



RED RIVER

RETENTION AUTHORITY

1120 28th Avenue North, Suite C - Fargo, ND 58102 - Phone 701-356-6644

Red River Retention Authority

6 Month Progress Report

Reporting Period 6

November 21, 2017 through May 20, 2018

To

Natural Resource Conservation Service

For

Regional Conservation Partnership Program

NRCS Agreement 14-C-ND-669

June 2018

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 was signed on May 21, 2015. The following is an abbreviated update report that summarizes activities that occurred during the 6 month period from November 21, 2017 through May 20, 2018.

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 20 requests to complete watershed protection plans following the guidelines described in the NRCS National Watershed Program Manual. The RRRA accepted the applications and approved the 20 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.

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.

During the reporting period all thirteen RCPP watershed SLOs were contacted and provided technical assistance through the NRCS and RRRA partnership agreement (68-6633-16-517) and RCPP outreach materials were developed and distributed to all RCPP watersheds through agreement (68-6633-16-5120)

During project team meetings cooperating agencies were enlisted to assist in the planning process.

An updated map providing the location of the 19 active RCPP studies is shown in **Appendix 1**. Fact sheets for each of the RCPP watersheds studies are being developed for use by NRCS, RRRA and SLOs. These fact sheets will be finalized and available for use in June.

RCPP planning status spreadsheets have been developed by NRCS staff for both MN and ND. These worksheets have been updated for reporting period 6 (see **Appendix 2**). The RRRA has updated their RCPP spreadsheet to show RCPP funds expended during the planning process and specifically for reporting period 6 (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 come 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 the reporting period are shown in **Appendix 4**

RCPP Watershed Education and Outreach Activities.

The following items are some of the major education and outreach activities during reporting period 6. In addition to these activities and deliverables there are many day to day correspondence and information dissemination amongst NRCS, SLOs, SWCD/SCD, state and local units of government, as well as other NGOs and other partner organizations to further the RCPP planning effort in the basin.

As outlined in the MOU Objective 2 the RRRRA has worked on providing outreach and education opportunities to producers, local soil and water conservation district supervisors and watershed board managers and other conservation partners in the basin. The following activities and efforts were undertaken in the last 6 months.

- The RCPP fact sheet that was developed has been widely distributed at annual conventions and conferences; including Minnesota Association of Watershed Districts annual conference, ND Water Users Convention, Prairie Grains Conference, Red River Basin Commission annual conference, ND EPA 319 Watershed Coordinator workshop and Minnesota Flood Damage Reduction Workforce annual conference.
- In cooperation with NRCS ND and MN staff, two soil health fact sheets (Deschene - MN and Overboe - ND) related to Red River basin producers were developed and distributed to 13 ND and 22 MN NRCS field offices (see attached). A total of 3,700 soil health sheets were printed. As time and funds permit two additional soil health sheets are planned for distribution.
- A postcard was developed and sent in April to 8,629 landowners and residents of the 19 RCPP watersheds. Input was solicited from MN and ND NRCS specialists and PAS staff for their review and concurrence in developing the postcard.
- Soil health information and RCPP watershed information has been posted to RRRRA web page. NRCS web page links were part of the information links on the postcards and fact sheet. RRRRA has requested that NRCS in MN and ND post the soil health sheets to their web page.
- The RRRRA was an exhibitor at the MAWD conference November 30 to December 1 in Alexandria, MN, ND Water Users conference December 5 to 7 in Bismarck, ND, Prairie Grain Conference December 13 to 14 in Grand Forks, ND, and the Red River Basin Commission's 35th Annual Conference January 23 to 25 in Winnipeg, MB.
- The RRRRA provided financial assistance to help sponsor and conduct a Drainage Water Management workshop held in conjunction with the RRBC 35th Annual Conference.
- The RRRRA provided a sponsorship of the 20th Annual Conference of the Red River Watershed Management Board (RRWMB) and Minnesota Flood Damage Reduction Work Force (FDRWG). This year's conference highlighted guest speakers talking about drainage water management and soil health in the Red River basin. Minnesota NRCS employee Brandon DeFoe and Marshall County Minnesota farmer Cecil Deschene gave a presentation on soil health to 125 conference participants.
- It is estimated that there were over 2,000 participants at the conference's and workshops in which the RRRRA was an exhibitor and/or sponsoring organization during this reporting period.

