



RED RIVER
RETENTION AUTHORITY

1120 21120 28th Avenue North, Suite C - Fargo, ND 58102 - Phone 701-356-6644

Red River Retention Authority 6 Month Progress Report

Reporting Period 7

May 21, 2018 through November 20, 2018

To

Natural Resource Conservation
Service

For

Regional Conservation
Partnership Program

NRCS Agreement 14-C-ND-669

December 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 May 21, 2018 through November 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. A final technical report was provided to North Dakota NRCS.

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 (68-6633-16-512)

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

A June 2018 map providing the location of the 19 active RCPP studies is shown in **Appendix 1**. Fact sheets for each of the RCPP watersheds studies were developed for use by NRCS, RRRA and SLOs. These fact sheets were posted to NRCS web sites and made available for use in July.

RCPP planning status spreadsheets have been developed by NRCS staff for both MN and ND. These worksheets have been updated for reporting period 7 (see **Appendix 2**). The RRRA has updated their RCPP spreadsheet to show RCPP funds expended during the planning process and specifically for reporting period 7 (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 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 7. In addition to these activities and deliverables there are many days 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.

- 1) Debra Walchuk and I meet in May and June with all Minnesota WD's and NRCS gave an update on the status of RCPP watershed plans.
- 2) Participated in monthly Red River Basin Agricultural BMP Workshop planning team teleconferences. Planning Committee is developing a list of conference speakers and contacting speakers. Workshop is scheduled for April 2019 at the University of Minnesota Crookston campus.
- 3) Provided RRRRA input on June 10th to Senator Hoeven's staff regarding proposed amendments to the PL-566 program by Senator Bennet of Colorado
- 4) Attended the ND Water Topics Legislative Committee meeting on June 13th in Bismarck, ND. Also attended North Dakota Water Coalition meeting on June 13th in Bismarck.
- 5) Attended June 14th ND State Water Commission in Bismarck.
- 6) Participated in Pine Lake Project Work team meeting on Friday June 15th via GoToMeeting.
- 7) I have worked with NRCS to develop RCPP fact sheets for each of the Red River basin's RCPP watersheds
- 8) Attended June 19th RRWMB meeting in Hallock, MN and gave RRRRA report to Board managers.
- 9) Attended Whitney lake RCPP watershed project team meeting in Roseau, MN on June 21, 2018. Also participated in Roseau River WD tour on June 21st.
- 10) Attended June 27th Red River Joint WRD meeting in West Fargo, ND and provided RRRRA report to full WRD Committee.
- 11) The RRRRA Board of Directors met at 10:00 AM, June 29, 2018 at the Cass County Highway Department, 1201 Main Avenue West, West Fargo, ND. Key items discussed were NRCS

grants and agreements, 2019 budget, office sub-lease agreement, RCPP watershed update and Red River Basin Commission Sub-Watershed Planning Pilot project.

NRCS agreement 68-6633-16-512, amendment #1 was signed by RRRRA Co-chairman Thompson. This is a 1-year extension to assist NRCS with RCPP program outreach efforts.

Red Lake WD requested the RRRRA to support amending their cooperative agreement with NRCS to increase RCPP funding (\$200,000) using some of the remaining RCPP funds in NRCS Agreement 14-C-ND -669.

RRRA Board of Directors also discussed NRCS's response concerning Sand Hill Watershed District's continued RCPP watershed planning efforts. NRCS has suggested the RRRRA should have a say in whether the RCPP sub-agreement is continued after October 1, 2018 or if the agreement should be officially withdrawn.

- 12) Developed a draft letter of support to Minnesota and North Dakota Congressmen and Senators informing them of the continued need for flood control and water retention projects in the Red River basin.
- 13) Attended July 17th RRWMB meeting in Wheaton, MN and gave RRRRA report to Board managers.
- 14) Met with Middle-Snake-Tamarac WD Project Team for JD14 watershed in Viking, MN on August 2nd.
- 15) Met with RRJWRD Executive Committee on August 8th in Hillsboro, ND and gave RRRRA report to Committee members.
- 16) Participated in and set-up RRRRA booth at 2018 Official Big Iron Farm Show September 11-13.
- 17) Attended and gave a brief RCPP update on September 6th at 2018 Red River Basin Commission Ex-officio meeting in Moorhead. Provided copy to Congressman Cramer's staff.
- 18) Participated in September 5th Red River Basin Commission tour of Bois de Sioux Direct Watershed and Nordick Farms in Wilkin County. Approximately 45 people participated.
- 19) RRRRA held its quarterly Board meeting on September 5th. Primary points were:
 - RRRRA has made motion to formally contact NRCS and request that Sand Hill WD RCPP Cooperative Agreement 68-6322-16-522 be terminated as of October 1, 2018.
 - RRRRA discussed at length the Red Lake WD request for additional RCPP funds for Pine Lake Watershed. It has determined it may be most expedient for the WD to complete its RCPP watershed plan agreement on its own and position itself to be

eligible for RCPP funds to complete the project design. The RLWD is contemplating whether to continue the RCPP planning process.

