



USDA NRCS Regional Conservation Partnership Program

Award Number 68-0546-17-518

RCPP # 1672

Yakama Nation

Project title: “Yakima Integrated Plan - Toppenish to Teanaway”

Progress Report #7

Reporting Period: October 1, 2019 – September 30, 2020



This River Runs Forever
Yakima Basin Integrated Plan

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Date: October 27, 2020

I. INTRODUCTION

The Yakima Integrated Plan – Toppenish to Teanaway (RCPP #1672) project was awarded to the lead partner, the Confederated Tribes and Bands of the Yakama Nation, in December 2016. The agreement for RCPP #1672 was signed and effective September 30, 2017.

The Yakama Nation is working closely with their co-lead, the Kittitas County Conservation District (KCCD). Projects and activities are split between two geographic priority areas: the Toppenish Creek and Satus Creek subbasins on the Yakama Nation Reservation, and several subbasins of the upper Yakima River in Kittitas County. The KCCD is the lead for all projects and activities in the upper Yakima River area, while the Yakama Nation leads all projects on the Reservation.

This project addresses critical needs for integrated conservation and restoration of fish and wildlife habitat, water quantity, and water quality in the Yakima River basin through two project objectives:

Objective 1 – Improve access to and quality of stream habitat, protect fish from entrainment in irrigations systems, and increase quality of and quantity of the water supply in the Upper Yakima and within the Yakama Reservation.

Objective 2 – Implementing easements and acquisitions through ACEP and HFRP and partner contributions to protect and enhance agricultural and forest lands in the Kittitas County watersheds to benefit water quality and habitat for ESA listed fish species.

These objectives will be achieved through EQIP, CSP, ACEP, and HFRP technical and financial assistance funds in the project award and with the contributions of other funds through the project partners.

Summary of FY20 Progress

Goals and Objectives	Accomplishments
<p><i>Objective 1 – Improve access to and quality of stream habitat, protect fish from entrainment in irrigations systems, and increase quality of and quantity of the water supply in the Upper Yakima and within the Yakama Reservation</i></p>	<p>KCCD – Provided technical assistance for several of the eight FY19 EQIP contracts as construction was initiated in this reporting period. Five were completed with practices certified. In addition, technical assistance was provided to one of the seven FY18 contracts as they implemented Irrigation Water Management practices.</p> <p>KCCD – The FY20 (third) sign-up for EQIP was initiated in October 2019, however the official sign-up deadline was moved to spring 2020 due to the roll out of CART. Technical assistance was provided to producers who rolled over or submitted new applications for 35 projects. KCCD worked with NRCS staff to complete screening and ranking criteria that were compliant with CART prior to issuing the press release in March 2020 for the sign-up deadline of April 17, 2020. The additional sign-up period resulted in one additional application. KCCD and NRCS staff worked together to screen and rank the applications. Four applications were contracted.</p> <p>YN-After working with Konrad Bomberger, decides beaver-based restoration is not appropriate for EQIP in the Yakama Reservation because the payments are too low. YN is proceeding with beaver-based restoration using other funding sources.</p> <p>YN-At 80% design for riparian restoration projects along the Yakima River. The design is being funded by partner contributions, YN plans to begin implementation of riparian planting in the fall of 2021.</p> <p>YN-Preparation for an EQIP contract has begun for meadow restoration at Starvation Flats meadow in the Dry Creek drainage. This contract will obligate the majority of habitat restoration funds in the RCPP agreement for Yakama Nation. The Starvation Flats project is scheduled for implementation in summer of 2021.</p> <p>YN-The Yakama Nation Engineering program is preparing for the design phase of installation of water conservation measures in winter of 2021/2022.</p>

<p><i>Objective 2 – Implementing easements and acquisitions through ACEP and HFRP and partner contributions to protect and enhance agricultural and forest lands in the Kittitas County watersheds to benefit water quality and habitat for ESA listed fish species.</i></p>	<p>KCCD – The ACEP-ALE sign-up was conducted in June and July 2018 and work on the agreement for the one application (from Kittitas County and Forterra for 276 acres) continued through FY2019 and into FY2020. An amendment to the RCPP agreement was necessary to transfer the ACEP-WRE funds to the ACEP-ALE project. The easement acquisition was completed in July 2020.</p> <p>KCCD – A Healthy Forest Reserve Program sign-up occurred during this reporting period. The sign-up deadline was October 31, 2019. One application was received and a site visit conducted with NRCS staff.</p>
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II. ACTIVITIES AND ACCOMPLISHMENTS

Activities and accomplishments are organized by eligible RCPP project areas and objectives.

