



RED RIVER
RETENTION AUTHORITY

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Red River Retention Authority
6 Month Progress Report

Reporting Period 10

November 21, 2019 through May 20, 2020

To

Natural Resource Conservation
Service

For

Regional Conservation
Partnership Program

NRCS Agreement 14-C-ND-669

June 2020

The Statement of Work between the USDA Natural Resource Conservation Service (NRCS) and the Red River Retention Authority (RRRA) summarizes the activities and responsibilities of the entities for the Regional Conservation Partnership Program (RCPP). Item 6, under responsibilities of the RRRA, requires that a semi-annual report be provided to the NRCS that documents project accomplishments and goals achieved. The Memorandum of Understanding (MOU) was signed on May 21, 2015.

On June 13, 2019 the NRCS and RRRA signed Amendment #1 which extends the MOU to May 20, 2021.

The following is an abbreviated update report that summarizes activities that occurred during the 6-month period from November 21, 2019 through May 20, 2020.

Numbers of WD, WRD and SLO assisted and/or cooperating agencies in the project effort.

The NRCS will provide a maximum of \$11,040,000 for the development of watershed protection plans within the approved project locations. Within the first reporting period, the RRRA was provided 23 applications to complete watershed protection plans following the guidelines described in the NRCS National Watershed Program Manual. The RRRA accepted the applications and approved 20 of the requests. They provided the 20 applications to the NRCS and requested that the NRCS pursue a cooperation agreement with the local sponsor of the project. One of the applications was not accepted, because the watershed was larger than allowed and two applications were withdrawn before an agreement was executed.

During reporting period 6 the Swan Creek Watershed ceased watershed planning and NRCS and the project sponsor has formally closed out agreement 68-6633-15-009. A final technical report was provided to North Dakota NRCS.

During reporting period 8 the Bois de Sioux Direct watershed sponsored by the Bois de Sioux Watershed District (agreement 68-6322-16-510) and Four Legged Lake watershed sponsored by the Red Lake Watershed District (agreement 68-6322-16-505) have formally written letters to NRCS requesting to cease watershed planning. The RRRA has agreed with both watershed districts (WD) reasoning to cease planning and has drafted a letter supporting their decision.

During reporting period 9 the Red Lake Watershed District requested to cease planning on Pine Lake watershed (agreement 68-6322-16-5035). The RRRA formally wrote a letter to NRCS requesting to cease watershed planning. The WD is currently working on drafting a final technical report.

It is anticipated that RCPP watershed planning will formally be ceased and final technical reports written and provided to the NRCS and RRRA from the Roseau River Watershed District, sponsors for Beltrami Island State Forest Watershed and the Forest River Joint Water Resource District, sponsors of the Forest River Watershed RCPP projects. Official cessation will likely be approved in reporting period 11.

A revised May 2020 map is shown in **Appendix 1** and details the location of the remaining 16 active RCPP studies and identifies the Beltrami Island State Forest and Forest River watersheds as being considered for cessation of planning. Fact sheets for each of the RCPP watersheds studies were developed for use by NRCS, RRRRA and SLOs. These fact sheets were posted to NRCS web sites and made available for use in July of 2018.

RCPP planning status reports have been developed by NRCS staff for both MN and ND. These reports have been updated for reporting period 10 (see **Appendix 2**). The RRRRA has updated their RCPP spreadsheet to show RCPP funds expended during the planning process and specifically for reporting period 10 (see **Appendix 3**)

Contributions from other agencies or organizations which help implement provisions of the agreement and further project objectives.

While SLOs work on RCPP watersheds, they also work on non-RCPP flood damage reduction and water quality efforts through other agencies and/or organizations that have a common vision for flood damage reduction in the Red River basin. A list of projects and the amount of assistance the SLOs and their partners have incurred during reporting period 10 are shown in **Appendix 4**

RCPP Watershed Education and Outreach Activities.

As outlined in the MOU Objective 2 the RRRRA completed tasks 1 through 5 as outlined in the agreement.

Through this agreement the following key deliverables were made.

- The development of 3,700 copies of a RCPP fact sheet.
- Mailing lists for over 8,600 producers and landowners in all 20 RCPP watersheds was developed.
- Two educational postcards sent to 8,269 producers and landowners in the first mailing and 8,644 producers and landowners in the second mailing in all 20 RCPP watersheds
- Fact sheet and postcards were posted to RRRRA website for further circulation
- The information and products developed were posted to the RRRRA website so the public could receive this information.
- Multiple bus tours of the basin were conducted in all three years of the agreement. Hundreds of individuals, both urban and rural were offered an opportunity to learn about RCPP watershed planning, soil health and drainage water management.
- Three SCD/SWCD conducted soil health educational meetings, workshops and/or tours.

- RRRRA partnered with MAWD, RRBC and RRWMB to conduct two summer tours highlighting DWM and soil health
- RRRRA attended seven major basin-wide conferences to share their and NRCS's efforts in RCPP watershed planning and provide outreach material on soil health and drainage water management. It is estimated that over 3,000 participants attended these events.
- RRRRA was a leading sponsor of the Ag BMP workshop held in April 2019 at the University of Minnesota Crookston campus. Approximately 160 leaders in soil and water conservation and water management participated in this international Red River Basin conference.
- Fact sheets for each of the twenty RCPP watersheds were developed through a cooperative effort between NRCS and RRRRA

The RRRRA has appreciated the close working relationship with the NRCS Red River Basin Coordinator through this MOU. This working arrangement helped to ensure good communication and coordination of flood damage reduction outreach activities.