- RRRRA Board felt if additional funds were to be provided to one WD/WRD, then all the districts with RCPP watershed agreements should be contacted and a total RCPP funding needs analysis be done. Then based on a priority list, consider providing additional funding. NRCS would like to see remaining RCPP funds be used for insuring at least two watershed projects have funds to complete a project design and be able to have projects “shove, ready”.
- RRRRA signed a letter of support to the ND State Water Commission for completing “Probable Maximum Precipitation Study for North Dakota”

- 20) August 30th and 31st I participated with NRCS staff from Bismarck, ND in meeting with consulting engineers from Houston Engineering, Moore Engineering and Interstate Engineering who are working on the ND RCPP watershed projects. NRCS State Conservation Engineer, Christi Fisher and NRCS hydraulic engineer Jon Peterson went over NRCS comments on draft watershed plans and provided clarification on watershed planning issues.
- 21) August 31st I received email response from State Conservationist Troy Daniell regarding getting Review Point #4 for Whitney Lake Watershed completed. I expressed urgency to get this review completed. Also provided Rob Sip, Executive Director with letter of support for funding Whitney Lake Watershed land purchase opportunity.
- 22) August 28th I attended Beltrami Island State Forest Watershed Project Team meeting in Roseau, MN. Considerable discussion was had regarding the desire to continue RCPP watershed planning. PT felt there was still some problem areas within the watershed that need further analysis before considering whether to discontinue further planning. Another PT meeting will be held after the additional H&H information is gathered and analyzed.
- 23) Participated in Roseau River WD Whitney Lake Project team (PT) meeting on September 20th in Roseau. The WD is making good progress in the RCPP planning process and is looking at land rights and possibly purchasing some property in the watershed. **Note:** They received NRCS comments on September 25th for Review Point #4.
- 24) Provided RRRRA and RCPP information for ND Legislators Water Topics Committee tour on September 25th and prepared a short RCPP watershed planning update report for the September 26th Water Topics Committee meeting to be held at City Commission Room, 200 Third Street, Fargo, ND.

- 25) Attended Red Lake WD meeting on September 27th and discussed with WD board, NRCS and consultant how best to move forward with Pine Lake RCPP Watershed plan. The sponsors have utilized all their RCPP funds and still have several planning steps left to complete before being able to submit the plan to NRCS.
- 26) RRRA made motion to formally contact NRCS and request that Sand Hill WD RCPP Cooperative Agreement 68-6322-16-522 be terminated as of October 1, 2018.
- 27) I participated in part of the JD#19 webinar conducted by Houston Engineering and Middle-Snake-Tamarac WD on October 4th. The participants discussed Project Team past efforts, existing East Park WMA (Nelson Slough) O&M Plan, modifying O&M Plan, and potential alternatives.
- 28) On October 11th I signed, for the RRRA, a joint letter by RRRA, RRWMB, IWI and RRBC to Minnesota U.S. Senators Smith and Klobuchar and Congressman Peterson regarding Federal assistance for completing a LiDAR collection for the entire Red River Basin. Currently there are several Federal agencies funding a LiDAR collect for only North Dakota and a very small portion of Minnesota along the Red River. See attached letter.
- 29) Participated in a Pine Lake RCPP watershed Project Team Committee meeting at Pine Lake on October 19th. The Red Lake WD is evaluating alternatives that have been formulated for the watershed project and evaluating the potential alternatives for their ability to be permitted by MN DNR and USACOE.
- 30) October 23rd I met with Greg Burd, 1200 The Flag radio station to discuss doing outreach on the radio network regarding the RRRA's retention efforts in the basin.
- 31) October 24th I participated in the RRWMB special meeting relating to RRWMB strategic planning, RRWMB funding process and Alternative Flood Damage Reduction projects.
- 32) On October 25th I provided, as required under General Terms and Conditions, Item VII. - Performance Monitoring and Reporting under NRCS contribution agreement **68-6633-16-517** the Red River Retention Authorities (RRRA) information for their final progress report for the period starting April 1, 2018 through September 30, 2018.
- 33) RRRA has agreed to be part of FDRWG strategic planning subcommittee Roger Hemphill, MN DNR is organizing.
- 34) RRRA Secretary/Treasurer Carol Lewis sent in RRRA registration for exhibitor space for the December MAWD and NDWUA and the 2019 RRBC annual conferences.

- 35) October 30th I attended and participated in the RRWMB's Flood Damage reduction Work Group (FDRWG) meeting in Thief River Falls, MN. The FRDWG is working on a new strategic plan update and I'm part of this committee.
- 36) November 2nd I applied for and set-up an USDA Eauthentication site so the RRRA can access the "RCPP Partner Portal" for reporting on the status of RCPP cooperative agreements.
- 37) November 5th I gave a short presentation about RRRA activities in the basin to a class of MSUM students who visited the Red River Watershed Center.
- 38) Attended RRJWRD Executive Committee meeting in Hillsboro, ND on November 7th and gave a RRRA update report.
- 39) Attended a soil health summit "Regenerating Soil with Diversity" at the National Energy Center of Excellence at Bismarck State College in Bismarck, ND on November 8th. Summit had several key speakers and leaders in soil health speak to over 500 participants from multiple states and provinces.
- 40) Met on November 14th with Grand Forks NRCS and SCD staff regarding 2019 soil health workshop in Grand Forks in March.
- 41) Attended Two Rivers Watershed District public meeting for the proposed Klondike Clean Water Retention Project. Meeting was at Lake Bronson State Park.
- 42) Participated in Whitney lake and Roseau lake Bottom Project Team (PT) meetings on November 15th.
- 43) Provided a RRRA update to the Red River Watershed Management Board (RRWMB) Board at their November 20th meeting in Crookston, MN.

Conclusion and Steps Moving Forward

The Watershed Districts and Water Resource Districts have spent approximately \$1,878,000 and NRCS \$4,382,000 during this RCPP planning process. During this past 6-month reporting period the Sponsors and NRCS have spent an estimated \$1,114,827 on planning efforts.

The sponsoring watershed districts and water resource districts and their partners have spent an estimated \$39,575,614 on non-RCPP water resource projects in the basin during this reporting period.

During this reporting period, Shortfoot Creek Watershed sponsors have requested a 1-year extensions from USDA, NRCS on their cooperative agreements. This request is being processed and it is anticipated to be sent to the NRCS National Headquarters RCPP staff for approval and

signed in early calendar year 2019. It is anticipated that several of the Minnesota SLO's will request a 1-year extensions in the spring of 2019.