A. Objective 1 - Improve access to and quality of stream habitat, protect fish from entrainment in irrigation systems, and increase quality of and quantity of the water supply in the Upper Yakima (Kittitas County)

In total, the first sign-up (FY18) for this RCPP project resulted in seven contracts for \$770,029 to address insufficient water-drought on 403 acres. Construction of the projects began in October 2018 and all were completed and certified by July 2019 with the exception of IWM practices that carry over into the following years. The FY19 sign-up for EQIP was conducted in November 2018. Screening and ranking criteria were only slightly modified from those used for the FY18 sign-up. Eight contracts were obligated for \$935,532 on 537 acres.



Figure 1. KCCD staff monitored installation of seven of the projects from the FY19 sign-up in this reporting period. They also assisted with certifying practices with the NRCS staff (right).

KCCD staff assisted producers with the implementation of the FY19 contracts. This included site visits during construction and monitoring of practice implementation under the guidance of NRCS staff (see Figure 1 above). Practices in seven of the contracts were certified complete during this reporting period, along with irrigation water management from an FY18 contract. Table 1 below summarizes the practices certified and funds paid on contracts from both the FY18 and FY19 sign-ups.

Table 1. The 15 contracts resulting from the FY2018 and FY2019 sign-ups have nearly all been implemented. This table summarizes the practices certified complete to date for both years sign-ups.

Practice	Units	Certified/Paid in FY 19		Certified/Paid in FY 20		Total to Date	
		Amount	Paid	Amount	Paid	Amount	Paid
430- Irrigation Pipeline	Ft	21,325	\$201,280	15,855	\$125,820	37,180	\$327,100
449- Irrigation Water Management	Ac	403.1	\$7,957	238.1	\$4,000	641.20	\$11,957
533- Pumping Plant	No	6	\$28,358	7	\$56,223	13	\$84,581
442- Sprinkler System	Ac	421.9	\$518,955	329.3	\$597,697	751.2	\$1,116,652
587- Structure for Water Control	No	4	\$13,479	4	\$11,628	8	\$25,107
			\$770,029		\$795,368		\$1,565,397

The FY20 sign-up was advertised beginning in October through direct contact to producers already on the prospective project list with KCCD, as well as on the [KCCD website](#), [KCCD newsletter](#) and through a press release to

local newspapers. Although an initial deadline of November 22 was advertised, that deadline was moved to April after the implementation of CART.

During the sign-up period, producers met with KCCD staff to complete the applications. There were 35 applications for the Insufficient Water-Drought pool, and none for either the Livestock pool or the Fish & Wildlife Habitat pool. Of these applications, 22 were submitted by producers with no previous EQIP contracts.

KCCD staff worked with NRCS staff to complete screening criteria that were compatible with CART. KCCD staff conducted a preliminary screening of the applications submitted to date in order to determine potential workload and to initiate conservation planning efforts. Eight applications screened high and were subsequently ranked for funding, but four were



Figure 2. KCCD 2019 newsletter mailed to more than 10,000 local residents advertising both the EQIP and HFRP sign-ups. The EQIP sign-up deadline was moved from November 22, 2019 to April 17, 2020 as required to accommodate the roll out of CART.

funded through contributions for various reasons. The other four applications were contracted. See Table 2 for a summary of the obligated funds.

Table 2 FY2020 Obligated funds by practice for four contracts.

Practice	Units	Amount	Obligated Funds
430- Irrigation Pipeline	Ft	18,436	\$108,901
449- Irrigation Water Management	Ac	189.8	\$7,421
533- Pumping Plant	No	6.0	\$39,243
442- Sprinkler System	Ac	189.6	\$219,240
587- Structure for Water Control	No	1.0	\$5,000
587- Structure for Water Control (fish screen)	No	1.0	\$861
			\$380,666

B. Objective 1 - Improve access to and quality of stream habitat, protect fish from entrainment in irrigations systems, and increase quality of and quantity of the water supply in the Yakama Reservation

YN-After working with Konrad Bomberger, decides beaver-based restoration is appropriate for EQIP in the Yakama Reservation because the payments are too low. YN is proceeding with beaver based restoration using other funding sources.

YN-At 80% design for riparian restoration projects along the Yakima River. The design is being funded by partner contributions, YN plans to begin implementation of riparian planting in the fall of 2021.

YN-Preparation for an EQIP contract has begun for meadow restoration at Starvation Flats meadow in the Dry Creek drainage. This contract will obligate the majority of habitat restoration funds in the RCPP agreement for Yakama Nation. The Starvation Flats project is scheduled for implementation in summer of 2021.