Conclusion and Steps Moving Forward

The Watershed Districts and Water Resource Districts have spent approximately \$2,895,400 and NRCS \$6,756,029 during this RCPP planning process. During this past 6-month reporting period the Sponsors and NRCS have spent an estimated \$447,900 on planning efforts.

The sponsoring watershed districts and water resource districts and their partners have spent an estimated \$31,737,900 on non-RCPP water resource projects in the basin during this reporting period.

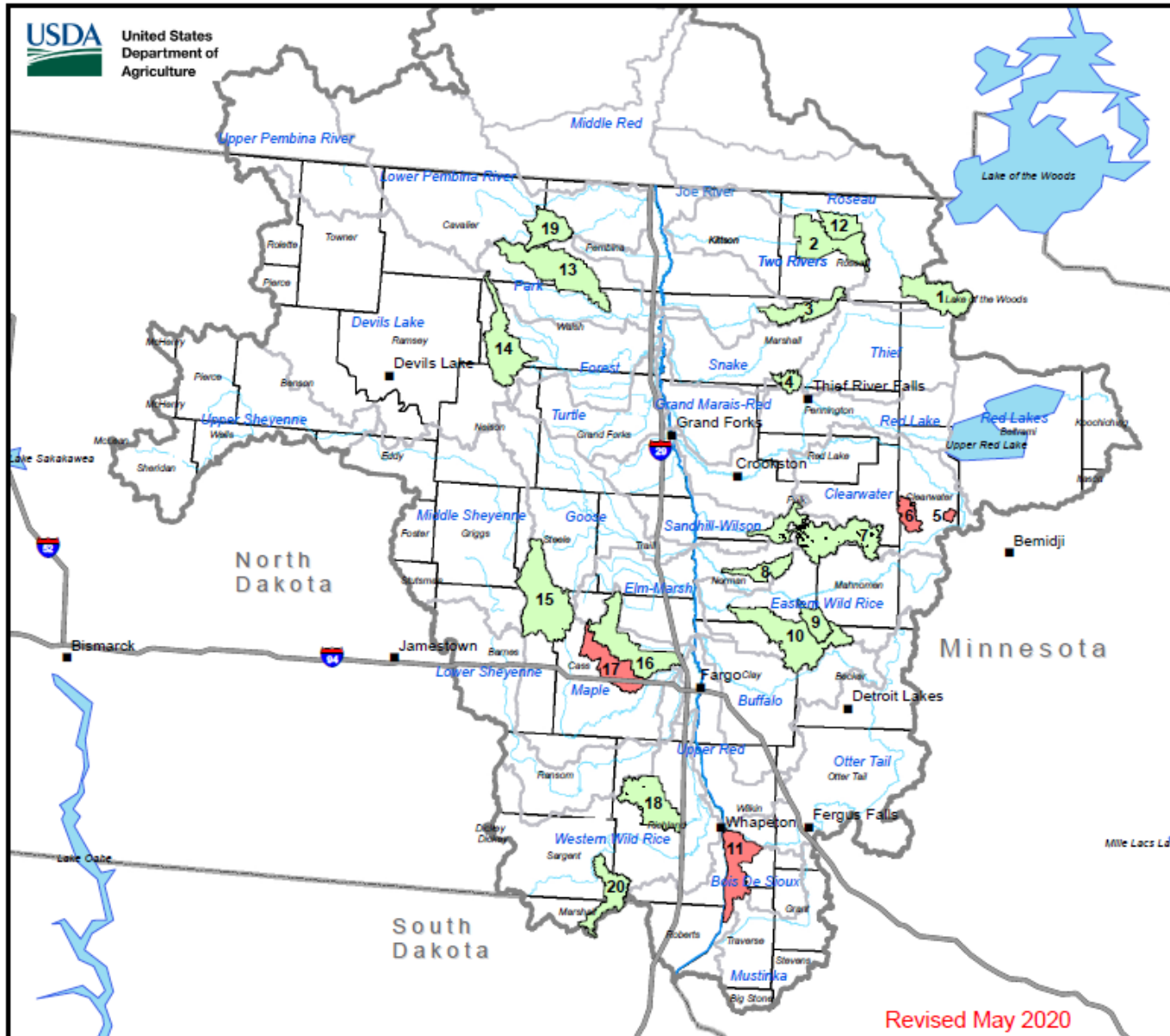
During this reporting period the following extension, amendments and actions have been approved or are being pursued by the sponsors and NRCS.

- 1) Roseau River Watershed District (RRWD) requested to amend the Whitney Lake watershed agreement a second time to add RCPP funds to complete a phase II cultural resources survey and to complete the final editing and technical review of the watershed plan/EA. This second amendment should be completed in June 2020.
- 2) Seven of the other remaining eight active Minnesota RCPP watersheds have received 1-year time extensions until September 30, 2020. Upper Sand Hill River watershed extension was signed on March 10, 2020 by MN State Conservationist Troy Daniell and is scheduled to expire on May 31, 2020.
- 3) Shortfoot Creek agreement ended on March 31, 2020 and Forest River and Tongue River agreements ended May 20, 2020. The local sponsors continue to work on getting these plans completed using other funding sources.
- 4) The NRCS in North Dakota has agreed to work with the Pembina County WRD to complete the Tongue River watershed plan and complete a design for the project.

