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Meeting Notes

Yakima River Basin Water Enhancement Project Workgroup

September 16, 2021
WebEx Virtual Meeting

Welcome, Introductions and Agenda Overview

Ben Floyd, White Bluffs Consulting, welcomed the Yakima River Basin Water Enhancement Project (YRBWEP) Workgroup members and other attendees. The following notes summarize the YRBWEP Workgroup presentations and public comments. For more information, please see the full presentations available on the Integrated Plan website: [Yakima Basin Integrated Plan](#)

Memorial for Jack Eaton

Jack Eaton, a landowner in the Yakima River basin and YRBWEP partner, recently passed away. Walter Larrick, consultant to the Yakima Basin Joint Board, shared remarks about Jack. Jack and his wife Beneitta arrived in the Yakima River basin 72 years ago in 1949 to farm and develop their cattle ranch. They felt strongly about the irrigated agriculture and community in the basin and recognized the need for additional water storage. They attended YRBWEP Workgroup meetings from day one and provided valuable perspectives as landowners and ranchers committed to this process. They agree to explore the potential of selling some of their land to have another stored water supply in drought years, as long as they could continue to cattle ranch. Ecology and the Eatons have been engaged in negotiations for the purchase and sale of a portion of their land for this purpose. This commitment is Jack's legacy.

It was an honor to know Jack. He was a quiet, gentle leader, alongside his wife, with whom he was married for 75 years. Walter recited a poem titled "I'm just a Farmer Plain and Simple." The Workgroup observed a moment of silence to honor Jack Eaton.

Implementation Committee Update

Tom Tebb, Washington Department of Ecology, noted the United States Congress is working on an infrastructure bill. The Implementation Committee has been working with congressional representatives and their staff to ensure Integrated Plan projects would qualify for funds that may become available in an infrastructure bill being considering in Congress. Tom thanked Implementation Committee members, congressional Senators and Representatives, and their staff for the support and camaraderie. Tom also stated the Implementation Committee has construction- and design-ready projects to advance if additional funding becomes available through this or other opportunities.

Executive Committee Update

Wendy Christensen, Bureau of Reclamation, noted the Executive Committee provided an Integrated Plan update presentation to the D.C. Leadership Group in June. Tanya Trujillo, the Assistant Secretary

for Water and Science in the Department of the Interior, led the meeting, which included an Integrated Plan presentation and facilitated discussion with several agencies. In early September, The EC also briefed the U.S. Fish and Wildlife Service regional office, with a particular focus on the suite of bull trout recovery efforts included as part of the plan.

Also in September the Yakama Nation led a state legislature tour which visited the Cle Elum Supplementation Facility and the Cle Elum Dam Fish Passage construction site.

Questions and comments for Executive Committee Update:

Rick Dieker, Yakima-Tieton Irrigation District: What is the timeline for evaluating, and potentially approving, new projects proposed for the Integrated Plan through the adaptive management process?

- **Wendy Christensen:** *We have received YTID's proposal and will return a response letter soon. We are working with technical staff to review and will consult with the State and the Yakama Nation as well. We estimate a decision towards the end of October or early November.*
- **Rick Dieker** noted YTID has received supplemental funding to raise French Canyon Dam as part of Reclamation's WaterSMART program and is committed to improvements that help everyone.

Subcommittee Updates

Water Use Subcommittee

Scott Revell, Roza Irrigation District and Chair of the Water Use Subcommittee, displayed the 2021 – 2023 State biennium budget for water conservation projects and briefly described each project. The Subcommittee recognizes the importance of the municipal conservation component as a core element of the Integrated Plan, even though the total water savings is much less than agricultural conservation.

Groundwater Subcommittee

Michael Callahan, Washington Department of Ecology and Chair of the Groundwater Subcommittee, stated the Subcommittee is determining their recommendations for State funding. No funding amounts are available yet, but the Subcommittee expects to finish later this month. The total funding request will be less than \$2 million. The Subcommittee is tracking Taneum Creek managed aquifer recharge (MAR) and stream monitoring at other MAR sites. These projects were described at the June 2021 Workgroup meeting. The Subcommittee is also advancing discussions for potential aquifer storage in new places. The Moxee and Ellensburg areas have been candidates for aquifer storage for quite some time and the Subcommittee is excited to begin studies in these areas.