C. Objective 2 – Implementing easements and acquisitions through ACEP and HFRP and partner contributions to protect and enhance agricultural and forest lands in the Kittitas County watersheds to benefit water quality and habitat for ESA listed fish species.

Objective 2 started with a sign-up for the ACEP-ALE funding in July 2018. An application was received which was a joint proposal by Forterra and Kittitas County for 274 acres of irrigated pastureland bisected by a mile of Naneum Creek. The appraisal report was completed and agreed to by all parties in FY19. Funding for the easement acquisition required an RCPP project agreement amendment to move the ACEP-WRE funds into the ACEP-ALE category. The amendment was completed in June 2020 and easement closed in early July 2020. Kittitas County and Forterra provided the project match through the Washington State Recreation and Conservation Office (RCO).

A Healthy Forest Reserve Program (HFRP) sign-up was completed during this reporting period with a deadline of October 31, 2019. Significant outreach occurred including press releases, direct mail postcards, communications through partners. (e.g. Washington Farm Forestry chapter in Kittitas County) and posting on the KCCD website and Facebook page. One application was received from a landowner in the Teanaway watershed. A site visit was conducted with NRCS staff in October 2019. The application is at the State Office and is in process.



Figure 3. A Healthy Forest Reserve Program application for 86 acres in the Teanaway Watershed was received in this reporting period. A site visit occurred in October (left). NRCS's Heather Noel, Holly Taylor, Konrad Bomberger, and Dave Kreft discuss the ranking questions for the site (right).

D. Outreach

In addition to the aforementioned advertisements of the EQIP and HFRP signup, this RCPP project was shared with producers and the public through several outreach efforts and events in the Upper Yakima. KCCD staff included the RCPP project in presentations at the following meetings/events:

- Saddle Mountain Grower Meeting, February 4, 2020, (~60 Attendees)
- Organization of Kittitas County Hay Growers and Suppliers Annual Meeting, February 18, 2020 (~ 45 attendees)

- Soil Health Workshop, February 20, 2020 (~50 attendees)
- KCCD and Farm Bureau Joint Annual Meeting, February 27, 2020 (38 attendees)

KCCD maintains a webpage dedicated to this RCPP project (<https://www.kccd.net/rcpp-programs>) for producers to access information and learn about sign-ups. Also, KCCD continues to share the RCPP project and its progress with the Kittitas Voluntary Stewardship Program (VSP) Watershed Group as an avenue to implement practices recommended by VSP. The Watershed Group includes representatives of the Kittitas County Cattlemen, Kittitas County Farm Bureau, Organization of Kittitas County Hay Growers and Suppliers, and producers from different areas and farm types (e.g. dryland, irrigated, upper county, lower county).



Figure 4. KCCD's Anna Lael presenting at the Saddle Mountain Grower Meeting, February 2020.

Additional outreach was impacted by COVID-19 restrictions. Events planned for 2020 were cancelled reducing outreach opportunities significantly.

E. Monitoring

This project leans heavily on existing monitoring programs in the watershed including monitoring of fish runs, stream flow, and water quality as well as conservation practice implementation on agricultural lands impacting critical areas.

1. Stream Flows

The KCCD continues to monitor stream flow in Manastash Creek as part of the Manastash Creek Restoration Project. In the summer of 2019, a stream gauge was installed with the help of USGS to provide continuous flow monitoring above the irrigation diversions. This data collection is very helpful to staff operating the irrigation diversions, but also as work continues to acquire instream flow from willing sellers in Manastash Creek. Efforts continue to acquire winter stockwater in order to benefit Mid-Columbia summer steelhead.

The 2020 season saw a continuation of the Kittitas Reclamation District (KRD) stream supplementation program in Manastash Creek and several other tributaries to the Yakima River. As has occurred since 2015, the supplementation begins in April when KRD turns on and continues to at least November. KCCD staff continue to collect measurements in Manastash Creek and in September 2020, recorded the lowest flows ever occurring in the decade of monitoring. This demonstrates the need for the supplementation program as it is essential to maintaining continuity in the migration corridor of lower Manastash Creek and maintaining the riparian area that has been recovering since 2015.