As the RCPP watershed planning moves forward there continues to be several watersheds that need to be monitored closely, on a monthly basis, so they can achieve planning target dates.

The NRCS Red River Basin Coordinator and the RRRRA Executive Director scheduled meetings in December and January with project sponsors to get status updates and address planning concerns and issues. However, due to the COVID 19 pandemic in-person follow-up has not been possible. The RRRRA continues to do virtual and electronic monitoring and follow-up on a recurring basis.

Appendix 1 - RCPP Watershed Location Map

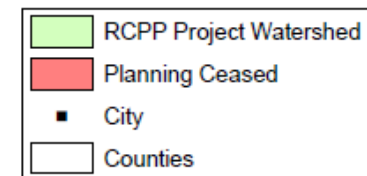


Red River Basin of the North RCPP Watershed Project Areas



ID	Name
1	Beltrami Island SF <i>Req. made to Cease</i>
2	Klondike
3	Middle-Snake-Tamarac JD-19
4	Middle-Snake-Tamarac JD-14
5	Four Legged Lake <i>(Planning Ceased)</i>
6	Pine Lake <i>(Planning Ceased)</i>
7	Upper Sandhill River
8	Green Meadow
9	Moccasin Creek
10	South Branch Wild Rice River
11	Bois De Sioux Direct <i>(Planning Ceased)</i>
12	Whitney Lake
13	North Branch Park River
14	Forest River <i>(Request made to cease)</i>
15	Upper Maple River
16	Rush River
17	Swan Creek <i>(Planning Ceased)</i>
18	Antelope Creek
19	Tongue River
20	Shortfoot Creek

Date: 8/30/2019



1 in = 30 miles



Appendix 2: - Minnesota Red River RCPP PL-566 Update

68-6322-16-512 Beltrami Island State Forest Watershed Project - RRWD

- Amendment 1 approved. Provided a one-year extension at no cost.
- RRWD draft close-out letter & close-out summary document received 3/18/20. Draft letter states it is unlikely continued study of this sub-watershed will result in finding a solution to address the purpose and need that will be locally supported and economically justified in accordance with NRCS RCPP requirements.
- Flash drive of digital files received March 30, 2020.
- NRCS communicating with RRWD about needed corrections to draft and additional documentation required, subject to pending RRWD Board passage of motion to close-out the agreement.
- RCPP funds expended through quarter ending June 30, 2019 = \$133,461.04 (30%). Payment requests not received for FY-19, Quarter 4 and FY-20, Quarter 1. Payment request #9 now due for FY-20, Quarter 2, ending March 31, 2020.
- Most recent semi-annual progress report received 3/9/19 indicated deliverables completed through 12/31/2018. At that time work on scope and affected environment was ongoing.
- Agreement ends September 30, 2020.

68-6322-16-515 Whitney Lake Watershed Project - RRWD

- Amendment 1 approved. Provided a one-year extension and additional RCPP funds in the amount of \$59,315.00.
- RRWD intends to request a second amendment to the agreement for additional funds. 2/27/20, RRWD submitted revised budget needs for completion of cultural resource investigation (\$41,190.19) and draft budget needs required to finish planning (\$45,519.00). NRCS and RRWD are communicating regarding needed progress report, and formal Board action and documentation to initiate the formal amendment request.
- Payment request #9 has been certified for payment. Including Payment #9, RCPP funds expended through quarter ending 12/31/19 = \$522,593.48 (93%). Remaining balance = \$36,721.52.
- NRCS comments provided for Review Point 5 submittal (Environmental Consequences). A phase 2 cultural resource investigation is needed. Project team met February 20, 2020. Additional planning was recommended to support determination of the preferred alternative for submittal of RP #6.
- Progress report for the period ending 12/31/18 received 2/12/19.
- Agreement ends September 30, 2020.

68-6322-16-511 J.D. #14 Flood Damage Reduction Project - MSTRWD

- Amendment 1 approved. Provided a one-year extension at no cost.
- RCPP funds expended = \$213,334.30 (43%).
- Progress reported through October 5, 2019. Cultural resources of affected environment, and development of alternatives are being reviewed and modeled.
- Agreement ends September 30, 2020

68-6322-16-514 J.D. #19 Flood Damage Reduction Project East Park - MSTRWD

- Amendment 1 approved. Provided a one-year extension at no cost.
- RCPP funds expended = \$154,762.48 expended (31%).
- Progress reported through October 5, 2019. Planning continues for the affected environment and development of alternatives tasks. Cultural resource review is ongoing.
- PT meeting held 2/20/20. NRCS comments provided for RP2 & RP3. Alternatives screening document released for comments. NRCS confirmed the preferred alternative can include structural modification of existing PL-566 structure because the current O&M will be expired before any construction will begin.
- Agreement ends September 30, 2020.

68-6322-16-522 Upper Sandhill River Watershed - SHRWD

- Amendment 1 approved. Provided a one-year extension at no cost.
- RCPP funds expended = \$163,769.09 (33%).
- Progress reported through December 31, 2019. Submittal of Review Point #4, to include developed alternatives and associated documentation and supporting technical materials, is due by September 30, 2020.
- Agreement ends May 31, 2020.