The RRRRA display and handouts highlighted the NRCS and RRRRA Red River Basin Initiative and partnership.

- The RRRRA continues to be an involved partner on the planning team for an “Ag BMP workshop” for the Red River Basin. This workshop is planned for April 9 and 10, 2019 at the University of Minnesota Crookston campus.
- The RRRRA has reached out to the Grand Forks Soil Conservation District to conduct another soil health workshop. The SCD has indicated they are interested in conducting a soil health workshop in March of 2019. The RRRRA met with staff of the Grand Forks SCD to start the planning process for a 2019 workshop. The RRRRA has suggested to the Grand Forks SCD that they may want to reach out to their neighbors across the Red River in West Polk SWCD to partner in planning and conducting this workshop.
- The RRRRA is still communicating with the International Water Institute and ND Department of Health Water Quality Division about doing a workshop on a water quality and hydrology computer app known as “PTMApp”.
- The RRRRA made a presentation in February at the ND Legislatures Water Topics Committee meeting in Bismarck. Emphasis was placed on the watershed planning process being used for the RCPP watersheds in the basin.

Conclusion and Steps Moving Forward

The Watershed Districts and Water Resource Districts have spent approximately \$1,543,000 and NRCS \$3,602,000 during this RCPP planning process. During this past 6-month reporting period the Sponsors and NRCS have spent an estimated \$1,513,723 on planning efforts.

The sponsoring watershed districts and water resource districts and their partners have spent over \$41 million on non-RCPP water resource projects in the basin during this reporting period.

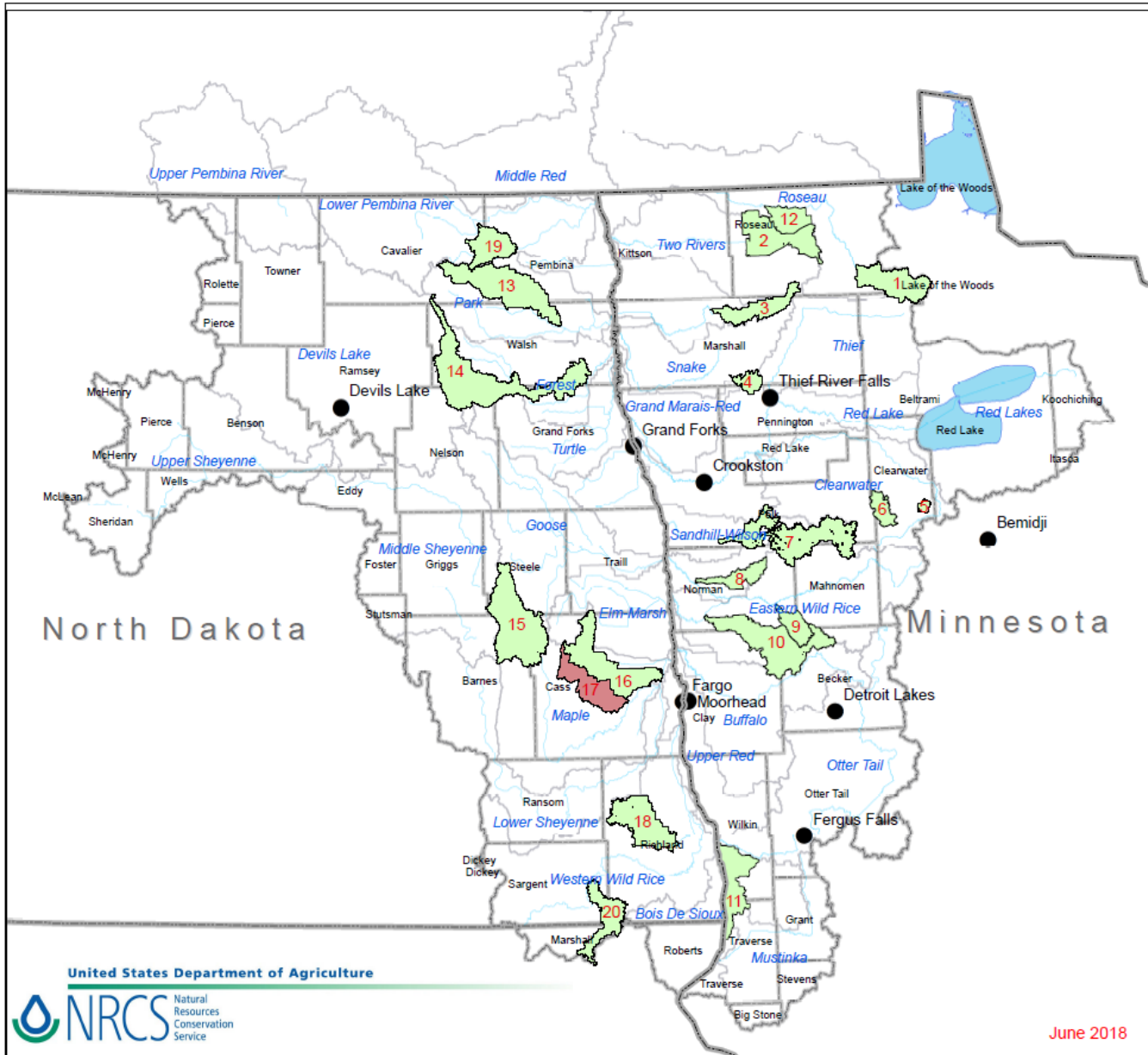
During this reporting period, five of the ND sponsors have requested 1-year extensions from USDA, NRCS on their cooperative agreements. All of these requests were sent to the NRCS National Headquarters RCPP staff for approval.

