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Meeting Notes

Yakima River Basin Water Enhancement Project (YRBWEP) Workgroup

June 8, 2016

Yakima Area 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, other attendees, and the public, 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>

Ben recognized Michael Garrity who recently accepted a new job and has transitioned from American Rivers to the Washington State Department of Fish and Wildlife (WDFW). Michael will no longer serve on the Workgroup. Ben welcomed Steve Malloch, American Rivers, who will take Michael's place on the Workgroup. The Workgroup acknowledged Michael for his contribution to the Integrated Plan. Michael said that he plans to stay engaged in some aspects of the Integrated Plan.

Wendy Christensen, Reclamation, stated that Reclamation and the U.S. Forest Service have been awarded \$150,000 for pre-fire forest thinning in the Naches River watershed as part of the Western Watershed Enhancement Partnership program. Pre-fire forest thinning will be performed in areas that drain into Rimrock Reservoir.

Implementation Committee Update

Tom Tebb, Ecology, provided an update on the Implementation Committee. The draft Federal Legislation, Senate Bill 1694, was attached as an amendment to the Senate Energy Bill that the Senate recently passed. The U.S. House of Representatives passed an Energy Bill in December 2015 which differs from the Senate Energy Bill. The House Energy Bill does not include an amendment for the Integrated Plan efforts. The Senate and House will form a conference committee to develop a combined Energy Bill. The Implementation Committee recently traveled to Washington DC for a meeting with the DC Leadership Team. The Implementation Committee also met with Senator Cantwell's, Senator Murray's, and Congressman Reichert's offices, among other House and Senate staff. Tom thanked the DC Leadership Team for their support of the Integrated Plan.

Public Input

None.

Habitat/Watershed Protection and Enhancement Update

Jeff Tayer, Habitat Subcommittee Chair, provided an update on the Habitat/Watershed Protection and Enhancement element of the Integrated Plan. An essential part of habitat element is the restoration of floodplains along the Yakima River and its tributaries which played a large role in the historical productivity of salmon and steelhead in this basin. Workgroup members provided examples of floodplain restoration efforts in the Yakima River basin.

Kittitas County Floodplain Restoration

Mark Cook, Kittitas County, provided a summary of the Ringer Loop Road floodplain restoration project in Kittitas County. The Ringer Loop Road has been damaged by flooding along the Yakima River. Kittitas County installed erosion control blankets and rip rap along portions of the road to protect it from erosion. The County is also investigating options to protect the railroad corridor in this area from flood damage. Mark said that the river is expected to continue to cause flooding in this area. As such, the County has prepared a proposal to restore the floodplain in this area. This will involve acquiring \$1.1 million of private property in this area. This project would also require relocating the existing boat ramp along Ringer Loop Road. Mark said that the County has submitted a funding proposal to the Salmon Recovery Funding Board to do hydrologic analysis in this area. The County has also submitted an application for the Floodplain by Design grant to restore 400 acres of floodplain in this area. Jeff said that the Habitat Subcommittee has also included restoration of this area in the proposal for the State 2017-2019 biennium budget request. Restoring this floodplain would help to improve flows in this reach, riparian habitat, aquifer recharge, and water temperatures. In general, floodplain restoration is a more cost-effective approach to managing flood events than traditional flood protection infrastructure.

Yakima County Floodplain Restoration

Joel Freudenthal, Yakima County, provided a summary of the floodplain restoration efforts in Yakima County. Joel stated that almost all infrastructure in this region ties to the Yakima River, such as municipal water supply systems, stormwater systems, road networks, and irrigation systems. Therefore, the river itself can be viewed as the most critical piece of “infrastructure.” As settlement has expanded over time, the Yakima River and its tributaries have become more constrained. Yakima County is working to restore the river grade and processes to pre-settlement levels. This will make the management of the river more sustainable and restore essential environmental functions. Joel described several projects underway in Yakima County, including the Eschbach Park levee setback project, the Gap-to-Gap floodplain restoration project, and the Rambler’s Park levee project. Ongoing projects in this reach include approximately 12,000 feet of levee restoration and infrastructure reconfiguration. Joel emphasized that floodplain health is important for natural water storage, flood management, and fish and wildlife habitat. Mike Leita, Yakima County, noted that Joel’s presentation shows how all of these systems are connected, and that projects developed in isolation can have unintended consequences. The Integrated Plan is designed to be holistic to avoid that problem. Mike also commented that the community takes a strong interest in projects that affect long-standing uses of land and resources. Mike said that sometimes it’s necessary to change long-standing uses to create a better future, such as restoring floodplains to pre-settlement levels.