The RRRRA Board of Managers did receive request from the Red Lake Watershed District for some additional Federal RCPP funds that remain in agreement 14-C-ND-669. The RRRRA Board of Managers addressed these requests at their June quarterly board meeting. The RRRRA consulted with NRCS and declined to provide additional RCPP funds to the Red Lake WD.

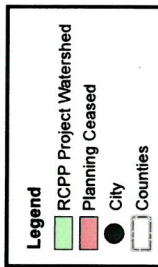
As the RCPP watershed planning moves forward there continues to be several watersheds that need to be monitored closely, on a monthly or at least quarterly basis, so they can achieve planning target dates. Those being: Upper Sand Hill River, North Branch Antelope Creek and Beltrami Island State Forest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

The NRCS State Conservationists and RRRRA Co-chairman didn't meet in November or December. It had been suggested at the NRCS/RRRA April 2018 meeting to meet again and review planning status of the watersheds and to address other RCPP watershed planning topics. A January meeting should be considered.

Red River Basin of the North

RCPP Watershed Project Areas

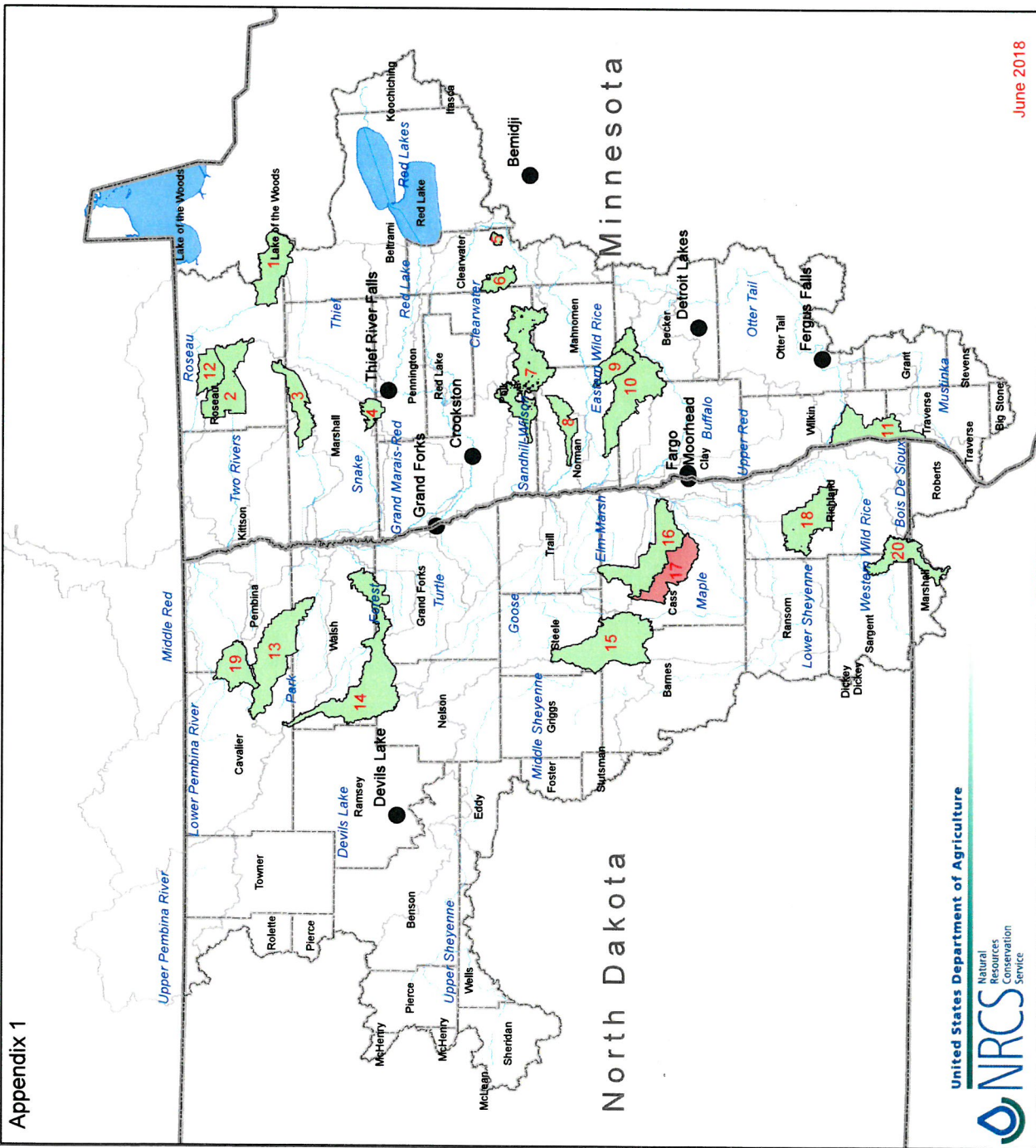
ID	Name
1	Beltrami Island State Forest
2	Klondike
3	Middle-Snake-Tamarac JD-19
4	Middle-Snake-Tamarac JD-14
5	Four Legged Lake
6	Pine Lake
7	Upper Sandhill River
8	Green Meadow
9	Moccasin Creek
10	South Branch Wild Rice River
11	Bois De Sioux Direct
12	Whitney Lake
13	North Branch Park River
14	Forest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



1 in = 29 miles



Miles



June 2018

Appendix 2 - RCPP planning status – Minnesota RCPP Watershed Cooperative agreements Status – November 2018