It is anticipated that several of the SLO's who have requested 1-year extensions may also solicit the RRRRA Board of Managers for some additional Federal RCPP funds that remain in agreement 14-C-ND-669. The RRRRA Board of Managers will need to address this possible scenario at their June quarterly board meeting. The RRRRA will be consulting with NRCS on this issue as well.

As the watershed planning moves forward there are several watersheds that need to be monitored closely, on a monthly or at least quarterly basis, so they can achieve planning target dates. Those being: Upper Sand Hill River, North Branch Antelope Creek and Beltrami Island State Forest watersheds.

The NRCS State Conservationists and RRRRA Co-chairman have tentatively agreed to meet in November or December to review planning status of the watersheds and to address other RCPP watershed planning topics.

Appendix 1 - RCPP Watershed Location Map



Red River Basin of the North RCPP Watershed Project Areas

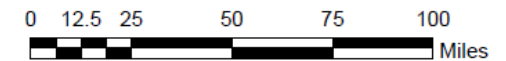


ID	Name
1	Beltrami Island State Forest
2	Klondike
3	Middle-Snake-Tamarac JD-19
4	Middle-Snake-Tamarac JD-14
5	Four Legged Lake
6	Pine Lake
7	Upper Sandhill River
8	Green Meadow
9	Moccasin Creek
10	South Branch Wild Rice River
11	Bois De Sioux Direct
12	Whitney Lake
13	North Branch Park River
14	Forest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