2. Fish Runs

Although there are multiple anadromous species in the Yakima River watershed, the efforts of this project are focused on Mid-Columbia Steelhead. Within the watershed there are four identified populations, Satus Creek, Toppenish Creek, Naches River and Upper Yakima River (primarily Kittitas County). The Upper Yakima population of ESA-listed Middle Columbia River steelhead has generally been increasing since ESA listing in 1999. Steelhead survival through the Columbia River hydrosystem has improved. Tributary habitat, such as that in the Yakima Basin, has generally improved with restoration, although it is unclear how much offsetting impact has occurred in tributary habitats from ongoing development. According to most recent status review for the species, additional tributary habitat restoration will be needed to achieve recovery.¹ Cycles of increasing and decreasing abundance have generally mirrored those across the Columbia Basin and are related to a combination of drought and changing ocean conditions. The most recent downturn in adult abundance is thought to be driven primarily by marine environmental conditions and a decline in ocean productivity. Increased abundance of sea lions in the lower Columbia River could also be a contributing factor.²

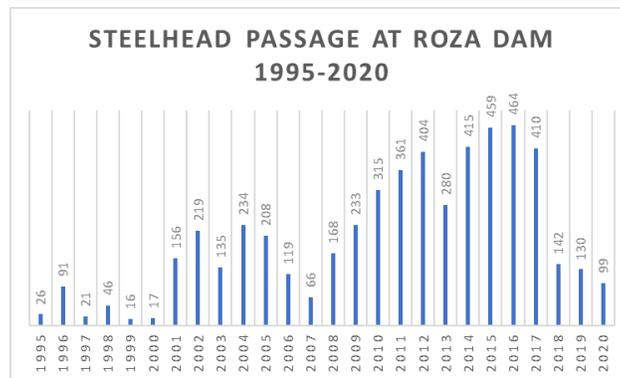


Figure 5 Steelhead detected at the Roza Dam fish ladder on the Yakima River between 1995 and 2020 (to date). Data downloaded from http://www.cbr.washington.edu/dart/query/adult_daily on October 23, 2020.

The Yakama Nation and Washington Department of Fish & Wildlife have monitored fish runs in the Yakima River for many years. PIT (Passive Integrated Transponder) tags are used to identify individual fish. Antennae arrays and readers are installed in streams and rivers to detect tagged fish as they migrate past. In the mainstem Yakima River, the Prosser Dam (lower Yakima) and Roza Dam (Upper Yakima) monitor fish and have recorded falling steelhead returns from a peak recorded in 2016 (see Figure 5).³

¹ NMFS. 2016. 2016 5-Year Review: Summary and Evaluation of Middle Columbia River Steelhead. NMFS West Coast Region. Portland, Oregon. <https://www.fisheries.noaa.gov/resource/document/2016-5-year-review-summary-evaluation-middle-columbia-river-steelhead>

² NMFS. 2020. Biological Opinion for Operation and Maintenance of the Fourteen Multiple-Use Dam and Reservoir Projects in the Columbia River System. NMFS West Coast Region. Portland, Oregon. <https://www.fisheries.noaa.gov/resource/document/biological-opinion-operation-and-maintenance-fourteen-multiple-use-dam-and>

³ Data downloaded from Columbia Basin Research DART (Data Access in Real Time) at http://www.cbr.washington.edu/dart/query/adult_daily on October 23, 2020.

PIT arrays within the tributaries are showing that reaches with restored fish passage do have fish present including mid-Columbia Steelhead, Spring Chinook and Coho salmon. This monitoring is extremely valuable to confirm the impact of restoration projects like those included in this project. PIT arrays have been maintained for several years in the Teanaway River, Taneum Creek and Manastash Creek. In 2019, the tributary monitoring effort expanded through a partnering effort between the KCCD, Kittitas Reclamation District, the Yakama Nation, Washington Department of Fish & Wildlife, and US Fish & Wildlife Service. There are now PIT arrays in Big Creek, Little Creek, Tucker Creek, Tillman Creek, Swauk Creek and Wilson Creek. 2020 season data is not yet available for review.

In addition to the PIT arrays, crews coordinated by the Kittitas Reclamation District have conducted electro-fishing surveys in tributaries in the last three years. These surveys have found juvenile anadromous fish (Coho and Spring Chinook) in several tributaries as well as juvenile o.mykiss in all the tributaries.

3. Water Quality

Water quality monitoring is ongoing in the upper Yakima with the Kittitas County Water Purveyors continuing to sample streams and canals for turbidity. In 2019, the Washington Department of Ecology conducted TSS and turbidity monitoring as part of a final report card for the Upper Yakima Suspended Sediment TMDL. Raw data is available, but Ecology’s analysis and report is still being drafted. The Kittitas County Water Purveyors data indicates a downward trend for turbidity at the Wilson Creek at Canyon Road site, a compliance point for the Upper Yakima River Basin Suspended Sediment, Turbidity, and Organochlorine Pesticide Total Maximum Daily Load (see Figure 6).