68-6322-16-513 Klondike Clean Water Retention Project #11 - TRWD

- Amendment 1 approved. Provided a one-year extension at no cost.
- RCPP funds expended = \$232,673.71 (47%).
- Progress reported through 12/31/2019. A draft of Review Point 3 - Resource Inventory and Analysis for Affected Environment, desired future conditions for indicators, and determination of target values was received by NRCS and comments were returned to TRWD. Formal submittal of RP 3 was anticipated March 2020.
- Discussions bet
- Agreement ends September 30, 2020.

68-6322-16-506 Moccasin Creek Sub-watershed - WRRWD

- Amendment 1 approved. Provided a one-year extension at no cost.
- RCPP funds expended = \$269,124.11 (54%).
- Progress reported through December 31, 2019. Development of Alternatives (RP4), & Evaluation of Effects of Alternatives (RP5 Environmental Consequences) are on ongoing.
- On April 8, 2020 WRRWD Board meeting members planned action for May 2020 Board meeting. Members will discuss possible action needed to request termination of the agreement prior to the expiration date, necessitated by Landowner opposition and negative benefits to be realized as compared to costs of alternatives. Consulting planner will report to Board at May meeting.
- NRCS & RRRA discussion with WRRWD Board planned for 4/8/20 was rescheduled for May Board meeting.
- Agreement ends September 30, 2020.

68-6322-16-508 South Branch of Wild Rice River Watershed - WRRWD

- Amendment 1 approved. Provided a one-year extension at no cost.
- RCPP funds expended = \$291,801.15 (58%).
- Progress reported through December 31, 2019. Development of Alternatives (RP4); and Environmental Consequences (RP5 Evaluation of Effects of Alternatives) are ongoing.
- NRCS & RRRRA discussion with WRRWD Board planned for 4/8/20 was rescheduled for May Board meeting.
- Agreement expires September 30, 2020.

68-6322-16-509 Green Meadow Sub-watershed - WRRWD

- Amendment 1 approved. Provided a one-year extension at no cost.
- RCPP funds expended = \$235,332.27 (47%)
- Progress reported through December 31, 2019. No review point submittals have been received in 3 years. Affected Environment (RP3) submittal was scheduled for 12/2019.
- On April 8, 2020 WRRWD Board meeting members planned action for May 2020 Board meeting. Members will discuss possible action needed to request termination of the agreement prior to the expiration date, necessitated by Landowner opposition and expected negative B:C. Consulting planner will report to Board at May meeting.
- NRCS & RRRRA discussion with WRRWD Board planned for 4/8/20 was rescheduled for May Board meeting.
- Agreement ends September 30, 2020.

68-6322-16-503 Pine Lake Watershed - RLWD

- Agreement closed out.
- RCPP funds expended = \$500,000 (100%).
- The RLWD continues to investigate potential solutions to achieve FDR without federal financial technical assistance.

68-6322-16-505 Four Legged Lake Watershed - RLWD

- Agreement closed out.
- RCPP funds expended - \$265,088.00 (100%).
- Project Team could not reach consensus on required restoration elevation of previously illegally manipulated ditch culvert. MN Public Waters Rules requires 100% approval of riparian property owners to manipulate public water levels.

68-6322-16-510 Bois de Sioux Direct Watershed - BDSWD

- Agreement closed out.
- RCPP funds expended = \$498,156.61 of \$500,000 (99.6%).
- No viable alternatives were identified that would adequately address the ag damages across the watershed.

Preparer: Debra. Walchuk, Red River Basin Coordinator, NRCS, Bemidji, MN

Appendix 2: - North Dakota Red River RCPP PL-566 Update

Rush River (Cass WRD)

- NRCS agreement closed, Sponsor finishing watershed plan without NRCS funding.
- \$400,897 out of \$500,000 federal funds expended. Remaining \$99,103 back to RRRRA for use prior to May 2021 MOU end date.
- NED alternative is a 2.2 mile levee around the City of Amenia with interior stormwater pond and pump station.
- Draft watershed plan document submitted end of September. NWMC required formatting changes prior to review and technical comments from ND (mainly related to NEPA wetlands, cultural resources) to be addressed- all those were provided to Moore Engineering in November 2019.
- Moore indicates that the revisions are days away from completion, however it was identified that field check for cultural resources still was not done. Given that is required, NRCS offered to just come over and get it done as soon as ground conditions allow (too muddy this week).
- Rough estimate of final design/surveying cost (very preliminary) of \$250,000 but Moore currently developing a more detailed proposal.
- Estimated construction cost \$3.2 million.
- ND NRCS intending to start work on new cooperative agreement to cover final design as soon as final plan is submitted to NWMC. Will need funds transferred to ND from MN and request letter from RRRRA to expend project funds for 100% of design cost.

NB Park River (Park River Joint WRD)

- NRCS agreement closed, Sponsor finishing watershed plan without NRCS funding.
- \$493,986 out of \$500,000 federal funds expended.
- Final selected alternative is an off-channel impoundment with diversion from Cart Creek which provides 2,590 ac-ft storage at the auxiliary spillway crest, provides wetland enhancement for 513 acres of currently degraded wetlands, restores 70 acres of drained wetlands, and will provide estimated phosphorus reduction of 464 lbs./yr. and nitrogen reduction of 842 lbs./yr.
- Request letter from Sponsor to STC for NED exception on the basis of non-monetized wetland and water quality benefits, as well as contribution to international agreement/regional water resource plans, needs to be drafted and submitted. Needed to solidify wetland restoration plans before this could be done.
- Draft watershed plan was been submitted, ND response for changes to wetland benefit determination, cultural resources, and formatting provided and is being addressed in a revision.