Dale Bambrick, National Marine Fisheries Service, commended the county governments for the shift they have made toward investing in floodplain restoration.

Yakama Nation Floodplain Restoration

Tom Elliot, Yakama Nation, provided a summary of the Yakama Nation's floodplain restoration efforts. This has been a decades-long effort by the Nation, which is now being accelerated through collaboration under the Integrated Plan. The Starvation Flats and Dry Creek Drainage projects would restore the hydrology in this area. The Parker Ponds Enhancement project would involve restoring the Parker Ponds and relocating juvenile lamprey caught in irrigation diversion screens to the restored ponds. The Buena Riparian restoration project would involve planting riparian vegetation to improve shading and river bank cover. These projects have been included in the Habitat Subcommittee's proposal for the State 2017-2019 biennium budget request. Tom Elliot stated that the Integrated Plan is helping the Yakama Nation to restore cultural resources as well as fishery resources.

Tom Elliot also described the habitat restoration efforts underway in the Teanaway Community Forest (TCF). The Yakama Nation is working with WDFW and the Washington Department of Natural Resources (DNR) to improve tributaries within the TCF. This will involve increasing wood loading in these tributaries.

In addition, the Yakama Nation received a Natural Resource Conservation Service, Regional Conservation Partnership Program (RCPP) grant in 2015. With these funds, the Yakama Nation has identified eight priority projects that they would implement over the next five years. Lisa Pelly, Trout Unlimited, said that the Implementation Committee and the Yakama Nation will be submitting a joint Integrated Plan proposal for an RCPP grant in 2016. Jeff Tayer commented that the Yakama Nation is an essential partner in a wide range of collaborative habitat restoration efforts.

Public Input:

- Bob Hall, Yakima Basin Storage Alliance: Have these projects been funded entirely by public funds? *Private funds and easements from Central Pre-Mix have contributed to the Gap to Gap Floodplain projects. In addition, private entities have contributed to other elements of the Integrated Plan. For example, The Nature Conservancy purchased the Plum Creek Timber lands in the headwaters of the Yakima River to advance the watershed protection and enhancement element of the Integrated Plan.*

Groundwater Storage – Managed Recharge Update

Tom Ring, Yakama Nation, provided an update on the groundwater storage efforts underway in the basin. There are two managed groundwater recharge approaches: aquifer storage and recovery (ASR) that uses wells to “inject” smaller quantities of water into the aquifer (e.g. City of Yakima ASR) and groundwater infiltration that uses passive recharge often involving large quantities of water. These managed groundwater recharge approaches allow for surface water to be stored during periods of high runoff and used later during periods of low runoff. Reclamation and Ecology have evaluated potential managed recharge sites in the basin. This has involved modeling potential recharge sites to determine

the effectiveness of a groundwater recharge program. Modeling suggests that recharge during the winter months would increase stream flow in spring, summer, and fall months. This analysis has been documented in the *Groundwater Storage Element – Basinwide Analysis: Managed Groundwater Recharge* report. It is important to note that implementation of a managed recharge program would vary depending on the geology and operating characteristics of each location. Flows at Parker are an important consideration since they affect operation of Reclamation reservoirs and the effects on carryover storage.

Reclamation and Ecology have installed monitoring equipment in new and existing wells located in Kittitas Reclamation District (KRD) and the Wapato Irrigation Project (WIP). Reclamation and Ecology plan to monitor these locations to confirm that model results agree with pilot testing. For example, the Toppenish Creek Alluvial Fan Aquifer Recharge pilot project was implemented in 2015. Between December 2015 and March 2016, existing irrigation ditches were used to divert approximately 2,500 acre-feet of water from Toppenish Creek to the alluvial fan area. This project aims to reestablish the Toppenish Fan’s hydrologic cycle, increase the water levels in the aquifer, and improve the connectivity of its distributary channels. Reclamation and Ecology plan to continue monitoring and data collection in this area. There is also interest in investigating if recharge from the Chandler Canal in the Kennewick Irrigation District could support cool water upwelling (“refugia”) in the lower Yakima River to support fish migration upstream. Wendy noted that Reclamation and Ecology are working with the irrigation districts to identify additional potential managed recharge pilot projects. It is likely that managed recharge will become an important tool as climate change alters future precipitation patterns.