				ESTMIATED PLANNING COS			NRCS FUNDS EXPENDED																			
AGREEMENT # & WATERSHED PROJECT NAME	SPONSORING LOCAL ORG.	ENGINEER	ACRES	FEDERAL SHARE	SLO SHARE	TOTAL	FY16-Q2	FY16-Q3	FY16-Q4	FY17-Q1	FY17-Q2	FY17-Q3	FY17-Q4	FY18-Q1	FY18-Q2	FY18-Q3	FY18-Q4	TOTAL FEDERAL EXPENDED	% FEDERAL EXPENDED	STATUS	DATE SIGNED	SCHEDULED END DATE	% SCHEDULE EXPIRED	TOTAL MONTHS	REPORT DATE	REPORT MONTHS
68-6322-16-503 Pine Lake Watershed	Red Lake WD	HDR	29,360	500,000	257,395	757,395	\$5,844.14	\$ 33,342.37	\$ 42,946.12	\$ 41,787.90	\$ 54,530.28	\$ 71,444.70	\$ 77,546.06	\$ 80,354.41	\$ 91,943.85	\$ 260.17	\$ -	\$ 500,000.00	100.00%	Pre-planning activities, purpose & need, & scope completed. Additional comments provided for affected environment. Comments provided for submitted alternatives developed.	1/11/2016	9/30/2019	77.32%	45.27	11/26/2018	35.00
68-6322-16-505 Four Legged Lake Watershed	Red Lake WD	HDR	6,253	265,088	113,609	378,697		\$ 24,421.45	\$ 43,186.90	\$ 42,031.55	\$ 36,394.56	\$ 22,861.09	\$ 25,740.27	\$ 26,044.71	\$ 6,160.30	\$ 38,247.17	\$ -	\$ 265,088.00	100.00%	Pre-planning activities, purpose & need, and scope completed. Additional comments provided for affected environment. Development of Alternatives 90% completed.	2/10/2016	9/30/2019	76.81%	44.27	11/26/2018	34.00
68-6322-16-506 Moccasin Creek Sub-watershed	Wild Rice WD	Houston	38,799	500,000	215,295	715,283					\$ 814.80	\$ 31,067.76	\$ 7,368.76	\$ 4,631.35	\$ 3,681.70	\$ 48,050.49	\$ 41,109.25	\$ 136,724.11	27.35%	Pre-planning activities, purpose & need, & scope completed. Affected Environment submitted. Using hydrology & hydraulics models to develop alternatives. Behind budget.	3/9/2016	9/30/2019	76.31%	43.33	11/26/2018	33.07
68-6322-16-508 South Branch of Wild Rice River Watershed	Wild Rice WD	Houston	165,236	500,000	215,295	715,248					\$ 218.40	\$ 14,541.96	\$ 25,493.07	\$ 14,616.85	\$ 37,200.89	\$ 23,816.53	\$ 39,021.97	\$ 154,909.67	31.00%	Pre-planning activities, purpose & need, & scope completed. Affected environment submitted. Using hydrology & hydraulics models to develop alternatives. Behind	3/9/2016	9/30/2019	76.31%	43.33	11/26/2018	33.07
68-6322-16-509 Green Meadow Subwatershed	Wild Rice WD	Houston	43,310	500,000	215,295	715,248	\$ 800.45	\$ 21,671.64	\$ 16,569.51	\$ 11,182.65	\$ 5,410.60	\$ 739.55	\$ 1,088.68	\$ 1,712.20	\$ 8,309.46	\$ 1,941.10	\$ 11,541.40	\$ 80,967.24	16.19%	Pre-planning activities completed. Purpose & need being revised. Developing criteria for Scope. Hydrology & Hydraulic models enhanced to assist with future evaluation of	3/9/2016	9/30/2019	76.31%	43.33	11/26/2018	33.07
68-6322-16-510 Bois de Sioux Direct	Bois de Sioux WD	Moore	96,328	500,000	375,000	875,000		\$ 10,366.86	\$ 20,755.16	\$ 37,040.78	\$ 71,097.39	\$ 38,850.95	\$ 60,545.94	\$ 88,343.50	\$ 49,608.95	\$ 54,012.55	\$ 17,429.30	\$ 448,051.38	89.61%	Pre-planning activities, purpose & need, & scope, & affected environment completed. Continuing data review & economic analysis, continue preliminary design of remaining	4/4/2016	9/30/2019	75.82%	42.47	11/26/2018	32.20
68-6322-16-511 J.D. #14 Flood Damage Reduction Project	Middle-Snake-Tamarac Rivers WD	Houston	23,068	500,000	214,286	714,286	\$1,141.35	\$ 15,266.69	\$ 7,499.20	\$ 26,307.36	\$ 5,964.82	\$ 9,908.30	\$ 1,684.83	\$ 8,305.44	\$ 9,914.97	\$ 6,233.31	waiting for addl. Info.	\$ 92,226.27	18.45%	Pre-planning activities, purpose & need & scope completed. NRCS comments provided for affected environment, task is ongoing. Behind schedule. Progress report received for 12/3/17 thru 6/30/18.	2/19/2016	9/30/2019	76.65%	43.97	11/26/2018	33.70
Beltrami Island State Forest Watershed	Roseau River WD	Houston	93,043	500,000	215,133	715,680		\$ 6,536.47	\$ 28,098.38		\$ 20,458.89	\$ 10,316.99		\$ 21,731.27		\$ 24,633.47	waiting for addl. Info.	\$ 111,775.47	22.36%	Pre-planning activities, purpose & need & scope completed. Needs statement revised, needs review. RRWD indicated it wants to	2/19/2016	9/30/2019	76.65%	43.97	11/26/2018	33.70
Klondike Clean Water Retention Project #11	Two Rivers WD	TRWD	113,776	500,000	214,286	714,286		\$ 14,087.67	\$ 18,495.90	\$ 26,778.88	\$ 42,425.07	\$ 22,581.01	\$ 14,407.04	\$ 7,131.81			\$ 6,890.20	\$ 152,797.58	30.56%	Pre-planning activities, purpose & need and scope completed. Working on affected environment. Behind schedule. Progress	3/4/2016	9/30/2019	76.40%	43.50	11/26/2018	33.23
J.D. #19 Flood Damage Reduc-tion Project -	Middle- Snake-Tamarac Rivers WD	Houston	66,270	500,000	214,286	714,286	\$ 406.35	\$ 4,216.45	\$ 4,829.23	\$ 11,547.07	\$ 7,561.40	\$ 9,867.75	\$ 9,058.95	\$ 10,561.06	\$ 8,227.21	\$ 13,732.99	\$ 27,755.64	\$ 107,764.10	21.55%	Pre-planning activities completed. Revised purpose & needs, & scope submitted needs review. Affected environment submitted &	2/18/2016	9/30/2019	76.67%	44.00	11/26/2018	33.73
Whitney Lake Watershed Project	Roseau River WD	HDR	47,384	500,000	257,395	757,395					\$ 72,322.41	\$ 42,724.42	\$ 73,161.78	\$ 42,889.19	\$ 84,543.08	\$ 47,719.76	waiting for addl. Info.	\$ 363,360.64	72.67%	Pre-planning activities, purpose & need & scope completed. NRCS comments provided for revised affected environment. Developed	5/4/2016	9/30/2019	75.24%	41.47	11/26/2018	31.20
68-6322-16-522 Upper Sandhill River Watershed	Sand Hill River WD	Houston	173,369	500,000	232,360	732,360					\$ 3,292.97	\$ 1,503.08	\$ 4,414.27	\$ 677.96	\$ 31,707.86	\$ 27,167.35	\$ 32,863.57	\$ 101,627.06	20.33%	Pre-planning activities submitted and NRCS comments provided. Behind schedule. Progress report requested to be submitted by	9/14/2016	5/31/2020	59.26%	45.17	11/26/2018	26.77