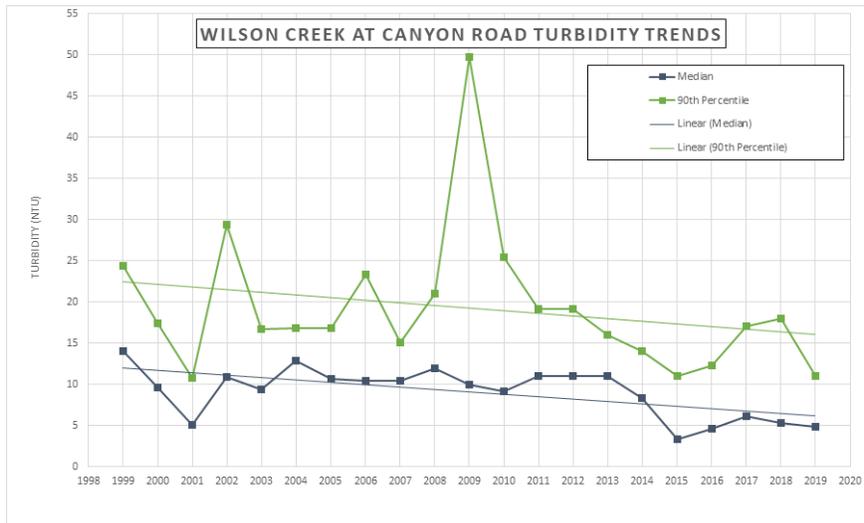


Figure 6 Wilson Creek at Canyon Road is a compliance point for the Upper Yakima River Basin Suspended Sediment, Turbidity, and Organochlorine Pesticide Total Maximum Daily Load (TMDL). The Kittitas County Water Purveyors have sampled this location continuously for two decades and their data shows a downward trend for turbidity. The watershed above this compliance point contains approximately two thirds of the cropland in the Kittitas Valley.

In addition to the TMDL compliance points, the KCWP also samples at several locations on various tributaries, establishing background location and comparing the sites. This information is helpful in targeting the financial assistance to producers, particularly the irrigation system upgrades to sprinklers that reduce return flow to streams and waterways.

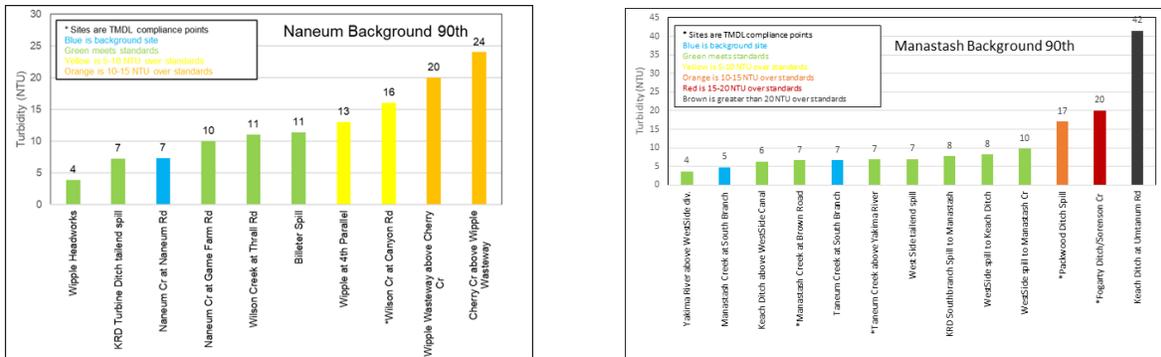


Figure 7 KCWP samples at various locations on tributaries to monitor turbidity levels. The charts above contain 2019 data for cropland east of the Yakima River (Naneum) and west of the Yakima River (Manastash). The TMDL set the compliance at 5 NTU over background for tributaries. Note the blue for the background sites and then a color scale for the other locations including green for within 5 NTU, yellow for 5-10 NTU over, orange for 10-15 NTU over, red for 15-20 over, and brown for more than 20 NTU over background.

4. Conservation Practice Implementation and Critical Areas

In addition to existing field monitoring efforts, KCCD facilitates the Kittitas County Voluntary Stewardship Program (VSP) Watershed Group who completed a VSP Work Plan⁴ in 2018. The Work Plan addresses agricultural activities in defined critical areas. A primary critical area is fish and wildlife habitat conservation areas which emphasize anadromous fisheries. In the Upper Yakima watershed, nearly all of the agricultural activities directly or indirectly impact anadromous fish (e.g. steelhead, spring chinook, coho, etc.). The VSP Work Plan sets out a process for gathering information from producers and reporting back on a 2-year, 5-year and 10-year schedule. The 2-year report was submitted in 2019⁵. The next reporting deadline is November 2020, which is the 5-year report.