- Field check for cultural resources still was not done. Given that is required, NRCS offered to just come over and get it done as soon as ground conditions allow- that is the plan.
- Estimated final design/surveying cost (very preliminary) of \$ 1,670,000 but Houston will develop a more detailed proposal.
- Estimated construction cost \$5.7 million.
- ND NRCS intending to start work on new cooperative agreement to cover final design as soon as final plan is submitted to NWMC. Will need funds transferred to ND from MN and request letter from RRRRA to expend project funds for 100% of design cost.

Upper Maple River (Cass WRD)

- NRCS agreement closed, Sponsor finishing out plan without NRCS funding.
- \$500,000 out of \$500,000 federal funds expended.
- All review point items submitted for ND NRCS review, other than final formatted Watershed Plan/EA.
- Project involves two final detention sites: #2A is a 2.3 mile long embankment with gated release, total storage capacity 546.8 ac-ft, \$11.8 million construction cost estimate and Alt #5 is a 3.4 mile long embankment with gated release, total storage capacity 1,340 ac-ft, \$13 million construction cost estimate.
- Neither site meets B/C on traditional flood control benefits, however substantial wetland and water quality benefits will be provided via both projects. NRCS provided Moore a conceptual design for wetland restoration/creation which provides a net increase of 71 acres of pothole wetlands and 29 acres of riverine wetlands between the two sites.
- Request letter from Sponsor to STC for NED exception on the basis of non-monetized wetland and water quality benefits, as well as contribution to international agreement/regional water resource plans, needs to be drafted and submitted. Needed to solidify wetland restoration plans before this could be done.
- Moore indicated that the Plan/EA document is very close to done.
- Request letter from Sponsor to STC for NED exception is pending, expecting any day.
- Estimated design cost (very preliminary) of \$ 670,000 for site #2A, which would be prioritized for implementation first.

Shortfoot Creek (Sargent WRD)

- NRCS agreement has an end date of March 31, 2020
- \$481,736 out of \$500,000 federal funds expended, last invoice has not yet come in.
- Items not yet submitted for interim review: draft EA, economic analysis, final formatted Plan/EA.

- Project involves the following final alternatives: (Alt #7 is an on-channel dry dam with a storage capacity of 2,461 ac-ft)(Alt #10A involves a diversion channel and embankment to form an off-channel dry dam with a storage capacity of 2,808 ac-ft)
- Moore indicated that they intend to focus in on completing this after Upper Maple is done, but it is starting to look unrealistic to think that this one will be completed in time to use RRR design funds. Perhaps just for portions of the design work?

Tongue River (Pembina WRD)

- NRCS agreement has an end date of May 20, 2020
- \$244,267 out of \$500,000 expended to date.
- Resource inventory, H&H modeling, no-action economics work largely done.
- Final alternative involves river restoration and floodplain excavations.
- Houston currently working on final economics and drafting the Plan/EA document. NRCS intending to finish wetlands/cultural resource assessment this summer and finalize the plan document.
- Future design would be done by NRCS.

NB Antelope Creek (Richland WRD)

- NRCS agreement closed, Sponsor finishing out plan without NRCS funding.
- \$500,000k out of \$500,000 federal funds expended.
- Items not yet submitted for interim review: alternatives analysis, draft EA, economic analysis, Geotech, final formatted Plan/EA.
- Project involves two separate retention structures and a diversion channel.
- WRD approved additional \$50,000 for consultant's estimate of work to finish, but that has been held up pending NDSWC approval of cost share funding, so work is currently on hold.

Forest River (Walsh WRD)

- NRCS Agreement has an end date of May 20, 2020.
- \$467,712 out of \$1,000,000 expended to date.
- Final alternative consisted of a diversion channel with associated retention structure. Due to local controversy, WRD decided to halt planning.
- Houston submitted draft summary report to close out the project, pending NRCS review.

Appendix 3 - Summary of RCPP Watershed Planning Activities for Period November 21, 2019 to May 20, 2020

