

Klondike (Two Rivers WD) – Cost \$34 M: RRWMB \$7.2 M committed, LSOHC \$2.9 M committed, MN DNR has committed \$250,000 and have applied for \$16 M awaiting State of MN Bonding; Construction: expected Phase 1 construction 2024, expected Phase 2 construction 2025, expected Phase 3 construction 2026; Engineering: Preliminary Eng. 100%, Final Eng. 90%; ROW/land acq./Other: ROW 2022/2023, Operating plan draft completed, Permitting/environmental review 2022/2023.

Shortfoot Creek (Sargent County WRD) – RCPP watershed project in Sargent County. Low cost/benefit ratio approximately 10 channel mile long of the stream. It has 28 different landowners to work with, more necessitates a revision to plan to include water quality and wildlife features. Will be basis for NED exception. Prelim planning currently underway. Biomass harvesting will be implemented as part of operations plan. Project involves single detention site: #7 with gated release, total storage is 4,055 ac- ft, construction cost \$ 8.0 million. Due to congressional approval requirements an EIS ROD will be done.

JD14 (Middle-Snake-Tamarac WD) - Cost: \$6.5M, desired alternative is selected, detail design is in process, EAW has been completed and the WD Board approved it, pending some of the comments to be addressed in the design/permitting process. Project funding sources are expected to be MN FHM (50%),RRWMB (33%), MSTRWD (17%).

Tongue River Dams Rehab (Pembina County WRD) – Supplemental watershed plan to rehabilitate Senator Young, Olson, and Bourbanis dams is progressing with an anticipated submittal of draft plan to NWMC March 2023, anticipated design late 2023.

Fordville Dam Rehab (Grand Forks County WRD) – Supplemental watershed plan to rehabilitate Fordville Dam is progressing with an anticipated submittal of draft plan to NWMC March 2023. Watershed rehab funding will be used for final design in 2023-24, and then construct.

Larimore Dam Rehab (Grand Forks County WRD) – Supplemental watershed plan to rehabilitate Larimore Dam is progressing with an anticipated submittal of draft plan to NWMC March 2023. Watershed rehab funding will be used for final design in 2023-24, and then construction.

Bylin Dam Rehab (Walsh County WRD) – Draft Supplemental watershed plan to rehabilitate Bylin Dam was submitted to NWMC May 2022. Watershed rehab funding will be used for final design in 2023-24, and construction when Sponsor is ready.

Matecjek Dam Rehab (Walsh County WRD) – Supplemental watershed plan to rehabilitate Matecjek Dams is progressing. Project schedule delayed by 6 months to allow for supplemental geologic investigation. Plan authorization anticipated in February 2023.

NB Antelope Creek (Richland County WRD) – RCPP watershed project (Drain 95 site) in Richland County. Given low cost/benefit ratio it is necessary to revise prelim designs to include water quality and wildlife features. Necessary for basis for NED exception request. Waiting on engineering firm for cost estimate.

Lower Wild Rice Corridor (Wild Rice WD) – Cost TBD, planning underway. Some Lessard - Sam's Outdoor Heritage Council funding has been earmarked, but not yet received.

Upper Turtle River Dam 10 (Grand Forks County WRD) – Watershed Operations funds were approved by NRCS in 2020. Potential purposes of the dam include flood damage reduction, irrigation water (via surface storage or aquifer recharge basins), and/or recreation. Surveying, geotech investigation, H&H modeling for existing conditions complete. Anticipate completion of draft plan in 2023.

Crooked Creek (Sargent County WRD) – Watershed Operations funds approved by NRCS in 2021 for anew watershed planning start. Flood damage reduction, watershed protection, and/or recreation expected for the project purpose. Anticipate completion of draft plan in late 2023.

Swift Coulee Channel Restoration (Middle- Snake- Tamarac Rivers WD) – The project will restore the meandering channel and add a controlled flood plain in the form of second stage of the channel in approximately 10 channel mile long of the stream. It has 28 different landowners to work with, more than 90% of them are onboard with the project. Best alternative was selected in 2021 and received the USACE's CP#3 approval. Total project cost is estimated at \$7M. the first phase which would be to purchase the easement is estimated to cost \$1M. Project potential partners would be: MSTRWD, RRWMB, DNR(FHM), NRCS (WREP), MPCA/BWSR (Stream Restoration Grant already approved \$500k);BWSR CWF.

The project will restore the meandering channel and add a controlled flood plain in the form of second stage of the channel in the form of second stage of the channel in approximately a 10 mile channel



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2023 Red River Basin Priority Watershed Projects

The By-laws of the Red River Retention Authority (RRRA) state the Authority will prioritize retention projects in the Red River Basin (RRB). The following **2023** watershed project priority list is based on the project status and how close it is to being “shovel ready”. Is the planning done, land rights secured, permits secured, and adequate funds secured?