Urban Eberhart, KRD, said that the Groundwater Working Group has been investigating potential infiltration sites. Starting in April, KRD began a pilot infiltration program that involved flooding KRD fields. Dave Nazy, Ecology, presented data from this effort and said that the monitoring wells near KRD showed an increase in the aquifer levels when the KRD canals were turned on. This is expected to improve flows in local tributaries and increase available water supply in the basin.

Dave Brown, City of Yakima, provided an update on the City’s ASR program. The City has been working with Ecology to acquire a long-term ASR permit. Dave said that the City and Ecology are close to finalizing the permit.

Public Input:

- Chuck Klarich, Yakima Basin Storage Alliance: Have Reclamation and Ecology considered Satus Creek as a potential location for floodplain enhancement and aquifer recharge? *Yes, this is a potential location for floodplain enhancement and aquifer recharge. However, it would likely require a larger restoration effort than other areas in the basin.*
- David Ortman, Sierra Club: How much funding is proposed for traditional storage projects in the State 2017-2019 biennium budget request? *Approximately \$9.5 million has been proposed for surface storage projects in the next biennium.*

- Chris Maykut, Friends of Bumping Lake. Will the new Economics Subcommittee update the economic analysis performed several years ago? *It is likely that a new analysis will be done in the next year on the large infrastructure projects to account for the irrigators' revised approach to KDRPP and the associated cost information.*

Market Reallocation Update

Tom Tebb said that Ecology, in consultation with the Water Use Subcommittee, is working to advance solutions for a range of water transfer options in the Yakima River basin, including water transfer options for irrigation districts and municipalities. Ecology has recently contracted Washington State University to explore water banking opportunities in the Columbia River basin and water markets in the region. Ecology is also planning to fund additional work on this topic and will issue a request for proposals in the fall.

Scott Revell, Roza Irrigation District (Roza), said that Roza has developed a white paper that explains the factors influencing water markets and transfers in the Yakima River basin. Water transfers can be very complicated. For example, high value crops are not always located in areas operated by senior water right holders. Water cannot be readily “moved” from Naches basin reservoirs to diversions above the Naches confluence with the Yakima River. In addition, transferring water from one district to another is limited by operational considerations for each irrigation district, and irrigation district boards can prohibit such transfers. In 2015 the water supply forecast changed from the early season to the late season, and this made it hard to lease water needed later in the irrigation season. Roza has tried to lease water in each of the last four droughts, but has not been able to secure as much water as they need. Moving forward, Ecology, Reclamation, the irrigation districts, and other stakeholders are undertaking a comprehensive review of water transfers and markets with the goal of understanding, and where feasible, overcoming the obstacles and processes impeding a more flexible water market.

Steve Malloch, American Rivers, said that dry conditions may become more common in the future. Systems should be set up to account for this as a regular event, and avoid treating water shortage as an occasional crisis requiring special actions. Tom Tebb noted that currently, the State is unable to provide drought funding until a drought declaration has been made. For water markets to work effectively, funding would need to be made available earlier. Ecology is in the process of updating the Washington State Drought Contingency Plan. This updated plan will consider opportunities to take advance action.

Public Input

None.

Public Comment

None.

Water Supply Forecast Update

Chris Lynch, Reclamation, provided an update on 2016 water supply conditions for Reclamation's Yakima Project. As of June 1, 2016, reservoir storage is 114 percent of normal and snow water equivalent is 39 percent of normal. In April and May, there was a large amount of snow melt and runoff.

Chris said that the Yakima River basin experienced the driest April on record in 2016, and that snow pack is melting rapidly. Overall, Reclamation estimates that total water supply available (TWSA) for 2016 will be 86 percent. However, if conditions become 50 percent of normal, the TWSA estimate drops to 77 percent. Chris said that the extended forecasting suggests that it will be a warmer and drier summer than normal.

Tom Tebb provided a summary of the statewide 2016 water supply status. On June 2nd, the state Water Supply Availability Committee identified 25 watersheds as meeting the hydrologic threshold of the state drought statute (below 75 percent of normal water supply conditions). These watersheds experiencing drought conditions are predominately located on the Olympic Peninsula and in southwest Washington. The Executive Water Emergency Committee will be meeting June 9th to evaluate potential for hardship and whether to recommend drought declaration for any part of the state. Statewide snow pack is at approximately 33 percent of normal. By comparison, Tom said that statewide snow pack was at zero in early June 2015. In general, Ecology has found that for 2016, snow pack is melting about 1 to 3 weeks earlier than normal.