	WD/WRD - Watershed Name	RCPP Accomplishments: To May 20, 2020										Total	
		Agreement	Amendment	Study Area	Purpose	Env.	Env.	Draft	Incurred	Estimated			
		Signed	Signed	(acres)	Plan of Work	& Need	Document	Alternatives	Affects	Plan	To Date	Study Cost	
1	Roseau River Watershed - Beltrami Island Area Water Management	2/18/2016	Yes	93,043	7/11/16 Scoping	10/16/2017, 1/8/18	ongoing	Ongoing	Ongoing	WD requested to cease planning	\$133,461	\$715,133	Agree ends 9-30-2020
2	Two Rivers Watershed - Klondike Clean Water Retention Project	2/11/2016	Yes	113,776	6/30/16 Scoping	7/20/2017	ongoing	preliminary work	Ongoing		\$232,673	\$714,286	Agree ends 9-30-2020
3	Middle-Snake-Tamarac Rivers Watershed - J.D. #19 East Park WMA	2/18/2016	Yes	66,270	9/26/16 Scoping	draft 11-30-17, 9-4-18	8/27/2018	preliminary work	Ongoing		\$154,763	\$715,680	Agree ends 9-30-2020
4	Middle-Snake-Tamarac Rivers Watershed - J.D. #14 Watershed	2/18/2016	Yes	23,068	4/21/16 Scoping	3/22/2018	7/30/2018	preliminary work	Ongoing		\$213,334	\$715,889	Agree ends 9-30-2020
5	Red Lake - Four Legged Lake Watershed	2/10/2016		6,253	7/12/16 Scoping	0/21/16 Draft, 6-28-18	Ongoing	Ongoing		Ceased Planning	\$265,088	\$378,697	
6	Red Lake - Pine Lake Watershed	2/10/2016		29,360	7/12/16 Scoping	3/9/2017	6/20/17	6/7/2018	Ongoing	Ceased Planning	\$500,000	\$757,395	
7	Sand Hill - Upper Sand Hill River Watershed	9/14/2016	No	173,369	8/16/2017 Scoping	ongoing 6-30-18	ongoing	Ongoing	Ongoing		\$163,769	\$732,360	Agree ends 5-31-2021
8	Wild Rice - Green Meadow Sub watershed	3/9/2016	Yes	43,310	5/5/16 Scoping	1/25/17, 11-26-18	ongoing	preliminary work	Ongoing		\$235,332	\$715,248	Agree ends 9-30-2020
9	Wild Rice - Moccasin Creek Sub watershed	3/9/2016	Yes	38,799	6/12/17 Scoping	4/26/2018	8/27/2018	preliminary work	Ongoing		\$269,124	\$715,283	Agree ends 9-30-2020
10	Wild Rice - South Branch Wild Rice River Sub watershed	3/9/2016	Yes	165,236	6/12/17 Scoping	6/13/2018	4/28/2018	preliminary work	Ongoing		\$291,801	\$715,295	Agree ends 9-30-2020
11	Bois de Sioux - Rabbit River	WD Declined		80,136									
12	Bois de Sioux - Bois de Sioux Direct Watershed	4/4/2016		96,328	7/27/16 Scoping	8/10/17 Meeting	3/12/2018	10/26/18	ongoing	Ceased Planning	\$498,157	\$875,000	
13	Bois de Sioux - Five Mile Creek	WD Declined		77,643									
14	Park River Joint WRD - North Branch Park River Watershed	9/16/2015	NA	165,245	2/17/16 Scoping	5/5/16 Draft	ongoing	5/25/16; 8/31/16	Ongoing	Draft 11/19/2019	\$493,986	\$732,000	Agree closed
15	Forest River - Forest River Watershed	*9/18/2015	5/11/2017	245,300	2/18/16 Scoping	6/22/16 Draft	ongoing	5/25/16; 8/31/16	Ongoing	WD requested to cease planning	\$467,712	\$1,428,885	Agree closed
16	Cass County Joint WRD - Upper Maple River Watershed	9/24/2015	NA	187,006	1/6/16 Scoping	7/14/16 Draft	ongoing	preferred plan alternative selected	Ongoing	Plan drafted and being submitted May 2020	\$500,000	\$940,000	Agree Closed
17	Cass County Joint WRD - Rush River Watershed	9/24/2015	NA	141,929	1/6/16 Scoping	7/1/16 Draft	ongoing	8/2/16; 11/16/16	Ongoing	11/1/2019	\$400,897	\$940,000	Agree complete
18	Cass County Joint WRD - Swan Creek Watershed	9/24/2015		87,707	1/6/16 Scoping	6/29/16 Draft		7/25/16; 11/10/16		Ceased Planning	\$187,336	\$940,000	
19	Richland County WRD - North Branch Antelope Creek Watershed	4/26/2016	NA	111,327	11/10/16 Scoping	5/24/2018	ongoing	preliminary work	Ongoing	WRD planning on own w/SWC & RRJWRD	\$500,000	\$824,000	Agree closed
20	Pembina County WRD - Tongue River Watershed	5/27/2016	Yes	67,000	4-5-17 Scoping	11/21/2017 Draft, being revised	ongoing	Ongoing	Ongoing	NRCS assisting WRD with plan development	\$244,267	\$799,151	Agree closed
21	Sargent County WRD - Shortfoot Creek Watershed	4/25/2016	Yes	74,247	6/28/16 Scoping	7/28/16 Draft	ongoing	Under review	Ongoing	WRD planning on own w/SWC & RRJWRD	\$481,736	\$940,000	Agree closed
22	Roseau River - Whitney Lake Watershed	5/4/2016	Yes	47,384	4-28-17 Scoping	8/24/2017	6/1/2018	preferred selected	Ongoing	rough draft 10/19	\$522,593	\$757,395	Agree ends 9-30-2020
	Roseau River - Lower Roseau Lake Bottom Watershed	Ineligible		109,000									
Totals for Approved RCPP Studies				2,242,736							\$6,756,029	\$16,051,697	

Note: Updated figures for cost incurred may not have been obtained for all studies.