Habitat Subcommittee

Jeff Tayer, Washington Department of Fish and Wildlife and Chair of the Habitat Subcommittee, described the State biennium habitat project list. This list mostly focuses on salmon and steelhead in reaches below the large dams to the mouth of the Yakima river. Jeff noted project sponsors have been successful in leveraging funding to complete habitat improvement projects; the \$5 million in from the State is just a fraction of the funding going towards habitat projects thanks to cost sharing. The Subcommittee is also monitoring progress on the Nelson Dam replacement project.

Jeff noted the Subcommittee also recommends a suite of actions for Bull Trout not listed here, some of which were discussed at the June 2021 Workgroup meeting. The Habitat Subcommittee is beginning to update its 10-year plan. The Subcommittee will use knowledge learned during implementation over the last 10-year to better focus the plan for the coming decade.

To view the Subcommittee budgets for the 2021 – 2023 State biennium, see the “Subcommittee Budgets” PowerPoint presentation.

Questions and comments for Subcommittee Updates:

David Ortman: What percent of water users in the irrigation districts will pay for conservation projects?

- **Scott Revell:** *In most cases, the projects on the list are funded entirely by the State. However, as other funds become available the irrigation districts will use them appropriately.*
- **Urban Eberhart, Kittitas Reclamation District:** *KRD is not cost-sharing these projects, but saved water goes directly into the tributary supplementation program.*

Phase 2 Watershed Lands Plan

Peter Dykstra, Chair of the Watershed Lands Subcommittee, provided an update on the subcommittee and Executive Committee-approved Phase 2 Watershed Lands plan. Like the Habitat Subcommittee, the Watershed Lands Subcommittee recognized the availability of new partnerships, tools, and knowledge to integrate into future efforts, and thus developed a new 10-year plan. Peter recognized the contributions of non-Subcommittee members who provided valuable input in the planning process. Peter noted the key points of the Subcommittee’s mission: implement targeted watershed protections and enhancements, liaise with aligned entities, and advise on land-related issues in the Integrated Plan.

Key accomplishments over the past 10 years include acquiring 55,000 acres of forest land, which met the original Subcommittee forest lands acquisition goal. Once acquired, the Subcommittee participated in development of the Teanaway Community Forest Management Plan and Recreation Plan and has worked to secure funding for ongoing maintenance and stewardship. The Subcommittee has also assisted in acquisition of 7,375 acres of shrub-steppe lands, which is approximately 50% of the target. The Subcommittee developed a case statement for a Wild & Scenic river designation on the upper Cle Elum River.

The Phase 2 Plan builds on accomplishments and uses learned knowledge to further progress towards Integrated Plan goals. Out of those discussions arose three main components, described below.

Acquisitions

There remain parcels identified in the Phase 1 plan as alternates that deserve considerations for acquisition. Conserving and protecting those parcels can contribute to the goals of Integrated Plan. They were not previously pursued because the forest land acquisition target was met. The Subcommittee discussed whether continuing to pursue these parcels makes sense and has agreed to support evaluation and potential efforts to acquire additional lands. All potential parcels were identified in the Phase 1 plan. Currently, all parcels are owned by Central Cascades Forest LLC. Thus far, the Subcommittee has offered support for a U.S. Forest Service acquisition in the Manastash-Taneum watershed using Land and Water Conservation Fund moneys. The Subcommittee is currently exploring the acquisition potential for parcels on the Cle Elum Ridge and Domerie Creek Watershed.