Legend

- RCPP Project Watershed
- Planning Ceased
- City
- Counties

1 in = 29 miles



June 2018

Appendix 2 - RCPP planning status

Minnesota RCPP Watershed Cooperative Agreements Status - June 1, 2018

AGREEMENT #	WATERSHED PROJECT	SPONSORING LOCAL ORG.	ACRES	DATE SIGNED	END DATE	PLAN COSTS - EST. TOTAL	PLAN COSTS - FEDERAL SHARE	PLAN COSTS - SLO SHARE	TOTAL FEDERAL EXPENDED \$	TOTAL FEDERAL EXPENDED %
68-6322-16-503	Pine Lake Watershed	Red Lake WD	29,360	1/11/2016	9/30/2019	757,395	500,000	257,395	499,740	99.95%
68-6322-16-505	Four Legged Lake Watershed	Red Lake WD	6,253	2/10/2016	9/30/2019	378,697	265,088	113,609	226,841	85.57%
68-6322-16-506	Moccasin Creek Sub-watershed	Wild Rice WD	38,799	3/9/2016	9/30/2019	715,283	500,000	215,283	47,564	9.51%
68-6322-16-508	South Branch of Wild Rice River Watershed	Wild Rice WD	165,236	3/9/2016	9/30/2019	715,248	500,000	215,248	92,071	18.41%
68-6322-16-509	Green Meadow Sub watershed	Wild Rice WD	43,310	3/9/2016	9/30/2019	715,248	500,000	215,248	67,485	13.50%
68-6322-16-510	Bois de Sioux Direct	Bois de Sioux WD	96,328	4/4/2016	9/30/2019	875,000	500,000	375,000	376,610	65.00%
68-6322-16-511	J.D. #14 Flood Damage Reduction Project	MST Rivers WD	23,068	2/18/2016	9/30/2019	715,889	500,000	215,889	85,993	17.20%
68-6322-16-512	Beltrami Island State Forest Watershed Project	Roseau River WD	93,043	2/18/2016	9/30/2019	715,680	500,000	215,133	87,142	17.43%
68-6322-16-513	Klondike Clean Water Retention Project #11	Two Rivers WD	113,776	4/4/2016	9/30/2019	714,286	500,000	214,286	145,907	29.18%
68-6322-16-514	J.D. #19 Flood Damage Reduction Project - East Park	Middle Snake Tamarac Rivers WD	66,270	2/18/2016	9/30/2019	715,680	500,000	715,680	66,275	13.26%
68-6322-16-515	Whitney Lake Watershed Project	Roseau River WD	47,384	5/4/2016	9/30/2019	757,395	500,000	257,395	315,641	63.00%
68-6322-16-522	Upper Sandhill River Watershed	Sand Hill River WD	173,369	9/14/2016	5/31/2020	732,360	500,000	232,360	9,888	2.00%