The top flood retention watershed projects recognized by the RRRA for 2023 are:

Goose Prairie WMA Enhancement Project – WRWD Project 45 (Wild Rice WD) — Total cost \$1.9M, RRWMB Step 2 (5/2019) \$0.400 M, expected construction 2022 – 24 months to construct, Planning, Design and Permitting are nearly 95% complete, improves wildlife habitat in Goose Prairie Marsh (GP WMA); reduces risk of downstream flooding. The balance of funds is from the Wild Rice Watershed District (WRWD) and Minnesota state funds.

Redpath (Bois de Sioux WD) - Total cost \$53.4M, Engineer's Report complete, all Federal and State permits approved, land acquisition complete, Phase 1 constructed in 2022, Phase 2a construction in 2023. \$15.5M RRWMB STar Funding, \$5.5M MN FHM, \$2.7M LCCMR, \$2.4M LSOHF, \$1.1M BWSR CWF, \$507K RRWMB Water Quality Grant. Seeking FM Diversion Authority funding. A minimum appropriation of \$13.1M is needed from the State of Minnesota to complete construction, looking to 2023 legislative session for funding.

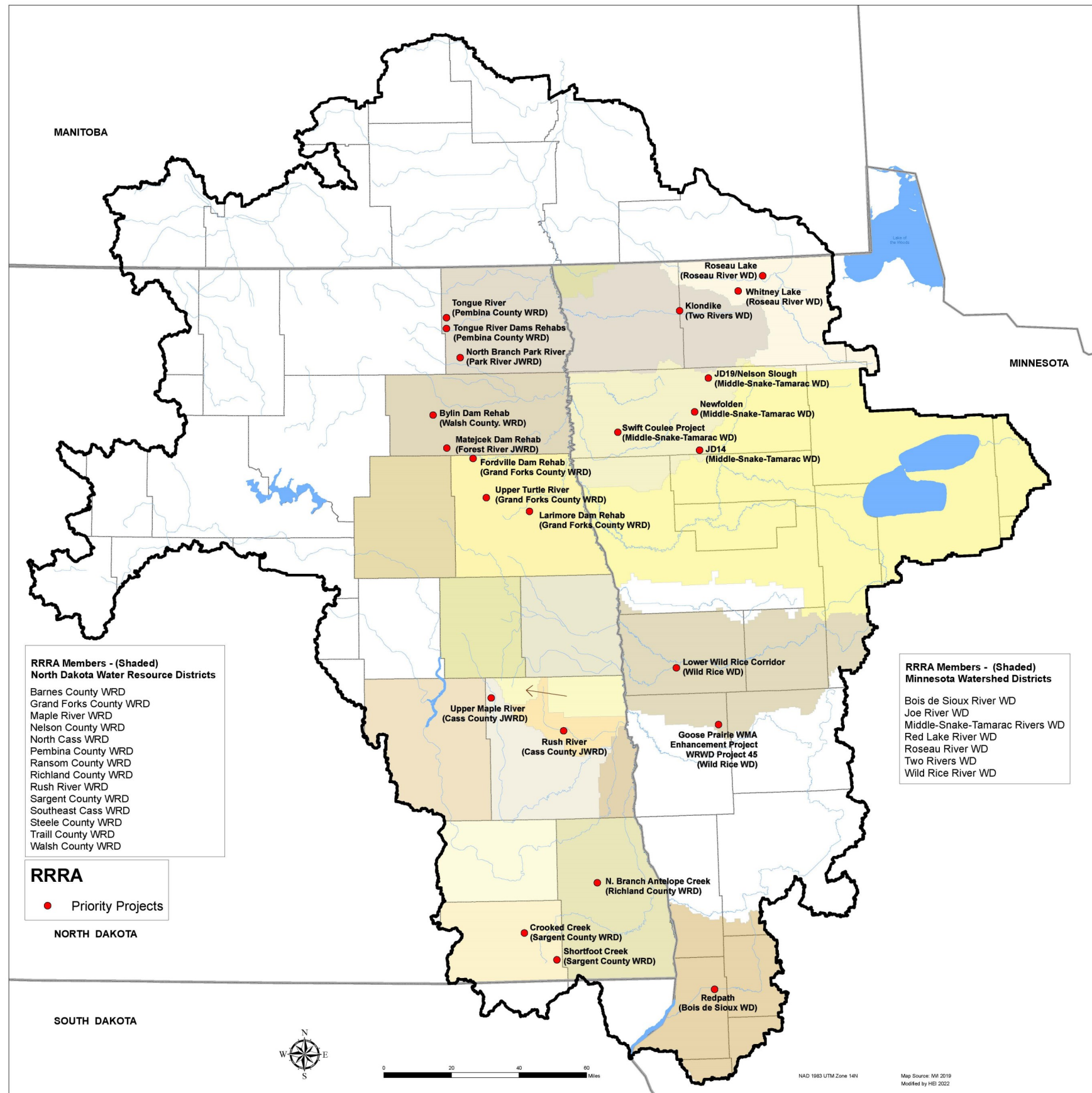
Newfolden (Middle-Snake-Tamarac WD) – Total cost \$8.2 M, construction start in 2022, preliminary engineering is complete. land rights discussions in progress with existing landowners. Final design, plans, and specs are expected in 2022. EAW is not needed. The Railroad Bridge permits have been acquired, permits for the impoundment are in progress. Primary purpose is to remove the City of Newfolden from 100-yr. floodplain while contributing to the reduction of peak flows and volume to the Red River. Project proposers have been asked to apply for community protection funds through the state of MN. If received, it could reduce RRWMB funds needed. Total RRWMB commitment presently is \$2.4million.