Appendix 2

RCPP Cooperative Agreements – Red River Basin of the North Minnesota PL-566 Watershed Plans Status of Review Points, November 2018

Agreement # - Name	Current Status
503 – Pine Lake RLWD	Rev Pt #1 – 5/24/16 - Completed Rev Pt #2 – 3/9/17 - Completed Rev Pt #3 – 6/20/17 - Completed Rev Pt #3 – 5/14/18 – Additional comments provided Rev Pt #4 - 6/07/18 – NRCS comments provided Rev Pt #5 – Not received - planned delivery date was 3/30/18 Rev Pt #6 – Not received - planned delivery date was 6/30/18 NRCS RCPP Funds exhausted - waiting what-to-do decision by RLWD
505 – Four-Legged Lake RLWD	Rev Pt #1 – 8/9/16 – Completed Rev Pt #2 – 3/9/2017 - Completed Rev Pt #2 – 6/28/18 – P & N statement has likely changed. Rev Pt #3 – Not received – planned delivery date was 3/30/17 Rev Pt #4 – Not received – planned delivery date was 9/30/17 Rev Pt #5 – Not received – planned delivery date was 3/30/18 Rev Pt #6 – Not received – planned delivery date was 6/30/18 NRCS RCPP Funds exhausted - waiting what-to-do decision by RLWD
506 – Moccasin Creek WRWD	Rev Pt #1 – 8/30/17 – Completed Rev Pt #2 – 11/22/17 - Completed Rev Pt #2 – 6/13/18 - Comments provided for revised RP2 Rev Pt #3 – 4/26/18 – Received – needs review Rev Pt #3 – 8/27/18 – Forwarded to D. Jones Rev Pt #3 – 9/4/18 – Returned to D. Walchuk for review Rev Pt #4 – Not received - planned delivery date was 6/30/18 Rev Pt #5 – Planned delivery date is 12/30/18 Rev Pt #6 – Planned delivery date is 9/30/19
508 – South Branch Wild Rice River WRWD	Rev Pt #1 – 8/30/17 - Completed Rev Pt #2 – 6/13/18 – NRCS comments provided for revised RP2 Rev Pt #3 – 4/28/18 – Received, needs review Rev Pt #3 – 8/27/18 – Forwarded to D. Jones Rev Pt #3 – 9/4/18 – Returned to D. Walchuk for review Rev Pt #4 – Not received – planned delivery date was 9/30/18 Rev Pt #5 – Planned delivery date is 12/30/18 Rev Pt #6 – Planned delivery date is 9/30/19
509 – Green Meadow Sub Watershed WRWD	Rev Pt #1 – 7/14/16 Completed Rev Pt #2 – 2/15/17 – NRCS comments provided Rev Pt #2 – 11/26/18 – Awaiting revised Purpose & Need statements Rev Pt #3 – Not received - planned delivery date was 3/30/17 Rev Pt #4 – Not received – planned delivery date was 9/30/18 Rev Pt #5 – Planned delivery date is 3/30/19 Rev Pt #6 – Planned delivery date is 9/30/19 WRWD inquired about extension beyond 1 year (July 2018)
510 – Bois de Sioux Direct Watershed BDSWD	Rev Pt #1 – 6/30/16 - Completed Rev Pt #2 – 8/10/17 – Completed Rev Pt #3 – 3/12/18 – NRCS comments provided Rev Pt #4 – 10/9/18 – Received, needs review Rev Pt #4 – 10/26/18 – NRCS comments provided Rev Pt #4 – Need to forward to NWMC Rev Pt #5 – Not received - planned delivery date was 9/30/18 Rev Pt #6 – Planned delivery date is 12/30/18