III. PARTNERSHIPS

The partners of this RCPP project include the KCCD as the lead for activities in the Upper Yakima watershed. KCCD coordinates directly with those partners who's administrative, technical and financial assistance are committed to success of this RCPP project. KCCD and the Yakama Nation also provide regular reports to the Yakima Basin Integrated Plan (YBIP) and Yakima River Basin Water Enhancement Project (YRBWEP) Workgroup quarterly which is shared via email with 400 interested parties (including all partners of this project). In addition, KCCD reports monthly to the Yakima Tributary Access &

⁴ VSP Work Plan is available here: <https://www.kccd.net/voluntary-stewardship-program>

⁵ Kittitas County VSP Biennial Report 2017 to 2019 is available here: <https://www.kccd.net/voluntary-stewardship-program>

Habitat Program Core Team; and shares information at other relevant local meetings where existing partners or new potential partners are in attendance.

The administrative, outreach and monitoring components have primarily been funded by the Washington State Conservation Commission and the KCCD's local funds. See Table 3 for a detail list of these contributions.

Table 3. Administrative, Outreach, and Monitoring Contributions for Objective 1

Partner & Category	Activity	FY20 Contribution	Previously Reported Contributions	Total Contributions
Kittitas County Conservation District - Administration	KCCD Rates (local) funding for overhead for all RCPP technical assistance staff time, and for administrative activities for District Manager, Financial Manager including reimbursement requests, reporting, etc.	\$1,083	\$24,527	\$25,610
WA State Conservation Commission - Administration, Outreach and Monitoring	RCPP Contribution Grant - Funding of administrative activities for District Manager, Financial Manager including reimbursement requests, reporting, etc.; and for outreach and monitoring activities.	\$11,146	\$20,128	\$31,274
WA State Conservation Commission - Outreach and Monitoring	Voluntary Stewardship Program - Facilitation of the Watershed Group and beginning implementation of the approved work plan to address protection and enhancement of critical areas where agricultural practices occur while maintaining the viability of agricultural. This includes work directly with partners monitoring fish presence in tributaries of the Upper Yakima.	\$26,530	\$194,463	\$220,993
WA State Conservation Commission - Outreach	Implementation Grant- Funding of outreach activities (newsletter, website, grower meetings).		\$775	\$775
WA State Department of Ecology - Monitoring	Grant to Kittitas Reclamation District for Stream Supplementation efforts		\$27,600	\$27,600
Total Administration, Outreach & Monitoring		\$38,759	\$267,493	\$306,252

KCCD and partners continue to develop and implement projects that achieve Objective 1 of the RCPP project including irrigation improvement projects, fish screen installations, fish passage improvements, and riparian habitat improvements. Table 4 below summarizes the technical assistance activities and contributions and Table 5 summarizes the financial assistance contributions of all partners. The contributions are primarily what was expected, although new projects and activities have emerged since the RCPP agreement was executed in 2017. The Kittitas Reclamation District (KRD) is working to complete canal lining projects that will benefit both the producers on their system and instream flow as a portion of the water saved will be placed in Manastash Creek. KRD is continuing their stream supplementation program that provides flow in several tributaries to address passage in the lower reaches of those tributaries and

ensure access to higher elevation stream habitat. There are also contributions through the Fish Barrier Removal Board, a relatively new entity managed by the Washington Recreation & Conservation Office. KCCD has been awarded a total of four grants to address irrigation diversions that are both unscreened and fish passage barriers. This funding source will continue to be pursued for additional similar projects with producers in the Kittitas Valley.

Table 4. Partner funded technical assistance activities and contribution amounts for Objective 1 of the RCPP project in the Upper Yakima priority area for FY20.