Public Input

None.

2016 Technical Work Update

Cle Elum Dam Fish Passage (CEFP) Facilities

Walt Larrick, Reclamation, provided an update on the CEFP project. The CEFP will be constructed in six contracts, these are: (1) access road and bridge, (2) downstream fish passage shaft (secant pile), (3) tunnel from the helix structure to the outfall below the spillway, (4) downstream fish passage gate and helix structure, (5) downstream fish passage intake, and (6) adult passage facility and splitter wall in spillway stilling basin. Reclamation awarded the construction contract for phase 1 in July 2015. The access road and bridge are currently under construction; Reclamation anticipates completion in fall 2016. Reclamation plans to award the second contract in September 2016. Walt said that Reclamation has salvaged the trees removed during construction and plan to use these trees for shoreline protection along Cle Elum Reservoir and on stream restoration projects in the basin.

Reclamation is evaluating the Whooshh InnovationTM fish transport system as a potential option for upstream passage at Cle Elum Dam. The Whooshh InnovationTM fish transport system moves fish upstream through a flexible conduit, using pressure differentials. If implemented at Cle Elum Dam, the transport tube would need to be approximately 1,100 feet long. As part of the CEFP project, the Yakama Nation is working with Whooshh InnovationTM to test the technology at Roza's fish trap facilities. Initial studies suggest that this technology is safe for fish and would be significantly less expensive than conventional upstream fish passage options.

Cle Elum Pool Raise

Walt provided an update on the Cle Elum Pool Raise project. The *Final Environmental Impact Statement (EIS) Record of Decision* was signed in June 2015. Reclamation awarded the construction

contract for the radial gate modification in September 2015. Construction of the radial gate modification is underway, three of the five gates have been completed. Reclamation and Ecology continue to work with the U.S. Forest Service and landowners on the shoreline protection. The higher water levels will be activated only after the shoreline protection has been installed. Reclamation plans to award a contract for the shoreline protection work in 2016.

Kachess Drought Relief Pumping Plant

Teresa Merriman, Reclamation, provided an update on the Kachess Drought Relief Pumping Plant (KDRPP). Reclamation and Ecology are currently working on a Supplemental Draft Environmental Impact Statement (SDEIS) that will include a permanent floating pumping plant, designed by the proratable water users (Roza and KRD at this time), with a pumping capacity of up to 200,000 acre-feet. Reclamation and Ecology aim to have the SDEIS available for public comment review and public meetings in late 2016.

Reclamation and Ecology received comments on the DEIS in January 2015. In response to these comments, Reclamation and Ecology have been re-evaluating content in the DEIS to affirm, revise, or update content as needed. Reclamation and Ecology have revised or collected additional data related to domestic wells, property values, river flows and reservoir operations, bull trout passage, and wildfire and fire safety.

Reclamation performed water-balance calculations on KDRPP to analyze how it would have performed 2015 and 2016. Currently, the maximum pool elevation is Elevation 2,262 and the minimum pool elevation is Elevation 2,192. Reclamation's analysis found that if they had operated the KDRPP in 2015, prorationing levels would have been improved by 19 percent (from 47 percent to 66 percent). This assumes that the full 200,000 acre-feet of drought relief water would have been used (i.e. the reservoir would have been drawn down to Elevation 2,112). Under this scenario, Kachess Reservoir would not fully refill in 2016. It would rise to approximately Elevation 2,225 and then be drawn down to approximately Elevation 2,130 by the end of the irrigation season. Reclamation also examined a scenario where proratable irrigators used only 70 percent of their entitlement in 2016, rather than their full entitlement. This would significantly increase stored water and pool level in Kachess in the year following the drought year. Teresa noted that this analysis only considered the operations of Kachess Reservoir and did not account for interactions with other Yakima Project reservoirs. More advanced modeling using RiverWare would be necessary to account for those interactions.

Public Input:

None.

Executive Committee, Subcommittees and Subgroups Updates

Ben introduced the Executive Committee, Subcommittees, and Subgroups.

Executive Subcommittee

Tom Tebb provided an update on the Executive Committee. Currently the Executive Committee is

working with all subcommittees to identify specific water conservation and habitat restoration projects to include in Ecology's proposal for the State 2017-2019 biennium budget request.