511 – JD #14 MSTWD MSTRWD	Rev Pt #1 – 7/27/16 – Completed Rev Pt #2 – 3/19/18 – NRCS comments provided. Rev Pt #2 – 3/22/18 – Final version received with requested change made. Rev Pt #3 – 2/16/18 – Received, needs review Rev Pt #3 – 7/30/18 – NRCS comments provided Rev Pt #4 – Planned delivery date is 3/30/19 Rev Pt #5 – Planned delivery date is 3/30/19 Rev Pt #6 – Planned delivery date is 9/30/19
512 – Beltrami Island State Forest RRWD	Rev Pt #1 – 9/26/16 – Completed Rev Pt #2 – 10/16/17 – Completed Rev Pt #2 – 1/9/18 - Received revised needs statement, needs review Rev Pt #3 – Not received – planned delivery date was 12/30/16 Rev Pt #4 – Planned delivery date is 12/30/18 Rev Pt #5 – Planned delivery date is 12/30/18 Rev Pt #6 – Planned delivery date is 9/30/19 RRWD indicated it wants to cease planning (5/9/18)
513 – Klondike Clean Water Project TRWD	Rev Pt #1 – 11/28/16 - Completed Rev Pt #2 – 7/20/17 – Completed Rev Pt #3 – Not received - planned delivery date was 9/30/18 Rev Pt #4 – Planned delivery date is 12/30/18 Rev Pt #5 – Planned delivery date is 3/30/19 Rev Pt #6 – Planned delivery date is 9/30/19
514 – JD #19 MSTWD MSTRWD	Rev Pt #1 – 8/30/16 - Completed Rev Pt #2 – 4/27/18 - Received revision, needs review Rev Pt #2 – 8/27/18 – Forwarded to D. Jones Rev Pt #2 – 9/4/18 – Returned to D. Walchuk for review Rev Pt #3 – 3/28/18 – Received, needs review Rev Pt #3 – 8/27/18 – Forwarded to D. Jones for review Rev Pt #3 – Re-assigned to D. Walchuk for review Rev Pt #4 – Planned delivery date is 3/30/19 Rev Pt #5 – Planned delivery date is 3/30/19 Rev Pt #6 – Planned delivery date is 9/30/19
515 – Whitney Lake RRWD	Rev Pt #1 – 5/17/17 – Completed Rev Pt #2 – 8/24/17 – Completed Bi-annual status report – none received as of 8/17/18. Rev Pt #3 – 6/1/18 – NRCS comments provided Rev Pt #3 – 6/13/18 – received revision. Needs review Rev Pt #3 – 7/31/18 – Comments provided Rev Pt #3 – 8/3/18 – Received revised RP3. Needs review Rev Pt #3 – 8/27/18 – Revised. Forwarded to D. Jones for review Rev. Pt #3 – 9/4/18 – Returned to D. Walchuk for review? Rev Pt #4 – 6/25/18 – received, needs review Rev Pt #4 – 8/27/18 – Forwarded to D. Jones for review. Rev Pt #4 – 9/24/18 & 9/26/18 – NRCS comments provided. Rev Pt #4 – Need to forward to NWMC when additional info is rec'd Rev Pt #5 – Not received. Planned delivery date was 9/30/18 Rev Pt #6 – Planned delivery date is 3/30/19
522 – Upper Sandhill Watershed SHRWD	Rev Pt #1 – 2/2/18 – Received, needs review. Rev Pt #1 – 10/22/18 – NRCS comments provided Rev Pt #2 – Not received – planned delivery date was 6/30/17 Rev Pt #3 – Not received – planned delivery date was 12/30/17 Rev Pt #4 – Planned delivery date is 3/30/19 Rev Pt #5 – Planned delivery date is 6/30/19 Rev Pt #6 – Planned delivery date is 5/31/2020 NRCS notified SHRWD that no changes will be made to agreement based upon RRRR recommendations (11/22/18)

Appendix 2 - North Dakota RCPP Watershed Cooperative Agreements Status - November 2018

NORTH DAKOTA RED RIVER RCPP WATERSHED PLANNING UPDATE - 11/9/18

Estimated Planning Costs				NRCS Funds Expended															% Federal Expended	Start Date	Sch End Date	% Schedule Expired
Contact	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	FY18-Q3	FY18-Q4	Total Fed Expended					
Forest River	Jennifer Lindenberger wcarb@nd.gov 352-0081	\$1,000,000		\$1,428,885	\$0	\$6,792	\$25,257	\$32,033	\$2,843	\$960	\$17,615	\$6,631	\$27,782	\$34,603	\$18,514	\$22,936	\$195,966	20%	9/18/2015	6/30/2019	83.1%	
Rush River	Carol Lewis 298-2381 lewis@casscountnynd.gov	\$500,000	\$440,000	\$940,000	\$17,273	\$34,891	\$11,835	\$46,724	\$18,859	\$1,371	\$1,939	\$77,378	\$14,153	\$21,284	\$15,241	\$23,608	\$284,545	57%	9/24/2015	9/30/2019	77.8%	
NB Antelope Creek	Monica Zentgraf 642-7773 mzentgraf@co.richland.nd.us	\$500,000	\$324,000	\$824,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,932	\$0	\$0	\$0	\$0	\$0	\$31,932	6%	4/26/2016	9/30/2019	74.0%
Tongue River	LuAnn Kemp 265-4511 lkemp@nd.gov	\$500,000	\$299,151	\$799,151	\$0	\$0	\$0	\$0	\$0	\$0	\$57,546	\$14,503	\$0	\$42,497	\$0	\$0	\$0	\$114,546	23%	5/27/2016	6/1/2019	81.5%
Shortfoot Creek	LuAnn Kemp 265-4511 lkemp@nd.gov	\$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	\$24,177	\$22,936	\$230,658	46%	9/16/2015	9/30/2019	78.0%	
Upper Maple River	Sherry Hoford 724-6241 sherryhoford@co.sargent.nd.us	\$500,000	\$440,000	\$940,000	\$0	\$0	\$29,620	\$26,309	\$33,978	\$55,497	\$45,253	\$18,068	\$27,128	\$60,442	\$42,332	\$23,608	\$362,235	72%	4/25/2016	3/31/2019	86.7%	
Swan Creek	Carol Lewis 298-2381 lewis@casscountnynd.gov	\$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	\$32,373	\$41,601	\$459,584	92%	9/24/2015	9/30/2019	77.8%	
	Carol Lewis 298-2381 lewis@casscountnynd.gov	\$500,000	\$440,000	\$940,000	\$31,581	\$35,879	\$20,569	\$68,887	\$18,925	\$1,388	\$0	\$0	\$1,976	\$0	\$8,131	closed	\$187,336	37%	9/24/2015	9/30/2018	100.0%	
\$4,500,000																		\$1,866,802	41%			