Rush River (Cass County JWRD) – This is a Regional Conservation Partnership Program (RCPP) generated project, supported by the RRRA. Although not a retention project it does protect the city of Amenia. NRCS has worked with RRRA to complete project. NRCS has approved the watershed plan and has entered into a \$480,000 agreement with watershed sponsor to complete the final design. NED alternative is a 2.2 mile levee around the City of Amenia with interior stormwater pond and pump station. Construction cost estimate \$2.6 million.

North Branch Park River (Park River JWRD) – NRCS approved sponsor preferred plan but is requiring an EIS be prepared. Final design agreement will be prepared. Design will take 12 to 18 months to complete. Preferred 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 substantial downstream water quality improvements (average annual reduction of 66% TP, 73% TN, 42% TSS). Estimate construction cost \$9.7 million. Landowners in that area have been pursuing assistance for many years.

Tongue River (Pembina County WRD) –This is a Regional Conservation Partnership Program (RCP) generated project supported by the RRRA. The project generates flood damage reduction through retention on the natural floodplain and within floodplain excavations, however its primary purpose is to halt the delivery of 55,000 tons/year of sediment and 84,000 lbs./year of phosphorus to the Renwick Dam reservoir. The watershed plan is under review at the NWMC, then address edits send revised plan to NHQ for review, edits made, a FONSI issued, and 60-day public comment period completed. Upon plan authorization, Watershed Operations funding will be utilized for final design work. Project has a benefit-cost ratio of 4:1, has a construction cost of \$ 4.8 million. Final design in 2022, construction in 2023, local funds have been secured.

JD19/Nelson Slough (Middle-Snake-Tamarac WD) – Estimated Cost \$8.8 M, expected construction start: 2023, estimated construction time: 1.5 years, Since DNR owns land and Marshall County owns JD#19, and the MSTRWD receives benefit from the project's flood control feature coordination on O&M plan has already started. EAW is being completed. Permitting - the Joint Permit application was submitted in June 2021. Funding: FHM- dependent on MNDNR's NRE fund. LSOHC - application to LSOHC was reviewed, currently waiting on their decision. The remainder of funding needs anticipated from RRWMB, MSTRWD and Mar-



Whitney Lake (Roseau River WD) - Site C

\$2M, Site A \$6M, (Drainage component funding will be local/private), RRWMB \$2.3 M, 2022 (Site C) – 12 months to construct, 2023 (Site A) - 12 months to construct, Site C has one landowner, willing to sell, WD preparing offer, Concurrence Point 3 approved, Needs onsite wetland delineation, but not complex. EAW possibly not necessary, design for site C at 60%.

Project includes Site A, Site C, and drainage improvements. RRWMB commitment for Site C is \$675,000.

Upper Maple River (Cass County JWRD)

Draft watershed plan is being revised with only retention site 2A. An NED exception due to low cost/benefit ratio will be granted for the revise plan which includes water quality and wildlife features to get NED exception. Biomass harvesting will be implemented as part of operations plan. After draft plan is completed, a request for NED exception, then submit for NWMC review, complete edits, submit for NHQ review, complete edits, issue EIS ROD and complete 60-day public comment period for authorization. Project involves one detention site: #2A is a 2.3-mile-long embankment with gated release, total storage capacity 2,863 ac-ft, \$20.5 million cost.

Roseau Lake (Roseau River WD) –Cost

\$15M, RRWMB \$3.0 M, expected construction start in 2022 or 2023. First phase possibly completed in 12 months, much of land is public. Need to complete survey; then proceed with land acquisitions in early 2022. Concurrence Point 3 approved, EAW nearly ready to publish, Design 90%complete, Plans & specs. in preparation, Phased construction, starting on public lands, some landowners oppose, but project can begin while continuing to negotiate