*Note: Expansion of the study area and budget increase for the Forest River Watershed was approved for area 1B on 5-11-17

MN active agreements were given 1-year extensions to 9-30-20 with the exception of the Upper Sand Hill River Watershed

Appendix 4 - Summary of Partner Non-RCPP Flood Damage Reduction Activities for Period November 21, 2019 to May 20, 2020

Name of Project	WD/WRD Watershed	Costs for	Cost For	Cost For	Cost For	Cost For	Cost For	Cost For	Cost For	Total Cost	Total	
		May 21, 2016 to 20-May-17	May 21, 2017 to Nov. 20, 2017	Nov. 21, 2017 to May 20, 2018	May 21, 2018 to Nov. 20, 2018	Nov. 21, 2018 to May 20, 2019	May 21, 2019 Nov. 20, 2019	Nov. 21 2019 to May 20, 2020	Incurring for Project	Project Cost		
Pembina River Watershed in ND:												
Renwick Dam Rehabilitation	Pembina County WRD; Tongue R. Subwatershed		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,926,418	\$8,926,418	Note 1
Renwick Dam Gate Retrofit	Pembina County WRD; Tongue R. Subwatershed		\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$164,722	
Renwick Dam Emergency Action Plan	Pembina County WRD; Tongue R. Subwatershed	\$9,224	\$0	\$0	\$0	\$0	\$0	\$0	\$186		\$79,600	
Hydrology Model - Pembina River	Pembina County WRD	\$3,480	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,712	\$10,712	Note 1B
Pembina River border dike	Pembina County WRD		\$55,948	\$0	\$2,839	\$0	\$0	\$0	\$0			Note 1B
Detention study - Pembina River	Pembina County WRD	\$39,315	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$203,027	\$203,027	
Detention study - local between Pembina & Park	Pembina County WRD & Walsh County WRD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$56,538	\$56,538	
Herzog Dam Gate Repair	Pembina County WRD; Tongue R. Subwatershed				\$3,679	\$0	\$5,538	\$18,956				Note 1B
Goschke Dam Spillway Gate Retrofit	Pembina County WRD; Tongue R. Subwatershed						\$16,008	\$9,778				Note 1B
Park River Watershed in ND:												
Hydrology Model - Park River	Walsh County WRD & Pembina County WRD	\$2,393	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,924	\$6,924	
Grafton Flood Control Project	City of Grafton	\$1,152,200	\$2,465,569	\$5,502,331	\$11,014,899	\$10,230,137	\$3,964,508	\$5,306,112			\$47,400,000	Note 1A
Detention study - Park River	Walsh County WRD & Pembina County WRD	\$25,820	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$165,918	\$165,918	
Forest River Watershed in ND:												
Michigan spillway	Nelson County WRD	\$384,744	\$0	\$6,674	\$0	\$0	\$0	\$0	\$0	\$4,586,668	\$4,628,853	
Turtle River Watershed in ND:												
Upper Turtle River Dam #1 Emergency Action Plan (EAP)	Grand Forks County WRD			\$0	\$0	\$0	\$0	\$0	\$0	\$11,707	\$11,707	
Upper Turtle River Dam #4 EAP	Grand Forks County WRD			\$0	\$0	\$0	\$0	\$0	\$0	\$10,820	\$10,820	
Upper Turtle River Dam #5 EAP	Grand Forks County WRD			\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$15,000	
Upper Turtle River Dam #8 EAP	Grand Forks County WRD			\$0	\$0	\$0	\$0	\$0	\$0	\$11,337	\$11,337	
Elm River Watershed in ND:												
Elm River Dam #1 Repair	Steele County WRD						\$11,471	\$0	\$0	\$11,471	\$27,150	Note 1B
Rush River Watershed in ND:												
	Rush River WRD				\$0	\$0	\$0	\$0	\$0			
Sheyenne River Watershed in ND:												
Sheyenne Diversion Low Flow Improvements	SE Cass WRD - Sheyenne River		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,000	\$350,000	
Valley City - Flood Protection, several phases		\$5,845,555	\$1,641,044	\$2,721,859	\$4,546,076	\$14,927,451	\$3,753,930	\$2,267,263			\$143,000,000	Note 2
Lisbon - Several Phases		\$2,100,694	\$1,383,702	\$2,913,515	\$2,007,995	\$2,825,841	\$903,644	\$391,093			\$47,000,000	Note 3
McVille Dam	Nelson County WRD		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,600	\$15,600	
Maple River Watershed in ND:												
Lake Bertha Flood Control Project	Cass County Joint WRD	\$0	\$0	\$116,853	\$0	\$0	\$161,530	\$0	\$0	\$116,853	\$541,780	Note 1B
Swan Buffalo Detention Dam #5 Improvements	Maple River WRD	\$0	\$150,098	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$192,180	Note 1C
Swan Buffalo Detention Dam #8 Improvements	Maple River WRD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$183,760	
Swan Buffalo Detention Dam #12 Improvements	Maple River WRD	\$0	\$116,263	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$168,964	Note 1C
Upper Maple River Dam	Maple-Steele Jt. WRD - Maple River Watershed		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,500,000	\$8,800,000	

Appendix 4 - Summary of Partner Non-RCPP Flood Damage Reduction Activities for Period May 21, 2019 to November 20, 2019