Designations

The Subcommittee is reframing the designations element to look at landscape-scale goals and purposes of the Integrated Plan and identify the ways a designation can help achieve those. The Subcommittee reviewed landscape-scale designation models in other U.S. states that have been successful at achieving community goals. This method may improve synergy between forest health activities and watershed restoration. The Subcommittee is currently focusing on the Cle Elum watershed for a potential landscape scale designation. The Subcommittee will continue to consider the potential Wild & Scenic and Wilderness designations identified in the Phase 1 Plan as part of a larger landscape-scale designation.

Forest Health

The Subcommittee recognized that a focus on forest health could help achieve the goals of the Integrated Plan. Forest health activities are aimed at improving snowpack retention, reducing fire risk, improving forest health resiliency, and creating economic value with the community. This element is an opportunity to enhance synergies with the Tapash Forest Collaborative, the Western Water Enhancement Partnership, the Checkerboard Partnership, and other efforts in the basin.

The Subcommittee has identified taskforces for the acquisitions and designations elements, where experts are taking deeper dives into the proposed landscapes and options for achieving watershed protection goals. The Phase 2 Plan is available for review; contact Peter if you would like a copy. Peter thanked the stakeholders involved in the dialogue and planning process, including those who are not formal Subcommittee members who have spoken up and participated to develop the best possible plan. Jeff Tayer commented he is amazed at the breadth and scale of work in the plan. We cannot protect the water without protecting the watershed, so combining watershed protection with habitat work and fish passage is necessary for success.

Peter noted that not all conservation acquisitions happen through the Integrated Plan; the U.S. Forest Service has acquired lands in the basin since the Subcommittee began this process. When the Subcommittee hit its acquisition target, it stopped pursuing additional acquisitions as agreed, but partners have continued efforts through their own venues.

Questions and comments for Phase 2 Watershed Lands Plan:

Alex Conley, Yakima Basin Fish and Wildlife Recovery Board: What are the proposed wilderness designations and how were they determined?

- **Peter Dykstra:** *They were identified in the Phase 1 Plan as potential wilderness opportunities. The Phase 2 Plan moves forward those same proposals. These are identified as potentials, but no current proposal for designation exists yet. The Subcommittee is developing elements of a potential Cle Elum watershed designation that would go beyond just Wild and Scenic. The proposed lands come from a range of information such as existing forest plan documents. The specific Wilderness area designation opportunities were not developed and ground-truthed by the Subcommittee.*

Lower River Update, Yakama Nation Lower River Habitat Lead, and Next Steps

Jeff Tayer: The lower river focus was kicked off by fish survival statistics at Sunnyside Dam. Science from the U.S. Geological Survey, Yakama Nation, Reclamation suggests high mortality in the lower river is key to address if the Integrated Plan is to succeed. Jeff acknowledged Jason McShane, Kennewick Irrigation District, as a key leader in this coordination. Jason expressed his appreciation for

work from Workgroup members, the Lower River Subgroup, and other basin partners; putting significant effort into several activities.

Pat Monk, Bureau of Reclamation, is a fish biologist at the Yakima Field Office. He provides flow management and recommendations for fish flows and is also responsible for fish passage facilities at diversion dams. Pat also the administrators the Lower River Smolt Outmigration Study with much of the on-the-ground work conducted by the U.S. Geological Survey and Yakama Nation.

Pat described the salmon tagging summary and study area release sites. The 2021 study focused on survival at Sunnyside Dam. Pat pointed out the large sluice gate adjacent to headgate on the dam controls water into the canal. He described the function of the dam and noted several points where fish may be injured.

The guidance boom (installed March 2021) effectiveness results indicate that 2020 was particularly high for entrainment, which was reduced in 2021 indicating the boom is effective. The proportion of Yakima River water entering the canal has a lesser effect on the probability of fish entering the canal with the addition of the guidance boom at all flow levels. This is a positive result, though mortality remains high at high flows. Sluice gate improvements next year are expected to further improve conditions.

The project team is conducting similar studies at Prosser Dam and Chandler canal. Mark Johnston, Yakama Nation, described mortality problems with the Prosser headgates. The project team is planning to study these issues by operating the headgates at various opening settings.