Partner & Category	Activity	FY20 Contribution	Previously Reported Contributions	Total Contributions
Kittitas County Conservation District - Technical Assistance	Yakima Tributary Access & Habitat Program - fish screen/passage/habitat project identification, development, and design.	\$162,145	\$400,859	\$563,004
WA Department of Ecology - Technical Assistance	Manastash Creek flow and diversion monitoring and pipeline operations.	\$40,116	\$373,390	\$417,302
	Stockwater Acquisition on Manastash Creek – continuing to work with producers and partners to structure an acquisition of stockwater that maintains producers water rights.	\$3,796		
WA Department of Ecology - Technical Assistance	Grant to develop and construct on-farm irrigation efficiencies upgrades on tributaries to the Yakima River	\$12,712	\$631	\$13,343
WA Department of Ecology - Technical Assistance	Grant to Kittitas Reclamation District for South Branch lining project.		\$388,250	\$388,250
WA State Conservation Commission - Technical Assistance	Irrigation Efficiencies Program – Technical assistance to continue to identify and develop projects for this program.	\$17,019	\$32,348	\$49,368
	Implementation Grant – Technical assistance to local producers participating in small project cost share and to provide general assistance related to water quality improvements.	\$5,475	\$26,455	\$31,930
	Natural Resources Investment – Technical assistance to local producers participating in project cost share related to water quality improvements.	\$1,328	\$6,755	\$8,083
	Cultural Resources – Technical assistance funding to complete cultural resources reviews for Natural Resource Inventory and Implementation grant cost share projects.		\$25,050	\$25,050

	RCPP Contribution Grant - Technical assistance to local producers for projects achieving objectives of RCPP project. During this reporting period, this also includes TA work by KCCD staff for the EQIP contracts and applications.	\$170,024	\$98,502	\$268,526
	VSP Grant - Technical assistance to local producers for projects achieving objectives of VSP	\$26,186	\$25,284	\$51,470
	2019 Drought Technical Assistance grant to assist producers, irrigation companies and districts with drought conditions	\$14,935	\$70,921	\$85,856
Recreation & Conservation Office - Fish Barrier Removal Board	Coleman Creek 3.41 Project to address fish screen and fish passage in Olmstead Park including engineering & design	\$1,561	\$6,069	\$7,630
	Parke Creek Project to address fish screen and fish passage related to two irrigation diversions.	\$1,244		\$1,244
	Kittitas County Public Works - Coleman Creek at Vantage Hwy Passage Design (RCO 19-1628)	\$180,000		\$180,000
Total Technical Assistance		\$636,543	\$1,454,515	\$2,091,058

Table 5 Partner funded financial assistance contributions for Objective 1 in the Upper Yakima for FY20.

Partner & Category	Activity	FY 20 Contribution	Conservation Practices Implemented	Previously Reported Contributions	Total Contributions
Kittitas County Conservation District - Financial Assistance	Yakima Tributary Access & Habitat Program - cost share/construction funds for one project that consolidated two diversions to one location where a diversion was reconstructed to include a fish screen and fishway for passage (serving 3 producers), and removal of the abandoned concrete diversion with restoration of the stream channel; and one pump station and fish screen project (1 producer).	\$72,194	396 – Aquatic Organism Passage (2 each) 587- Structure for Water Control (fish screen) (4 each) 533 - Pumping Plant (1 each)	\$171,136	\$243,329

Kittitas County Conservation District - Financial Assistance	KCCD Rates (Local) funds for Polyacrylamide Cost Share Program (3 Producers)	\$1,504	450 - Anionic Polyacrylamide (PAM) Application. (496 Ac.)	\$3,544	\$5,048
Kittitas County Conservation District - Financial Assistance	KCCD Rates (Local) funds for BMP implementation			\$3,630	\$3,630
WA State Conservation Commission - Financial Assistance	Natural Resources Investment – Financial assistance to local producers for project cost share related to water quality improvements. (1 producers)	\$50,000	443 - Pipeline (1650 feet) 442- Sprinkler (15 Ac.) 533 - Pumping Plant (1 each)	\$485,132	\$616,677
	Implementation Grant – Financial assistance to local producers participating in small project cost share (5 producers)	\$23,782	430 - Irrigation Water Pipeline, Rigid Gated Pipe (690 ft) 430 - Irrigation Water Pipeline, High Pressure, Underground (2000 ft) 442- Sprinkler (9.5 Ac.) 533 - Pumping Plant (2 each) 612- Tree & Shrub Establishment (0.25 Ac.) 484 – Mulching (0.25 Ac.)		
	RCPP Contribution Grant - Financial assistance to local producers for project cost share related to water quality improvements. (3 producers)	\$57,762	Electrical Service (5 each) 490 – Tree/Shrub Site Prep (5 Ac.)		
Kittitas County Public Works - Financial Assistance	Local Road funds for Polyacrylamide Cost Share Program (4 Producers)	\$1,796	450 - Anionic Polyacrylamide (PAM) Application. (449 Ac.)	\$3,302	\$5,098