Name of Project	WD/WRD Watershed	Costs for	Cost For	Cost For	Cost For	Cost For	Cost For	Cost For	Cost For	Total Cost	Total	
		May 21, 2016 to 20-May-17	May 21, 2017 to Nov. 20, 2017	Nov. 21, 2017 to May 20, 2018	May 21, 2018 to Nov. 20, 2018	Nov. 21, 2018 to May 20, 2019	May 21, 2019 Nov. 20,2019	Nov. 21 2019 to May 20, 2020	Incurred for Project	Project Cost		
Wild Rice River Watershed in ND:												
Gwinner Dam Study	Sargent County WRD - Wild Rice R. Watershed	\$22,913	\$4,723	\$424	\$0	\$0	\$0	\$0	\$28,060	\$122,410	Note 1B	
Upper Wild Rice Watershed Study	Sargent County WRD - Wild Rice R. Watershed		\$0	\$0	\$0	\$0	\$0	\$160,000	\$210,000			
Storm Lake Outlet Study	Sargent County WRD - Wild Rice R. Watershed		\$0	\$0	\$0	\$0	\$0	\$35,255				
Brummond-Lubke Dam Improvements	Sargent County WRD - Wild Rice R. Watershed						\$51,660	\$2,964		Note 1B		
Silver Lake Dam Feasibility Study	Sargent County WRD - Wild Rice R. Watershed						\$10,651	\$3,517		Note 1B		
Bois de Sioux Watershed in MN:												
Redpath Impoundment	Bois de Sioux Watershed-Mustinka River			NR	\$0		\$0	\$344,811	\$8,529,907	\$34,000,000		
North Ottawa Impoundment	Bois de Sioux Watershed-Rabbit River			NR	\$0		\$0	\$18,507,848	\$18,900,000			
Middle-Snake-Tamarac Watershed in MN:												
New Folden	Middle River			\$43,065	\$0		\$0	\$0				
Swift Coulee	Middle River			\$17,348	\$0		\$0	\$0				
Red lake Watershed in MN												
Black River Watershed		\$170,684	\$588,665	\$262,090	\$0		\$0	\$0				
West Side Flood Damage Reduction Project					\$0		\$0	\$0				
Roseau River Watershed in MN:												
RRWMA				\$50,751	\$0		\$0	\$0				
Roseau Lake				\$318,187	\$0		\$0	\$0				
Sand Hill Watershed in MN												
Ditch 80: Improvement & Establishment of Lat.1 and 2				NR	\$0		\$0	\$0				
Riffle Expansion							\$0	\$0				
Two Rivers Watershed in MN												
				NR	\$0		\$0	\$0				
Wild Rice River Watershed in MN												
Halstad Levee Improvement		\$218,665	\$62,256	\$85,749	\$0			\$204,663				
Goose Prairie WMA		\$35,761	\$5,119	\$70,488	\$0			\$152,358				
Lower Wild Rice Corridor		\$16,925	\$8,167	\$13,127	\$0			\$25,404				
Hendrum Levee Improvement								\$80,698				
Red River Mainstem:												
Oslo Access Project	Middle-Snake-Tamarac R. Watershed			\$65,992	\$0							
FM Diversion		\$131,266,627	\$40,402,817	\$29,369,902	\$19,030,810		\$36,686,188	\$22,719,620	\$2,200,000,000	Note 4		
Upstream Detention					\$0					Note 5		
MN EIS					\$0							
Oxbow, Hickson, Bakke Levee					\$0							
Moorhead Acquisitions, Interior Levees					\$0							
Fargo Acquisitions, Interior Levees					\$0			\$120,000,000	\$247,000,000			

Appendix 4 - Summary of Partner Non-RCPP Flood Damage Reduction Activities for Period May 21, 2019 to November 20, 2019

Name of Project	WD/WRD Watershed	Costs for	Cost For	Cost For	Cost For	Cost For	Cost For	Cost For	Total Cost	Total	
		May 21, 2016 to 20-May-17	May 21, 2017 to Nov. 20, 2017	Nov. 21, 2017 to May 20, 2018	May 21, 2018 to Nov. 20, 2018	Nov. 21, 2018 to May 20, 2019	May 21, 2019 to Nov. 20, 2019	Nov. 21 2019 to May 20, 2020	Incurred for Project	Project Cost	
Entire Watershed:											
Comprehensive Watershed Management Plan	Red River Watershed				\$0		\$0	\$330,000	\$1,000,000		
USGS Stream Gages - Each Fiscal Year	Red River Watershed	\$435,263	\$238,500	\$238,500	\$210,509	\$210,509	\$210,509	\$210,509		Note 6	
Regional Detention	Red River Watershed	\$4,421	\$1,725	\$17,891	\$0	\$4,968	\$0	\$28,417	\$985,000	Note 7	
Nutrient Management	RRBC				\$0						
Totals for Partners Projects		\$141,820,434	\$47,124,595	\$41,901,227	\$36,816,807	\$28,297,587	\$45,807,772	\$31,737,932	\$2,764,223,674		
NR - No Report											
Note 1: Values shown in time periods is for non-federal costs incurred											
Note 1A: Recent cost estimated by comparing SWC spreadsheet from September 2019 and March 2020. Assumed SWC cost share at 75% for construction.											
Note 1B: Only RRJWRD costs shown.											
Note 1C: Only SWC costs shown.											
Note 2: Recent cost estimated by comparing SWC spreadsheet from September 2019 and March 2020. Assumed SWC cost share at 80% for construction.											
Note 3: Recent cost estimated by comparing SWC spreadsheet from September 2019 and March 2020. Assumed SWC cost share at 85% for construction.											
Note 4: \$1.4B non-federal cost; Comparison of October 31, 2019 and March 31, 2020 Fiscal Report used to obtain current expenditures.											
Note 5: Amount obligated to upstream detention projects. Not paid out yet.											
Note 6: Amount paid is 1/2 of non-federal (RRJWRD of ND, RRWMB of MN, ND SWC, MNDNR) portion for FY 2020.											
Note 7: \$230,000 non-fed., \$754,086 federal; payment shown is from RRJWRD											