The presenters displayed an example of fish booms and netting in Baker Lake, WA. They described several long-term infrastructure needs related to fish at diversion dams.

Danielle Squeochs, Yakama Nation, noted that the Tribe has hired Chris Perra as the lower river habitat project lead. Chris has a background in hydrogeology from the University of British Columbia with a masters from Saskatchewan. Chris previously worked in the Yakima River basin on the Ecology drought response team. Chris is glad to be back working in the basin and Workgroup members welcomed him. Chris can be reached at perc@yakamafish-nsn.gov.

Questions and comments for Lower River Update

Tom McDowell, U.S. Fish and Wildlife Service: At Sunnyside Dam, why does probability of entrainment reduce when the canal flow proportion rises above 0.6?

- **Toby Koch, U.S.G.S.:** *We do not have a full flow range where we observed fish entering the canal. Also, the guidance boom was deployed ahead of the sluice gate replacement which could be causing dead water at the end of boom and affecting fish entering canal. There is no clear answer yet.*

David Ortman: These studies focus on smolt survival, so why weren't fish agencies like NOAA Fisheries, WDFW, and USFWS involved as lead agencies?

- **Pat Monk:** *These agencies were involved as technical advisors to the group overseeing the work. Every agency has their own role, and NOAA doesn't do lots of field work in the basin.*

General Public Comments

Chris Maykut, Friends of Bumping Lake:

What is the status of questions I asked at the prior (June) YRBWEP Workgroup meeting?

- *The Q&A is in the notes and we'll provide directly to Chris.*

What is the status of the potential Eaton Ranch purchase? This was in funding request to the State this year.

- *Ecology continues to have regular communication and discussion on the potential purchase and sale agreement with the Eaton Family.*

John Reeves, Lake Kachess Property Owner: The theme John wants to address is trust and transparency. John feels like he's watching a shell game. He sees funding and talk about conservation, but the significant budget, on the scale of billions of dollars, is in dams and pumps. John noted Kachess Dam safety modifications is not on this agenda. John wants Federal representatives to know that no one in the town of Easton was notified of the safety modifications to Kachess Dam. We had only 30 days for notification.

John noted there are three active Bull Trout populations in Kittitas County, two of which are in Kachess. Speaking directly to the representatives, John stated there's no need to put money towards the Kachess Drought Relief Pumping Plant because Roza Irrigation District has committed to funding the project, even though Washington State has provided \$1 million. Keechelus Reservoir did not fill this year.

John requests the June minutes add that Peter Dykstra filed an amicus brief on behalf of the Yakima Basin Joint Board. Mr. Dykstra filed an amicus brief on behalf of Trout Unlimited, which submitted its amicus position jointly with the Yakima Basin Joint Board, and his work on that brief was under an agreement separate from his work on the Yakima Basin Integrated Plan. The June meeting minutes are accurate.

David Ortman: Tom Tebb noted there are several projects to advance through a potential federal infrastructure bill. It would be helpful if a list could be provided along with status of environmental review.

Taxpayers are putting \$100 million into the Cle Elum fish passage helix. The Yakima Herald carried a story about heat in the Columbia River and its impacts on salmon. The Lower Yakima River temperatures are in the 80s. Salmon can't live there. Adult sockeye are dying because the Columbia is too hot. The smolt survival study didn't address sockeye in lower Yakima. When will the Workgroup address how sockeye are supposed to make the return trip to Cle Elum Dam given the temperature barrier? Removal of snake river dams should be an obvious thing to support.

Ben Floyd: *The adult sockeye study is on-going and its purpose is to identify upstream migration challenges for adult sockeye (e.g., predation, thermal barriers, false attraction, etc.). This study and past research have identified that temperature does limit passage during the summer when river temperature rise above a certain temperature, however, adult Sockeye do migrate upstream before the river temperature gets too high and they can also hold in the Columbia River until the Yakima River cools down. Due to the hot river temperatures this year when we would normally capture fish for the study, Reclamation decided to stop the study and resume it next year. Reclamation will also be starting a separate study this year to identify how water management can be used under the right environmental conditions to enhance Sockeye migration.*

Raelene Gold: How does the Schneider Springs fire impact evaluation of raising the Bumping Lake dam and designation of wilderness areas?