Economic Subcommittee

Mike Leita, Economic Subcommittee Chair, described the newly formed Economic Subcommittee. The first meeting of the Economic Subcommittee will be in mid-June. The purpose of this subcommittee is to evaluate the economic impacts of drought and the value of additional water supply. The subcommittee will document this evaluation in a white paper. Mike said that the subcommittee aims to have this white paper completed by the end of 2016. Mike said that the subcommittee is made up of members that represent diverse interests in the basin.

Habitat Subcommittee

Jeff Tayer, Habitat Subcommittee Chair, provided an update on the Habitat Subcommittee. The Subcommittee recently submitted a Habitat Proposal to Ecology for inclusion in the State 2017-2019 biennium budget request. The Subcommittee has also prepared proposals for bull trout enhancement projects and Clear Lake Fish Passage. The bull trout enhancement proposal will be reviewed by the Bull Trout Working Group before being included in Ecology's State budget request.

Watershed Land Conservation Subcommittee

Peter Dykstra, Land Subcommittee Chair, provided an update on the Watershed Land Conservation Subcommittee. The Subcommittee has submitted a Lands Conservation Proposal to Ecology for inclusion in the State 2017-2019 biennium budget request. This proposal focused on projects in the TCF. Peter said that it is important to ensure that there are sufficient resources available to manage the TCF consistent with the goals identified when it was acquired. The Subcommittee has also initiated discussions with the Forest Service about wild and scenic designations in the upper Cle Elum River watershed. Members of the Subcommittee and the Forest Service plan to form a working group that will evaluate approaches for implementing a wild and scenic designation in this area.

Outreach Subcommittee

Nicky Pasi, American Rivers, provided an update on the Outreach Subcommittee. In March, Urban Eberhart, KRDC, attended the White House Water Summit. Urban said that the Summit was a good opportunity to raise awareness about the Integrated Plan and showcase it as a successful approach to water resource management. The Outreach Subcommittee has continued efforts to meet with community groups to discuss Integrated Plan projects, provide legislative updates, and create opportunities to address community questions and concerns. Workgroup members and outreach staff have presented Integrated Plan updates to numerous organizations, including local City Councils and Chambers of Commerce. In addition, outreach staff have set up Integrated Plan informational tables at community events and conventions. The Outreach Subcommittee plans to set up informational tables at events throughout the summer.

Water Use Subcommittee

Scott Revell, Water Use Subcommittee Chair, provided an update. The Subcommittee has been working on prioritizing water conservation project for the State budget request. The Subcommittee has also been working with Ecology to advance the market reallocation element of the Integrated Plan.

Lower River Subgroup

Jason McShane, Lower River Subgroup Chair, provided an update on the Subgroup. Recently, the

Subgroup has prepared project proposals for the State budget request. Proposed projects have focused on improving fish passage in the lower Yakima River, such as supporting cool water refugia for fish. The lower river hydrologic modeling effort is ongoing. Jason hopes Reclamation's contractor can present results from the modeling effort at the next Lower River Subcommittee meeting.

Municipal Water Use Subgroup

Dave Brown, Municipal Water Use Subgroup Chair, provided an update on the Subgroup. The Subgroup has engaged Benton Conservation District to begin advancing the Subgroup's work plan. Benton Conservation District will help the Subgroup to develop a website that will promote water conservation and low-water-use landscaping. Dave encourage municipal members to attend the next Subgroup meeting on July 11, since the Subgroup will be developing content for a water conservation website, planning outreach to customers and elected officials, and identifying municipal conservation practices.

Public Input:

None.

Workgroup Roundtable Discussion

- Steve Malloch, American Rivers: Steve thanked Michael Garrity for his contribution to the Integrated Plan. Steve looks forward to the opportunity to serve on the Workgroup.
- Jason Kuiken, Forest Service: Jason announced that the Forest Service is hiring several new staff, including an Integrated Plan Coordinator and several biologists. Stuart Woolley is going to retire. Those interested can contact Jason for additional information about these positions.
- Tom Ring, Yakama Nation: There will likely be extreme drought conditions impacting tributaries in the basin this summer. The Yakama Nation is working with Ecology, KRD, and other partners in the basin to address impacts to fish migration.
- Urban Eberhart, KRD: Without the Integrated Plan the achievements discussed today would not have been possible. KRD has already started diverting supplemental flows to four local tributaries. This is an earlier start than in 2015. Therefore, drought conditions in these tributaries will likely be worse than observed in 2015.
- Commissioner Paul Jewell, Kittitas County: Paul suggested that the next Workgroup meeting include a presentation on the water banking work being done, at the County level, which is making a big difference.
- Dave Fast, Yakama Nation: The Yakima Basin Science & Management Conference is June 15th and 16th in Ellensburg.
- Wendy Christensen, Reclamation: Wendy thanked Michael Garrity for his contribution to the Integrated Plan. Wendy wished Michael good luck in his new position.