North Dakota RCPP Watershed Cooperative Agreements Status - June 1, 2018

NORTH DAKOTA RED RIVER RCPP WATERSHED PLANNING UPDATE - 6/1/18																					
Estimated Planning Costs						NRCS Funds Expended															
Watershed	Sponsor	Engineer	Federal	Non-Federal	Total	FY16-Q1	FY16-Q2	FY16-Q3	FY16-Q4	FY17-Q1	FY17-Q2	FY17-Q3	FY17-Q4	FY18-Q1	FY18-Q2	Total Fed Expended	% Federal Expended	Status	Start Date	Sch End Date	% Schedule Expired
Forest River	Walsh County WRD	Houston	\$1,000,000	\$428,885	\$1,428,885	\$0	\$6,792	\$25,257	\$32,033	\$2,843	\$960	\$17,615	\$6,631	\$27,782	\$34,603	\$154,516	15%	Purpose and need submitted, requires additional detail in final version (RP1). Draft EA format submitted (RP2) and NRCS provided additional suggestions to be addressed in the future. Remainder of RP2 not yet submitted. Substantial work on alternatives has been occurring.	9/18/2015	6/30/2019	70.7%
Rush River	Cass County Joint WRD	Moore	\$500,000	\$440,000	\$940,000	\$17,273	\$34,891	\$11,835	\$46,724	\$18,859	\$1,371	\$1,929	\$77,378	\$14,153	\$21,284	\$245,696	49%	Purpose and need revised to target City of Armenia benefits only, approved by NRCS (RP1) with some revisions in the final. Draft EA format submitted (RP2) and approved. Extension request of 1 year currently being processed by GASB team.	9/24/2015	9/30/2019	66.2%
NB Antelope Creek	Richland County WRD	Interstate	\$500,000	\$324,000	\$824,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,932	\$0	\$0	\$31,932	6%	Purpose and need (RP1) submitted end of May, NRCS response pending. H&H work underway, as has some work on alternatives. Extension request of 1 year currently being processed by GASB team.	4/26/2016	9/30/2019	60.4%
Tongue River	Pembina WRD	Houston	\$500,000	\$299,151	\$799,151	\$0	\$0	\$0	\$0	\$0	\$0	\$57,546	\$14,503	\$0	\$0	\$72,049	14%	Purpose and need submitted (RP1), currently being revised to address project team concerns. Some H&H and resource assessment work is completed, channel stability more of an issue in this watershed than others- ongoing discussions on how to efficiently complete an adequate assessment.	5/27/2016	6/1/2019	65.9%
NB Park River	Park River Joint WRD	Houston	\$500,000	\$232,000	\$732,000	\$6,499	\$11,668	\$5,596	\$32,596	\$20,185	\$26,807	\$33,926	\$16,049	\$14,414	\$15,804	\$183,545	37%	Purpose and need submitted, requires additional detail in final version (RP1). Draft EA format submitted (RP2) and approved. Remainder of RP2, no action economic modeling with supporting H&H work was submitted. NRCS review response on 3/15/18 with recommendations on both economics and questions on H&H modeling. Houston and Moore working together to address the model calibration issues brought up- which will apply to all of the plans. Extension request of 1 year currently being processed by GASB team.	9/16/2015	9/30/2019	66.4%
Shortfoot Creek	Sargent County WRD	Moore	\$500,000	\$440,000	\$940,000	\$0	\$0	\$29,620	\$26,309	\$33,978	\$55,497	\$45,253	\$18,068	\$27,128	\$60,442	\$296,295	59%	Purpose and need submitted, requires additional detail in final version (RP1). Draft EA format submitted (RP2) and approved. No action alternative economic and H&H modeling completed but not yet submitted to NRCS (RP2). Report submitted detailing all evaluated alternatives, and proposing which ones merit further more detailed consideration based on technical evaluation of the alternative in terms of contributions to the purpose and feasibility (RP3). NRCS requested additional detail in some portions of the report on 12/14/17, and asked for two alternatives to be addressed for feasibility. Moore has indicated that the remainder of RP2 and final version of the RP3 submittal are written but going through internal technical review still.	4/25/2016	3/31/2019	70.7%
Upper Maple	Cass County Joint WRD	Moore	\$500,000	\$440,000	\$940,000	\$13,997	\$35,779	\$17,502	\$51,022	\$18,957	\$14,888	\$33,073	\$33,369	\$68,411	\$98,612	\$385,610	77%	Purpose and need submitted, requires additional detail in final version (RP1). Draft EA format submitted (RP2) and approved. No action alternative economic and H&H modeling completed but not yet submitted to NRCS (RP2). Substantial technical work on alternatives completed, including H&H and geotech work, but not yet submitted to NRCS (RP3). Moore has indicated that the remainder of RP2 and RP3 submittals are written but going through internal technical review still. Extension request of 1 year currently being processed by GASB team.	9/24/2015	9/30/2019	66.2%
Swan Creek	Cass County Joint WRD	Moore	\$500,000	\$440,000	\$940,000	\$31,581	\$35,879	\$20,569	\$68,887	\$18,925	\$1,388	\$0	\$0	\$1,976	\$0	\$179,206	36%	Final report provided for NRCS review was approved, Moore preparing hardcopies and electronic data set. NHQ level NRCS has agreed to terminate without penalty, at the request of the WRD with concurrence from RRRRA, pending NRCS approved final report and final invoicing.	9/24/2015	9/30/2018	88.1%
			\$4,500,000													\$1,548,849	34%				

Appendix 3 - Summary of RCPP Watershed Planning Activities for Period November 21, 2017 to May 20, 2018