Accomplishments: To November 20, 2018										RCPP Cost		Total	
WD/WRD - Watershed Name	Agreement Signed	Amendment Signed	Study Area (acres)	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	7/11/16 Scoping	10/16/2017, 1/8/18	ongoing				\$111,776	\$715,133		
2. Two Rivers Watershed - Klondike Clean Water Retention Project	2/11/2016		113,776	6/30/16 Scoping	7/20/2017	ongoing				\$153,798	\$714,286		
3. Middle-Snake-Tamarac Rivers Watershed - J.D. #19 East Park WMA Watershed	2/18/2016		66,270	9/26/16 Scoping	draft 11-30-17, 9-4-18	8/27/2018				\$107,764	\$715,680		
4. Middle-Snake-Tamarac Rivers Watershed - J.D. #14 Watershed	2/18/2016		23,068	4/21/16 Scoping	3/22/2018	7/30/2018				\$92,226	\$715,889		
5. Red Lake - Four Legged Lake Watershed	2/10/2016		6,253	7/12/16 Scoping	10/21/16 Draft, 6-28-18	Ongoing	Ongoing			\$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		\$500,000	\$757,395		
7. Sand Hill - Upper Sand Hill River Watershed	9/14/2016		173,369	8/16/2017 Scoping	ongoing 6-30-18	ongoing				\$101,627	\$732,360		
8. Wild Rice - Green Meadow Sub watershed	3/9/2016		43,310	5/5/16 Scoping	1/25/17, 11-26-18	ongoing				\$80,967	\$715,248		
9. Wild Rice - Moccasin Creek Sub watershed	3/9/2016		38,799	6/12/17 Scoping	4/26/2018	8/27/2018	ongoing			\$136,724	\$715,283		
10. Wild Rice - South Branch Wild Rice River Sub watershed	3/9/2016		165,236	6/12/17 Scoping	6/13/2018	4/28/2018	ongoing			\$154,909	\$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	7/27/16 Scoping	8/10/17 Meeting	3/12/2018	10/26/18	ongoing		\$448,051	\$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	2/17/16 Scoping	5/5/16 Draft	ongoing	5/25/16; 8/31/16	Ongoing		\$230,658	\$732,000		
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		\$195,966	\$1,428,885		
16. Cass County Joint WRD - Upper Maple River Watershed	9/24/2015		187,006	1/6/16 Scoping	7/14/16 Draft	ongoing	2 chosen+No Action	Ongoing		\$459,584	\$940,000		
17. Cass County Joint WRD - Rush River Watershed	9/24/2015		141,929	1/6/16 Scoping	7/1/16 Draft	ongoing	8/2/16; 11/16/16	Ongoing		\$284,545	\$940,000		
18. Cass County Joint WRD - Swan Creek Watershed	9/24/2015		87,707	1/6/16 Scoping	6/29/16 Draft	ongoing	7/25/16; 11/10/16	Ongoing		\$187,336	\$940,000		
19. Richland County WRD - North Branch Antelope Creek Watershed	4/26/2016		111,327	11/10/16 Scoping	5/24/2018 11/21/2017 Draft, being revised	ongoing				\$31,932	\$824,000		
20. Pembina County WRD - Tongue River Watershed	5/27/2016		67,000	4-5-17 Scoping		ongoing				\$114,546	\$799,151		
21. Sargent County WRD - Shortfoot Creek Watershed	4/25/2016		74,247	6/28/16 Scoping	7/28/16 Draft	ongoing	Under review	Ongoing		\$362,235	\$940,000		
22. Roseau River - Whitney Lake Watershed	5/4/2016		47,384	4-28-17 Scoping	8/24/2017	6/1/2018	9/26/18	Ongoing		\$363,360	\$757,395		
Roseau River - Lower Roseau Lake Bottom Watershed	Ineligible		109,000										
Totals for Approved RCPP Studies			2,242,736							\$4,382,092	\$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 18 on 5-11-17

Appendix 4 - Summary of Partner Flood Damage Reduction Activities in Red River Watershed - For Period from May 21, 2018 through November 20, 2018