Ben Floyd closed the meeting by noting the next Workgroup meeting will be September 14, 2016, at the Benton Public Utility District Auditorium in Prosser. In December, the meeting will return to the Yakima Area Arboretum.

Attendance

Workgroup Members in Attendance

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
Jerome Delvin, Benton County
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
Paul Jewell, Kittitas County
Jason Kuiken, Okanogan-Wenatchee National Forest
Mike Leita, Economic Subcommittee Chair, Yakima 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
Abigail Nickelson for Jacklyn Hancock, Washington State Department of Agriculture
Lisa Pelly, Washington Water Project, Trout Unlimited
Scott Revell, Water Use Subcommittee Chair, Roza Irrigation District
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
Ron VanGundy, Roza Irrigation District
Dawn Wiedmeier, Bureau of Reclamation - Columbia-Cascades Area Office

Other Attendees

Bob Anderson, Geosyntec
David Bowen, Washington State Department of Ecology
Steve Croci, U.S. Fish and Wildlife Service
Wendy Christensen, Bureau of Reclamation - Columbia-Cascades Area Office
Todd Hunziker, CH2M Hill
Mike Kuttel, Washington State Department of Fish and Wildlife
William Meyer, Washington State Department of Fish and Wildlife
Judy Neibauer, U.S. Fish and Wildlife Service
Leslie Roy
Mike Schwisow, Schwisow & Associates
Mike Shuttleworth, Benton County
Jonathan Smith, Yakima County Development Assn.
Arden Thomas, Washington Water Trust
Jason Wagner, Bureau of Reclamation
Ann Welz, The Trust for Public Land
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
Dan Church, Bureau of Reclamation - Columbia-Cascades Area Office
Tony Coluccio, Frank Coluccio Construction
Mark Cook , Kittitas County
Stuart Crane, Yakama Nation
Charlie de la Chapelle, Yakima Basin Storage Alliance
Karen Dera, Bureau of Reclamation - Columbia-Cascades Area Office
John Easterbrooks, Washington Department of Fish and Wildlife
Bill Eller, WSCC
Tom Elliott, Yakama Nation
Kevin Eslinger, KRD
Joel Freudenthal, Yakima County
Mike Frey, Kennewick Irrigation District
Michael Garrity, Washington State Department of Fish and Wildlife
Don Gatchalian, Yakima County
Raelene Gold, Seattle Audubon, LWVWA
Andrew Graham, HDR Engineering, Inc.
Bob Hall, YBSA/Yakima Auto Dealers
Justin Harter, NSID
Tim Hill, Ecology
Joel Hubble, Bureau of Reclamation - Yakima Field Office
Agnes Ketchen, Yakama Nation
Chuck Klarich, YBSA
Walt Larrick, Bureau of Reclamation
Edward Lisowski,
Chris Lynch, Bureau of Reclamation
Larry Martin, Velikanje Halvorson
Chris & Samantha Maykut, Friends of Bumping Lake
Doug Mayo, Self-Employed
Keith McGowan, Bureau of Reclamation
Jean Mendoza, Friends of Toppenish Creek
Teresa Merriman, Bureau of Reclamation
Jim Milton, Yakima-Tieton Irrigation District
Bryan Myre, Yakama Reservation Irrigation District
Dave Nazy, Washington State Department of Ecology
David Ortman, Sierra Club
Elaine Packard, Water/Salmon Committee, Cascade Chapter, Sierra Club
Sage Park, Washington State Department of Ecology
Nicole Pasi, American Rivers/YBIP
Sarah Pistorese, HDR Engineering, Inc.
Joye Redfield-Wilder, Washington Department of Ecology
David Reeploeg, Office of Senator Maria Cantwell
Kristina Ribellia, Washington Water Trust
Tom Ring, Yakama Nation
Chad Stuart, Bureau of Reclamation
Richard Visser, US Fish & Wildlife Service

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@anchorqea.com.