discussion

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

- Rick Dieker, Yakima-Tieton Irrigation District: He agrees with Justin Harter's comment.
- Phil Rigdon, Yakama Nation: There are many simultaneous efforts going on. Thank you to all involved for your continued effort. It is incredible after 7 or 8 years to still have so many individuals dedicated to this effort.
- Mike Shuttleworth, Benton County: It is exciting to see continued cooperation and progress.
- Mike Leita, Yakima County: This project is about all of us working together instead of separately. By working together we can achieve so much more than separately. We can succeed collectively for the betterment of all and for future generations.
- John Easterbrooks, WDFW: These projects should be viewed as a marathon. We are making great progress.

- Stuart Wooley, Forest Service: The Western Watersheds Enhancement Partnership is important to the Forest Service, at the local, regional and national levels. With regard to the EIS's being prepared on Integrated Plan projects, the Forest Service is focused on producing a quality assessment.
- Michael Garrity, American Rivers: The DC Leadership Group is aware of the WSU Study and has heard from skeptics of the Integrated Plan. Part of the plan is that water supply beneficiaries will pay back a portion of the benefit that they receive, with interest. This affects the economics on the projects.
- Sid Morrison, Yakima Basin Storage Alliance: He has seen reservoir users pay Reclamation back for reservoir projects that were financed and constructed decades ago. This is a process that works.
- Seth Defoe, KID: It is important that correct information be available to the public so that they understand the projects. For example, the KKC will not drain Keechelus Reservoir. We also do not want homeowners to feel they are getting steamrolled. We should be able to answer their questions.
- David Fast, Yakama Nation: When there is a dam at the end of a body of water, then that water body is considered a reservoir, not a lake.
- Jeff Thomas, USFWS: He is very proud of what we have accomplished over the last several years. It is important to consider what is best for all involved. As a taxpayer, he recognizes a portion of his tax money is going to fund projects in other regions of the country. The Florida Everglades project is an example that he is happy to contribute to.
- Lisa Pelly, Trout Unlimited: Lisa was proud to be here and excited to see these projects progress. Thank you to Reclamation for taking some additional time to make sure the public understands the projects currently being analyzed.
- Dawn Wiedmeier, Reclamation: There is controversy on some of the Integrated Plan projects, which is inevitable. In preparing the EIS, Reclamation is committed to providing accurate information to the public.
- Rick Roeder, DNR: Rick is impressed by the cooperation of those who have been involved in the Workgroup for many years. The Integrated Plan is becoming a model for other efforts within DNR.
- Obie O'Brien, Kittitas County: The Kittitas County Commissioners will be hosting a meeting on April 4 to discuss the projects and concerns.

Ben Floyd closed the meeting by noting upcoming meeting dates in 2015: June 3, September 9, and December 16.

Workgroup Members in Attendance

Dale Bambrick, National Marine Fisheries Service
Dave Brown, City of Yakima
Seth Defoe, Kennewick Irrigation District
Rick Dieker, Yakima-Tieton Irrigation District
Urban Eberhart, Kittitas Reclamation District
David Fast, Yakama Nation - Yakima/Klickitat Fisheries Project
Michael Garrity, American Rivers
Mike Leita, Yakima County
Sid Morrison, Yakima Basin Storage Alliance
Lisa Pelly, Washington Water Project, Trout Unlimited
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 - Mid-Columbia River Fishery Office
Dawn Wiedmeier, Bureau of Reclamation - Columbia-Cascades Area Office
Ron Cowin (Alternate), Sunnyside Valley Irrigation District
John Easterbrooks (Alternate), Washington Department of Fish and Wildlife
Obie O'Brien (Alternate), Kittitas County
Stuart Woolley (Alternate), US Forest Service, Okanogan-Wenatchee NF

Other Attendees

David Bowen, Kittitas County Chamber of Commerce
Bill Campbell, Lake Kachess HOA
Debbie Carlson, Bonneville Power Administration
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
Jane Creech, Ecology
Jack and Beneitta Eaton
Sharra Finley, Rep. Newhouse office
Ben Floyd, Anchor QEA
Chuck Freeman, Kennewick Irrigation District
Adam Fyall, Benton County
Patty Garvey-Darda, U.S. Forest Service - Cle Elum Ranger District
Andrew Graham, HDR Engineering, Inc.
Sean Gross, National Marine Fisheries Service
Justin Harter, NSID

Ken Hasbrouck, Kittitas Reclamation District
Tim Hill, Ecology
Joel Hubble, Bureau of Reclamation - Yakima Field Office
Chuck Klarich, Yakima Basin Storage Alliance
Walt Larrick, Bureau of Reclamation
Grant Learned, Sr., Lake Kachess HOA
Grant Learned, Jr., Lake Kachess HOA
Edwin Lewis, Wapato Irrigation Project
Chris Lynch, Bureau of Reclamation
Steve Malloch, Western Water Futures LLC (alt. for American Rivers)
Larry Martin, Velikanje Halvorson
Daniel Martinez, S. Martinez Livestock
Chris & Samantha Maykut, Friends of Bumping Lake
Naydene Maykut, Friends of Bumping Lake
Jason McCormick, Washington Water Trust
Patrick McGuire, Kennewick Irrigation District
Dale Meck, cbec eco engineering
Bryan Myre, Yakama Reservation Irrigation District
David Ortman
Elaine Packard, Water/Salmon Committee, Cascade Chapter, Sierra Club
Sarah Pistorese, HDR Engineering, Inc.
Kirk Rathbun, Kennewick Irrigation District
David Reeploeg, Office of Senator Maria Cantwell
Tom Ring, Yakama Nation
Mike Shuttleworth, Benton County
Dan Silver
Chad Stuart, Bureau of Reclamation
Jeff Tayer, WDFW
Tom Tebb, Washington State Department of Ecology
Michael Tobin, North Yakima Conservation District
Ron VanGundy, Roza Irrigation District
Richard Visser, US Fish & Wildlife Service
Jerry Watts

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@anchoragea.com.