- *The Schneider Springs fire does not impact the evaluation of raising Bumping Lake dam.*

Technical Projects Update

Cle Elum Pool Raise

Dave Empel, Bureau of Reclamation, is the project manager. Dave displayed images from Wish Poosh campground construction and plan for fall 2021 shoreline protection construction. The Salmon La Sac road embankments were completed at end of August. The Sandelin Lane shoreline protection project was recently awarded. Dave displayed all the areas identified in Environmental Impact Statement. Once all areas are addressed, Reclamation can raise the reservoir pool level. The team expects project completion in spring 2025.

Unit 2 Modernization – Toppenish Creek Diversion

Richard Dills, Yakama Nation, described the proposal for a new Toppenish Creek diversion as part of the modernization and water conservation plan. Richard displayed the structure and flow pattern of Unit 2 and noted that water is pumped into Unit 2 from Toppenish creek. During drought conditions, not enough water flows in Toppenish Creek to divert to Unit 2. The proposed solution is to build a new diversion which would pump water from the Marion drain directly to the Unit 2 feeder canal. This could minimize diversions from Toppenish Creek and eliminate water mixing in the creek from the Marion Drain.

Richard described physical setting and planned construction process for the proposed alternative: a series of concrete weirs in a concrete lined channel combined with a radial gate for flushing flow. The total estimated construction cost is \$3.7 million, \$1.5 million of which is Integrated Plan funding from Ecology.

Questions and comments for Technical Projects Update

With the three-foot pool raise, how many days will the reservoir be at maximum elevation?

- *Dave Empel: This is weather dependent, and the reservoir may not reach full pool every year. Reclamation expects a maximum of two to three weeks at maximum elevation.*

Workgroup Roundtable

Wendy Christensen, Bureau of Reclamation: Wendy appreciates Walter honoring Jack and Beneitta Eaton. Very well done. Those who met Jack know how personable he was. Wendy thinks the world of both. There were many great presentations today. Wendy thanked Peter Dykstra for his leadership and comprehensive watershed view. The presentation reminded us that everything is interconnected. Pat Monk has done a good job on the lower river. The Yakama Nation, USGS, and Irrigation Districts have shown great leadership. Special thanks to Dave Empel for making progress on the Cle Elum pool raise and Richard Dills for Unit 2. Wendy thanked Kittitas County for their assistance to implement Salmon La Sac road shoreline protection (Cle Elum Pool Raise).

Tom Tebb, Washington Department of Ecology: Tom thanked the presenters and appreciated Walter's memorial for Jack. Regarding the question about negotiations for the Eaton Ranch purchase, we are close to conclusions but have taken a pause to let the family grieve. We will reengage in a few weeks when the family has had time to adjust to the situation.

Melissa Downes, Washington Department of Ecology: Ecology has hired Kevin Haydon for the Reclamation YRBWEP Liaison position. Kevin comes from previous state service with the Department of Natural Resources. He has a background with water rights and resources with Washington Water Trust. We will introduce him at the December Workgroup meeting.

Arden Thomas, Kittitas County: On August 26, Kittitas County completed acquisition of its second Floodplains by Design-funded property. This is complementary to the Schaake property restoration project. The County now owns a collection of publicly held lands along the river which opens more opportunities for reach-scale floodplain restoration. We can better avoid developing in harm's way and improve recreation opportunities. The County acknowledges the good work occurring throughout the basin; it's clear how critical the lower river work is for capitalizing on good work in the upper watersheds.

Urban Eberhart, Kittitas Reclamation District: Urban stated he was fortunate to have grown up across the fence from the Eaton family. He rode on a school bus with several of the Eaton children. They are a special family and Urban appreciates the time he's had to interact with them. Jack wanted to provide the opportunity to make things better for agriculture in the Yakima River basin. His heart was in the right place. Urban reminisced over Jack's tasty tongue mustard sandwiches.