Name of Project		Costs from May 21, 2015 to 20-May-16	Costs for May 21, 2016 to 20-May-17	Cost For May 21, 2017 to Nov. 20, 2017	Cost For Nov. 21, 2017 to May 20, 2018	Cost For May. 21, 2018 to Nov. 20, 2018	Total Cost Incurred for Project	Total 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
Renwick Dam Emergency Action Plan	Pembina County WRD; Tongue R. Subwatershed		\$9,224		\$0	\$0		\$79,600
Hydrology Model - Pembina River	Pembina County WRD		\$3,480		\$0	\$0	\$10,712	\$10,712
Pembina River border dike	Pembina County WRD			\$55,948	\$0	\$0		\$10,712
Detention study - Pembina River	Pembina County WRD	\$110,917	\$39,315		\$0	\$0	\$203,027	\$203,027
Detention study - local between Pembina & Park	Pembina County WRD & Walsh County WRD	\$6,672	\$0		\$0	\$0	\$56,538	\$56,538
Herzog Dam Gate Repair	Pembina County WRD; Tongue R. Subwatershed					\$3,679		
Park River Watershed in ND:								
Hydrology Model - Park River	Walsh County WRD & Pembina County WRD		\$2,393		\$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	\$165,918	\$47,400,000
Detention study - Park River	Walsh County WRD & Pembina County WRD	\$23,672	\$25,820		\$0	\$0		\$165,918
Forest River Watershed in ND:								
Michigan spillway	Nelson County WRD	\$1,060,100	\$384,744		\$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:						\$0		
Sheyenne River Watershed in ND:								
Sheyenne Diversion Low Flow Improvements	SE Cass WRD - Sheyenne River				\$0	\$0	\$14,000	\$350,000
Valley City - Flood Protection, several phases			\$5,845,555	\$1,641,044	\$2,721,859	\$4,546,076		\$143,000,000
Lisbon - Several Phases			\$2,100,694	\$1,383,702	\$2,913,515	\$2,007,995	\$15,600	\$47,000,000
McVillie Dam	Nelson County WRD	\$15,600		\$0	\$0	\$0		\$15,600
Maple River Watershed in ND:								
Lake Bertha Flood Control Project	Cass County Joint WRD		\$0		\$116,853	\$0	\$116,853	\$541,780
Swan Buffalo Detention Dam #5 Improvements	Maple River WRD		\$0	\$150,098	\$0	\$0		\$192,180
Swan Buffalo Detention Dam #8 Improvements	Maple River WRD		\$0		\$0	\$0		\$183,760
Swan Buffalo Detention Dam #12 Improvements	Maple River WRD		\$0	\$116,263	\$0	\$0		\$168,964
Upper Maple River Dam	Maple-Steele Jt. WRD - Maple River Watershed	\$5,000,000		\$0	\$0	\$0	\$8,500,000	\$8,800,000

Appendix 4 - Summary of Partner Flood Damage Reduction Activities in Red River Watershed - For Period from May 21, 2018 through November 20, 2018

Name of Project	Costs from May 21, 2015 to 20-May-16	Costs for May 21, 2016 to 20-May-17	Cost For May 21, 2017 to Nov. 20, 2017	Cost For Nov. 21, 2017 to May 20, 2018	Cost For May 21, 2018 to Nov. 20, 2018	Total Cost Incurred for Project	Total Project Cost
Wild Rice River Watershed in ND:							
Gwinner Dam Study			\$4,723	\$424	\$0	\$28,060	\$122,410 Note 1B
Upper Wild Rice Watershed Study	\$136,000		\$0	\$0	\$0	\$160,000	\$210,000
Storm Lake Outlet Study			0	0	0		\$35,255
Bois de Sioux Watershed in MN:							
Redpath Impoundment							
North Ottawa Impoundment	\$27,388			NR	\$439,561	\$8,529,907	\$34,000,000
	\$866,542			NR	\$44,192	\$18,507,848	\$18,900,000
Middle-Snake-Tamarac Watershed in MN:							
New Folden				\$43,065	\$89,798		
Swift Coulee				\$17,348	\$27,238		
Red lake Watershed in MN							
Black River Watershed							
West Side Flood Damage Reduction Project		\$170,684	\$588,665	\$262,090	\$179,422	\$2,535,471	
					\$171,442	\$287,643	
Roseau River Watershed in MN:							
RRWMA				\$50,751	NR		
Roseau Lake				\$318,187	NR		
Sand Hill Watershed in MN							
				NR	NR		
Two Rivers Watershed in MN							
				NR			
					\$122,000		
Wild Rice River Watershed in MN							
Halstad Levee Improvement	\$129,803	\$218,665	\$62,256	\$85,749	\$1,626,228		
Goose Prairie WMA	\$11,623	\$35,761	\$5,119	\$70,488	\$44,577		
Lower Wild Rice Corridor	\$20,621	\$16,925	\$8,167	\$13,127	\$17,188		
Red River Mainstem:							
Oslo Access Project				\$65,992	\$0		
FM Diversion	\$98,360,000	\$131,266,627	\$40,402,817	\$29,369,902	\$19,030,810	\$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 Flood Damage Reduction Activities in Red River Watershed - For Period from May 21, 2018 through November 20, 2018

Name of Project	WD/WRD Watershed	Costs from May 21, 2015 to 20-May-16	Costs for May 21, 2016 to 20-May-17	Cost For May 21, 2017 to Nov. 20, 2017	Cost For Nov. 21, 2017 to May 20, 2018	Cost For May 21, 2018 to Nov. 20, 2018	Total Cost Incurred for Project	Total Project Cost
Entire Watershed:								
Comprehensive Watershed Management Plan	Red River Watershed							
USGS Stream Gages - FY 2017	Red River Watershed	\$619,405	\$435,263	\$238,500	\$238,500	\$0	\$330,000	\$1,000,000
Regional Detention	Red River Watershed	\$1,080	\$4,421	\$1,725	\$17,891	\$210,509	\$28,417	Note 6
Nutrient Management	RRBC					\$0		Note 7
Totals for Partners Projects		\$106,898,307	\$141,820,434	\$47,124,595	\$41,901,227	\$39,575,614		\$2,764,196,524
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 October 2017 and April 2018. Assumed SWC cost share at 35% for engineering cost.								
Note 1B: Only RRUWRD costs shown.								
Note 1C: Only SWC costs shown.								
Note 2: Recent cost estimated by comparing SWC spreadsheet from October 2017 and April 2018. Assumed SWC cost share at 80% for construction.								
Note 3: Recent cost estimated by comparing SWC spreadsheet from October 2017 and April 2018. Assumed SWC cost share at 85% for construction.								
Note 4: \$1.4B non-federal cost; Comparison of April 30, 2018 and September 30, 2018 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 (RRUWRD of ND, RRUWRD of MN, ND SWC, MNDNR) portion for FY 2018.								
Note 7: \$230,000 non-fed., \$754,086 federal; payment shown is from RRUWRD								