	WD/WRD - Watershed Name	Agreement Signed	Amendment Signed	Study Area (acres)	Cost Incurred in Previous Reporting Periods	Accomplishments: To May 20, 2018						RCPP Cost	Total
						Plan of Work	Purpose & Need	Env. Document	Alternatives	Env. Affects	Draft Plan	Incurred	Estimated
												To Date	Study Cost
1	Roseau River Watershed - Beltrami Island Area Water Management Project	2/18/2016		93,043	\$93,444	7/11/16 Scoping	10/16/2017, 1/8/18	ongoing				\$124,489	\$715,133
2	Two Rivers Watershed - Klondike Clean Water Retention Project	2/11/2016		113,776	\$179,909	6/30/16 Scoping	7/20/2017	ongoing				\$208,439	\$714,286
3	Middle-Snake-Tamarac Rivers Watershed - J.D. #19 East Park WMA Watershed	2/18/2016		66,270	\$67,839	9/26/16 Scoping	draft 11-30-17	ongoing				\$94,679	\$715,680
4	Middle-Snake-Tamarac Rivers Watershed - J.D. #14 Watershed	2/18/2016		23,068	\$96,818	4/21/16 Scoping	3/19/2018	Under Review				\$122,847	\$715,889
5	Red Lake - Four Legged Lake Watershed	2/10/2016		6,253	\$278,051	7/12/16 Scoping	10/21/16 Draft	Complete	Ongoing			\$324,058	\$378,697
6	Red Lake - Pine Lake Watershed	2/10/2016		29,360	\$467,774	7/12/16 Scoping	3/9/2017	ongoing	Under review			\$713,914	\$757,395
7	Sand Hill - Upper Sand Hill River Watershed	9/14/2016		173,369	\$13,158	8/16/2017 Scoping	18					\$59,423	\$732,360
8	Wild Rice - Green Meadow Sub watershed	3/9/2016		43,310	\$82,090	5/5/16 Scoping	ongoing 1/25/17					\$96,407	\$715,248
9	Wild Rice - Moccasin Creek Sub watershed	3/9/2016		38,799	\$56,073	6/12/17 Scoping	4/25/2018	4/26/2018	ongoing			\$67,949	\$715,283
10	Wild Rice - South Branch Wild Rice River Sub watershed	3/9/2016		165,236	\$57,505	6/12/17 Scoping	4/25/2018	4/28/2018	ongoing			\$131,530	\$715,295
11	Bois de Sioux - Rabbit River	WD Declined		80,136									
12	Bois de Sioux - Bois de Sioux Direct Watershed	4/4/2016		96,328	\$340,939	7/27/16 Scoping	8/10/16 Meeting	3/12/2018	Under review	ongoing		\$538,014	\$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		165,245	\$219,038	2/17/16 Scoping	5/5/16 Draft	ongoing	5/25/16; 8/31/16			\$262,207	\$732,000
15	Forest River - Forest River Watershed	*9/18/2015	5/11/2017	245,300	\$127,554	2/18/16 Scoping	6/22/16 Draft	ongoing	5/25/16; 8/31/16			\$220,737	\$1,428,885
16	Cass County Joint WRD - Upper Maple River Watershed	9/24/2015		187,006	\$312,267	1/6/16 Scoping	7/14/16 Draft	ongoing	2 chosen+No Action	Ongoing		\$550,871	
17	Cass County Joint WRD - Rush River Watershed	9/24/2015		141,929	\$300,370	1/6/16 Scoping	7/1/16 Draft	ongoing	8/2/16; 11/16/16			\$350,994	\$940,000
18	Cass County Joint WRD - Swan Creek Watershed	9/24/2015		87,707	\$253,185	1/6/16 Scoping	6/29/16 Draft		7/25/16; 11/10/16			\$256,008	\$940,000
19	Richland County WRD - North Branch Antelope Creek Watershed	4/26/2016		111,327	\$31,932	11/10/16 Scoping	5/24/2018	ongoing				\$45,617	\$824,000
20	Pembina County WRD - Tongue River Watershed	5/27/2016		67,000	\$102,927	4-5-17 Scoping	11/21/2017 Draft, being revised					\$102,927	\$799,151
21	Sargent County WRD - Shortfoot Creek Watershed	4/25/2016		74,247	\$281,840	6/28/16 Scoping	7/28/16 Draft	ongoing	Under review	Ongoing		\$423,278	\$940,000
22	Roseau River - Whitney Lake Watershed	5/4/2016		47,384	\$268,869	4-28-17 Scoping	8/24/2017	6/1/2018	ongoing			\$450,916	\$757,395
	Roseau River - Lower Roseau Lake Bottom Watershed	Ineligible		109,000									
	Totals for Approved RCPP Studies			2,242,736	\$3,631,581							\$5,145,304	\$15,111,697

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

Appendix 4 - Summary of Partner Non-RCPP Flood Damage Reduction Activities for Period November 21, 2017 to May 20, 2018