We must have a sense of urgency for the Integrated Plan. We must do everything we can while we're here: establish climate resiliency and set up our ecosystem and society for survival in the next centuries. The time is now. Collaborative governance through civil discourse, trust, friends, and a common goal is how we'll survive in this subbasin on the Columbia. Eventually, the entire Columbia River system will do something similar. The Integrated Plan will be the example for how environmental benefits are going to be provided throughout the west. Urban has put almost his entire life into it and proud to have done so. We are the example. We will be resilient to climate change.

Maddie Roy, Washington Department of Agriculture: Maddie thanked presenters and the recognition of the Integrated Plan's importance to agriculture. These collaborations are key to agricultural resilience and a healthy relationship to the ecosystem.

Erick Walker, U.S. Forest Service: Erick is anxiously waiting for appropriations for the upcoming fiscal year. The result will influence how and where USFS can engage with the Integrated Plan, which Erick considers a priority in the forests. The USFS is also keeping an eye on the potential infrastructure bill, and how those moneys can support the Integrated Plan and other forest efforts in the Yakima River basin. We're always hoping to increase pace and scale of restoration work.

The USFS is still actively suppressing the Schneider Springs Fire. 102,000 acres have burned which includes wilderness, federal, state, and private lands. We've made good progress on suppression and the weather forecast is favorable. We will do a post fire evaluation and implement mitigation measures to safeguard values. We're also conducting a rapid assessment of the landscape to see what restoration opportunities can be done in the immediate future to further stabilize the lands to lessen impacts to the non-critical response efforts. During suppression activities, we frequently have to remove trees for several reasons. We can set aside cut trees which will be advantageous to projects identified in the Integrated Plan for aquatic improvements, stabilization, and other similar project. This allows quicker and cheaper mobilization than if procured from elsewhere.

Jeff Tayer, Washington Department of Fish and Wildlife: The Integrated Plan scope and scale is beyond anything Jeff has experienced in his career. A quick estimate of money spent on environmental improvements through the plan suggests we are well over \$300 million dollars in the first 10 years of the

plan. A lot of work goes into getting return on this investment. These challenges require big actions and big actions require big resources.

Larry Leach, Washington Department of Natural Resources: Work in the Teanaway Community Forest is going well. We've made good progress on elements in the management plan. Come visit the forest this fall and check out the great work!

Jason Romine, U.S. Fish and Wildlife Service: Jason thanked presenters for their great work. He thanked the partners for funding the study of the Sunnyside fish boom. This is an exemplary illustration of how fast partnerships can get things moving. It made a difference. Though not a home run, we can improve on what we have. Every little bit is going to help the situation for passing salmon in and out of the basin. The USFWS recognizes the significant issues of high temperatures and stargrass in the lower river.

Lisa Pelly, Trout Unlimited: Lisa thanked today's presenters. She noted that Workgroup members gave a great presentation to the USFWS several weeks ago. The bull trout presentation was one of the Integrated Plan's best presentation. Lisa, Urban, and Danielle received an email from Oregon water managers who are in awe of the work here. They want to stay in touch and get advice so their watershed planning groups can emulate what's happening here.

Peter Dykstra, Chair of Watershed Lands Subcommittee: Peter thanked everyone for the time to present on the Phase 2 Lands Plan. This is the product of numerous stakeholders excited about the future of the landscape of the Yakima River basin. Peter looks forward to implementing the plan. He acknowledged Cynthia Carlstad and Dan Graves as the facilitators of the process.

Alex Conley, Yakima Basin Fish and Wildlife Recovery Board: Alex thanked the team for bringing us together and facilitating our meetings. A strength of the Integrated Plan is the ability of partners to use the process to identify and address critical needs like the transition to focusing on the lower river. We'll continue to test this ability in the coming years. We expect a great coho run, but the worst steelhead run expected in the Columbia this year.