WA Department of Ecology - Financial Assistance	O&M Reimbursements for operation of diversion facilities on Manastash Creek (1 irrigation association and 12 producers)	\$5,837	Operation of 587- Structure for Water Control (3 each)	\$693,404	\$3,390,143
	Manastash Creek Total Stream Flow Monitoring Station above irrigation diversions - Programming	\$6,300	587- Structure for Water Control (1 each)		
	MWDA Pipeline Meter to improve water management related to trust water and KRD supplementation	\$134,130	587 – Structure for Water Control (1 each)		
	KRD South Branch Lining Project	\$2,221,934	428 – Irrigation Ditch Lining (3524 feet)		
	Yakima Integrated Plan - Sprinkler Conversion Projects (3 Producers)	\$328,538	443 - Pipeline (800 feet) 442- Sprinkler (56 Ac.) 533 - Pumping Plant (1 each) 443 - Pipeline (980 feet) 442- Sprinkler (20.3 Ac.) 533 - Pumping Plant (1 each) 587- Structure for Water Control (Fish Screen) (1 each) 442- Sprinkler (62 Ac.) 443 - Pipeline (5,058 feet) 533 - Pumping Plant (1 each) 587- Structure for Water Control (1 each) 587- Structure for Water Control (fish screen) (1 each)		
WA Recreation & Conservation Office – Fish Barrier Removal Board	Coleman Creek 3.41 Project to address fish screen and fish passage in Olmstead Park	\$21,188	587 – Structure for Water Control Fish Screen (3.5 CFS) (1 each)	\$0	\$21,188
Total Financial Assistance		\$2,924,965		\$1,360,149	\$4,285,114

KCCD and partners continue to work on projects that achieve Objective 2 of the RCPP project including easements and property acquisition in priority areas including floodplains, floodways, and agricultural lands. Table 6 below summarizes administrative, technical and financial contributions to this objective. In addition to those funds, Forterra and Kittitas County secured up to \$937,500 for the ACEP-ALE application received in 2018. Those funds were expended in 2020.

Table 6 Partner funded activities and contribution amounts for the reporting period for Objective 2 of the RCPP project in the Upper Yakima priority area.

Partner & Category	Activity	Contribution	Previously Reported Contributions	Easement or Land Acquisitions	Total Contributions
Kittitas County Conservation District - Administration	KCCD Rates (local) funding administrative activities including meetings with NRCS staff, discussions with partners, etc.		\$1,671		\$1,671
WA State Conservation Commission	RCPP Contribution Grant - Funding of administrative activities for District Manager, technical assistance for applications, and for outreach activities.	\$35,364	\$3,416		\$38,779
Kittitas County Flood Control Zone District – Financial Assistance	Purchase of floodplain property on Ringer Loop to restore floodplain connection with Yakima River.		\$299,025	39.78 Acres in Yakima River Floodplain	\$299,025
Kittitas County – Financial Assistance	Purchase of the Teanaway Valley Family Farm property including 215 acres of agricultural land with a water right.		\$382,584	215 acres adjacent to the Teanaway Community Forest and including 9.2 acres of rearing and spawning habitat, 37.4 acres of riparian forest and wetland.	\$382,584
Department of Ecology – Financial Assistance	Purchase of the Teanaway Valley Family Farm property including 215 acres of agricultural land with 0.6 miles of the Teanaway River and a water right.		\$500,000		\$500,000
Forterra – Financial Assistance	Technical assistance for the Acquisition of an ACEP-ALE easement on the Hairpin Ranch.	\$59,765		Acquisition of an easement on 274 acres of agricultural land	\$59,765

Forterra – Financial Assistance	Acquisition of an ACEP-ALE easement on the Hairpin Ranch including 274 acres of agricultural land and nearly 1 mile of Naneum Creek.	\$828,000		Acquisition of an easement on 274 acres of agricultural land	\$828,000
Total for Reporting Period		\$923,129	\$1,186,696		\$2,109,824

Cumulatively, the contributions from Partners total \$8,792,651 to date. This is 94% of the total contributions for the RCPP project and 104% of the contributions committed by the Kittitas County Conservation District.

IV. INVOICING

Additional invoices have not been submitted due to the long lag time between incurring the costs at KCCD and receiving reimbursement for technical assistance. As a small entity, KCCD does not have the cash flow to withstand an unknown number of months delay in payment, particularly when that payment is primarily for payroll. Discussions occurred with NRCS staff regarding alternate methods for accessing the technical assistance funds, however no solutions have been successfully offered. Until a different method can be determined, the Washington State Conservation Commission continues to provide the critical funding support for these activities.