Name of Project	WD/WRD Watershed	Cost Incurred	Costs from	Costs for	Cost For	Cost For	Cost For	Total Cost	Total	
		Prior To 21-May-15	May 21, 2015 to 20-May-16	May 21, 2016 to Nov. 20, 2016	Nov. 21, 2016 to May 20, 2017	May 21, 2017 to Nov. 20, 2017	Nov. 21, 2017 to May 20, 2018	Incurring for Project	Project Cost	
Pembina River Watershed in ND:										
Renwick Dam Rehabilitation	Pembina County WRD; Tongue R. Subwatershed		\$250,000				\$0	\$0	\$8,926,418	\$8,926,418
Renwick Dam Gate Retrofit	Pembina County WRD; Tongue R. Subwatershed		\$140,000				\$0	\$0	\$164,722	\$164,722
Renwick Dam Emergency Action Plan	Pembina County WRD; Tongue R. Subwatershed			\$4,490	\$4,734		\$0	\$0	\$79,600	\$79,600
Hydrology Model - Pembina River	Pembina County WRD	\$7,232		\$3,480			\$0	\$0	\$10,712	\$10,712
Pembina River border dike	Pembina County WRD					\$55,948	\$0	\$0		
Detention study - Pembina River	Pembina County WRD	\$52,795	\$110,917	\$20,094	\$19,221		\$0	\$0	\$203,027	\$203,027
Detention study - local between Pembina & Park	Pembina County WRD & Walsh County WRD	\$49,886	\$6,672	\$0	\$0		\$0	\$0	\$56,538	\$56,538
Park River Watershed in ND:										
Hydrology Model - Park River	Walsh County WRD & Pembina County WRD	\$4,531		\$2,393	\$0	\$0	\$0	\$0	\$6,924	\$6,924
Grafton Flood Control Project	City of Grafton			\$475,700	\$676,500	\$2,465,569	\$5,502,331	\$0	\$47,400,000	\$47,400,000
Detention study - Park River	Walsh County WRD & Pembina County WRD	\$116,426	\$23,672	\$23,143	\$2,677	\$0	\$0	\$0	\$165,918	\$165,918
Forest River Watershed in ND:										
Michigan spillway	Nelson County WRD		\$1,060,100	\$384,744	\$0	\$0	\$6,674	\$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		\$11,707				\$0	\$0	\$11,707	\$11,707
Upper Turtle River Dam #4 EAP	Grand Forks County WRD		\$10,820				\$0	\$0	\$10,820	\$10,820
Upper Turtle River Dam #5 EAP	Grand Forks County WRD						\$0	\$0	\$15,000	\$15,000
Upper Turtle River Dam #8 EAP	Grand Forks County WRD		\$11,337				\$0	\$0	\$11,337	\$11,337
Rush River Watershed in ND:										
	Rush River WRD									
Sheyenne River Watershed in ND:										
Sheyenne Diversion Low Flow Improvements	SE Cass WRD - Sheyenne River					\$0	\$0	\$14,000	\$350,000	\$350,000
Valley City - Flood Protection, several phases				\$3,891,881	\$1,953,674	\$1,641,044	\$2,721,859	\$0	\$143,000,000	\$143,000,000
Lisbon - Several Phases				\$278,925	\$1,821,769	\$1,383,702	\$2,913,515	\$0	\$47,000,000	\$47,000,000
McVille Dam	Nelson County WRD		\$15,600			\$0	\$0	\$15,600	\$15,600	\$15,600
Maple River Watershed in ND:										
Lake Bertha Flood Control Project	Cass County Joint WRD				\$0	\$0	\$116,853	\$116,853	\$541,780	\$541,780
Swan Buffalo Detention Dam #5 Improvements	Maple River WRD				\$0	\$150,098	\$0	\$0	\$192,180	\$192,180
Swan Buffalo Detention Dam #8 Improvements	Maple River WRD				\$0	\$0	\$0	\$0	\$183,760	\$183,760
Swan Buffalo Detention Dam #12 Improvements	Maple River WRD				\$0	\$116,263	\$0	\$0	\$168,964	\$168,964
Upper Maple River Dam	Maple-Steele Jt. WRD - Maple River Watershed		\$5,000,000			\$0	\$0	\$8,500,000	\$8,800,000	\$8,800,000
Wild Rice River Watershed in ND:										
Gwinner Dam Study	Sargent County WRD - Wild Rice R. Watershed			\$22,605	\$308	\$4,723	\$424	\$28,060	\$122,410	\$122,410
Upper Wild Rice Watershed Study	Sargent County WRD - Wild Rice R. Watershed		\$136,000			\$0	\$0	\$160,000	\$210,000	\$210,000
Storm Lake Outlet Study	Sargent County WRD - Wild Rice R. Watershed					0	0		\$35,255	\$35,255