It's great to see connections between the Lands Subcommittee, the Tapash Forest Collaborative, and other forest plans. The core work on lands management is coming together.

We're seeing great work in the lower river. The interconnection between all elements is fascinating. We can work on fish passage, but water quality must be addressed as well. Also, it's great to see synergies emerge. For example, pulse flows that help outmigration can potentially remove stargrass at the same time. Evaluating these interactions and interconnections will be a good body of work coming up. It's complicated but valuable.

Adam Fyall, Benton County: No new news in Benton County; its been dry in the Tri-Cities. We received 1.66 inches of precipitation in January through August. Adam is excited about the stargrass removal project. State Senator Judy Warnick and State Representative Brad Klippert joined the debut of the stargrass harvester. The County is looking forward to the work next year. Adam has a video of the debut and can make photos available. Rachel Little with BCD is the key contact for this work.

Bret Walters, U.S. Army Corps of Engineers: The USACE has a small land footprint in the basin relative to other partners. It was great to see presentations today. For the Bateman Island project, the USACE is meeting next month with division headquarters staff. They will discuss alignment on scaling of measure and will again meeting on November 9 to discuss information to finish work on that study.

Danielle Squeochs, Yakama Nation: Danielle was happy to participate and hear the presentations. The Yakama Nation has reverted to phase two of COVID-19 restrictions. Danielle asks the Workgroup to be patient with the Yakama Nation as COVID continues to impact their work. She's looking forward to the future and hoping everyone is doing what we can to beat COVID. She's looking forward to meeting in person.

Scott Revell, Roza Irrigation District: A full water supply this year didn't mean we were without problems on farms. There was heavy water demand due to a dry spring. The heat dome creates water problems: apples are smaller, generally smaller yields, and quality suffered on several crops. There were significant dairy impacts, including reduced milk production. Hops yields are down.

Roza will run its water season to the very last day on October 20. Growers hope to improve winter hardiness for winter planning. There will be no piping project this year because the price of pipe spiked 70%. The district has several deferred maintenance projects, including three piping segments. Roza recognizes that salmon and steelhead recovery are key lower river issues.

Scott personally appreciated the Eaton's kindness. They indicated their desire to help farmers and continue long term sustainable agriculture in the valley. Scott is grateful for the hospitality they showed us when showing their land.

Upcoming Meetings

The next Workgroup meeting is scheduled for Wednesday, December 8, 2021. Meeting format will be WebEx virtual.

Attendance

Workgroup Members:

Ron Anderson, Yakima County

Wendy Christensen, Reclamation, Columbia-Cascades Area Office

Alex Conley, Yakima Basin Fish and Wildlife Recovery Board

Ron Cowin, Sunnyside Valley Irrigation District

Rick Dieker, Yakima-Tieton Irrigation District

Peter Dykstra, Chair of Watershed Lands Conservation Subcommittee

Urban Eberhart, Kittitas Reclamation District

Adam Fyall, Benton County

Larry Leach, Washington Department of Natural Resources

Mike Livingston, Washington Department of Fish and Wildlife

Wendy McDermott, American Rivers

Jason McShane, Kennewick Irrigation District

Sid Morrison, Yakima Basin Storage Alliance

Talmadge Oxford, Reclamation, Columbia-Cascades Area Office

Lisa Pelly, Trout Unlimited

Scott Revell, Roza Irrigation District and Chair of Water Use Subcommittee

Jason Romine, U.S. Fish and Wildlife Service
Madi Roy, Washington Department of Agriculture (alternate for Jaclyn Hancock)
Jeff Tayer, WDFW and Chair of Habitat Subcommittee
Tom Tebb, Washington Department of Ecology
Erick Walker, U.S. Forest Service
Bret Walters, U.S. Army Corps of Engineers
Arden Thomas, Kittitas County (Alternate for Cory Wright)

Other Attendees:

Marcella Appel, Benton Conservation District
Michael Callahan, Washington State Department of Ecology
Debbie Carlson, Bonneville Power Administration
Cynthia Carlstad, Northwest Hydraulic Consultants
Raechel Chandler, Washington Department of Ecology
Charlie de la Chappelle, Yakima Basin Storage Alliance
Stuart Crane, Confederated Tribes and Bands of the Yakama Nation
Raquel Crowley, Office of Senator Patty Murray
Seth Defoe, Kennewick Irrigation District
Jeanne Demorest, Reclamation, Columbia-Cascades Area Office
Richard Dills, Yakama Nation Engineering
Melissa Downes, Washington State Department of Ecology
Nathan Draper, Selah-Moxee Irrigation District
David Empel, Reclamation, Columbia-Cascades Area Office
Janine Empel, Reclamation, Columbia-Cascades Area Office
Kevin Eslinger, Kittitas Reclamation District
Rick Evans, Office of Senator Maria Cantwell
Ben Floyd, White Bluffs Consulting
Joel Freudenthal, Yakima County
Linda Friar, Bureau of Reclamation
Kathryn Furr, U.S. Forest Service
Chuck Garner, Bureau of Reclamation, Columbia-Cascades Area Office
Raelene Gold
Dan Graves, HDR, Inc.
Perry Harvester, Washington Department of Fish and Wildlife
Andrew Hart, U.S. Department of Agriculture
Kevin Haydon, Washington Water Trust
Joel Hubble, Kittitas Reclamation District
Mark Johnston, Confederated Tribes and Bands of the Yakama Nation
Isaac Kastama, Water Street Public Affairs
Brady Kent, Confederated Tribes and Bands of the Yakama Nation
Chuck Klarich, Yakima Basin Storage Alliance
Toby Koch, U.S. Geological Survey

Anna Lael, Kittitas County Conservation District
Walt Larrick, Yakima Basin Joint Board
Cassandra Leonard, Water Strategies LLC
Ann Lewis
Ed Lisowski
Ethan Lockwood, Washington Water Trust
Steve Malloch, Western Water Futures LLC (alternate for American Rivers)
Larry Martin, Velikanje Halvorson
John Marvin, Confederated Tribes and Bands of the Yakama Nation
Larry Mattson, Jacobs Engineering
Chris Maykut, Friends of Bumping Lake
Tom McDowell, U.S. Fish and Wildlife Service
David McKenzie, Kennewick Irrigation District
Merritt Mitchell-Wajeeh, Mid-Columbia Fisheries Enhancement Group
Jean Mendoza
Pat Monk, Bureau of Reclamation
Bryan Myre
David Ortman
Chris Perra, Confederated Tribes and Bands of the Yakama Nation
Cole Provence, Washington State Department of Ecology
Cindy Raekes, U.S. Fish and Wildlife Services
Joye Redfield-Wilder, Washington State Department of Ecology
John Reeves
Dennis Sandstrom, HDR, Inc.
Christine Schuldheisz, Bureau of Reclamation
Mike Schwisow
Jeanne Sheldon
Jenna Scholz, HDR, Inc.
Kelli Scott, Office of Representative Kim Schrier
Danielle Squeochs, Confederated Tribes and Band of the Yakama Nation
Bruce Sully, Bureau of Reclamation, Columbia-Cascades Area Office
Sara Vickers, Kittitas Reclamation District
Richard Visser, Bureau of Reclamation, Columbia-Cascades Area Office
Brian Webb, Geosyntec
Laine Young, Washington Department of Ecology

Where to Find Workgroup Information

Meeting materials, notes, presentations, and materials submitted during public comment for each Workgroup meeting will be posted on Reclamation's project website: (<http://www.usbr.gov/pn/programs/yrbwep/2011integratedplan/index.html>). A list of information sources, many available online, is also posted on the website.

If you need help finding an information source, contact those listed at the top of page 1 of these notes or Ben Floyd at White Bluffs Consulting, (509) 539-3366 or ben@whitebluffsconsulting.com.