- **Newfolden (Middle-Snake-Tamarac WD)** – Total cost $7.7 M, RRWMB $1.4 M, expected construction start in late 2021, preliminary engineering is complete. land rights discussions in progress with existing landowners. Final design, plans, and specs are expected in early 2021. EAW, if needed, will be completed during a during final design phase. Permits will be completed in a future phase.. 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 $2.4 million.

- **Shortfoot Creek (Sargent County WRD)** – RCPP watershed project in Sargent County. It is anticipated the project would be ready for design phase in 2021 if watershed plan and exception request are approved by NRCS. Construction cost to be determined (TBD).

- **JD19/Nelson Slough (Middle-Snake-Tamarac WD)** – Cost TBD, RRWMB $ TBD, expected construction 2022, estimated construction time TBD, Recent discussions have clarified operational requirements and necessary configuration & capacity of outlet works from Nelson Slough (in East Park WMA).

- **Klondike (Two Rivers WD)** – Cost $28.6 M, RRWMB $7.2 M, expected Phase 1 construction 2022, expected Phase 2 construction 2023, expected Phase 3 construction 2024, Preliminary Eng.: 100%, Final Eng. 90%, ROW/land acq.: 60%, Operating plan: 2021, Permitting/env. rev: 2021.

- **Tongue River (Pembina County WRD)** – Project involves river restoration and floodplain excavations with minor retention features. Currently working on final economics and drafting the Plan/EA document. Some additional survey work being completed to develop a more accurate construction cost estimate (TBD) and generate more detailed conceptual design drawings for the plan. Anticipated plan approval in 2021, design in 2022 and possible construction start in 2023.

- **Green Meadow (Wild Rice WD)** – Cost TBD, RCPP planning underway.

- **South Branch Wild Rice (Wild Rice WD)** – Cost TBD, RCPP planning underway

- **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

- **JD14 (Middle-Snake-Tamarac WD)** – Cost TBD, RCPP watershed planning underway

- **Upper Turtle River Grand Forks County WRD)** – Watershed was approved for NRCS planning funds in 2020. Field working progressing. Draft watershed plan anticipated in 2022.

- **Crooked Creek Sargent County WRD)** – Watershed planning assistance was approved by NRCS in fall 2020. Field work and inventorying of resource concerns will begin in spring 2021. Anticipate a draft plan in 2022 -2023.

RED RIVER RETENTION AUTHORITY

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

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 2021 watershed project priority list is based on knowledge of 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 Red River Retention Authority for 2021 are:

- **Black River (Red Lake WD)** – Total cost $8.4 M, Red River Watershed Management Board (RRWMB) $5.922 M, construction year 2020, expected construction - 18 months, Land acquired, Final design completed, Permitting completed, construction started, Working on diversion ditch easements.

- **North Branch Park River (Park River JWRD)** – NRCS approved sponsor preferred plan. 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 $6.7 million. Landowners in that area have been pursuing assistance for many years.

- **Redpath (Bois de Sioux WD)** – Total cost $34.6 M, RRWMB $5. 667 M, desired construction year 2021, expected construction - 48 months, Engineer's Report 95%/Design 95%/Land Acquisition 99%/Environmental & Permitting 95% (WACA Complete/EAW Complete), Anticipate 100% shovel ready status by late summer of 2021. Bois de Sioux WD applied for RCPP AFA funds but was unsuccessful in getting funding. There are funds from the Lessard – Sam's Outdoor Heritage Fund still available for this project.

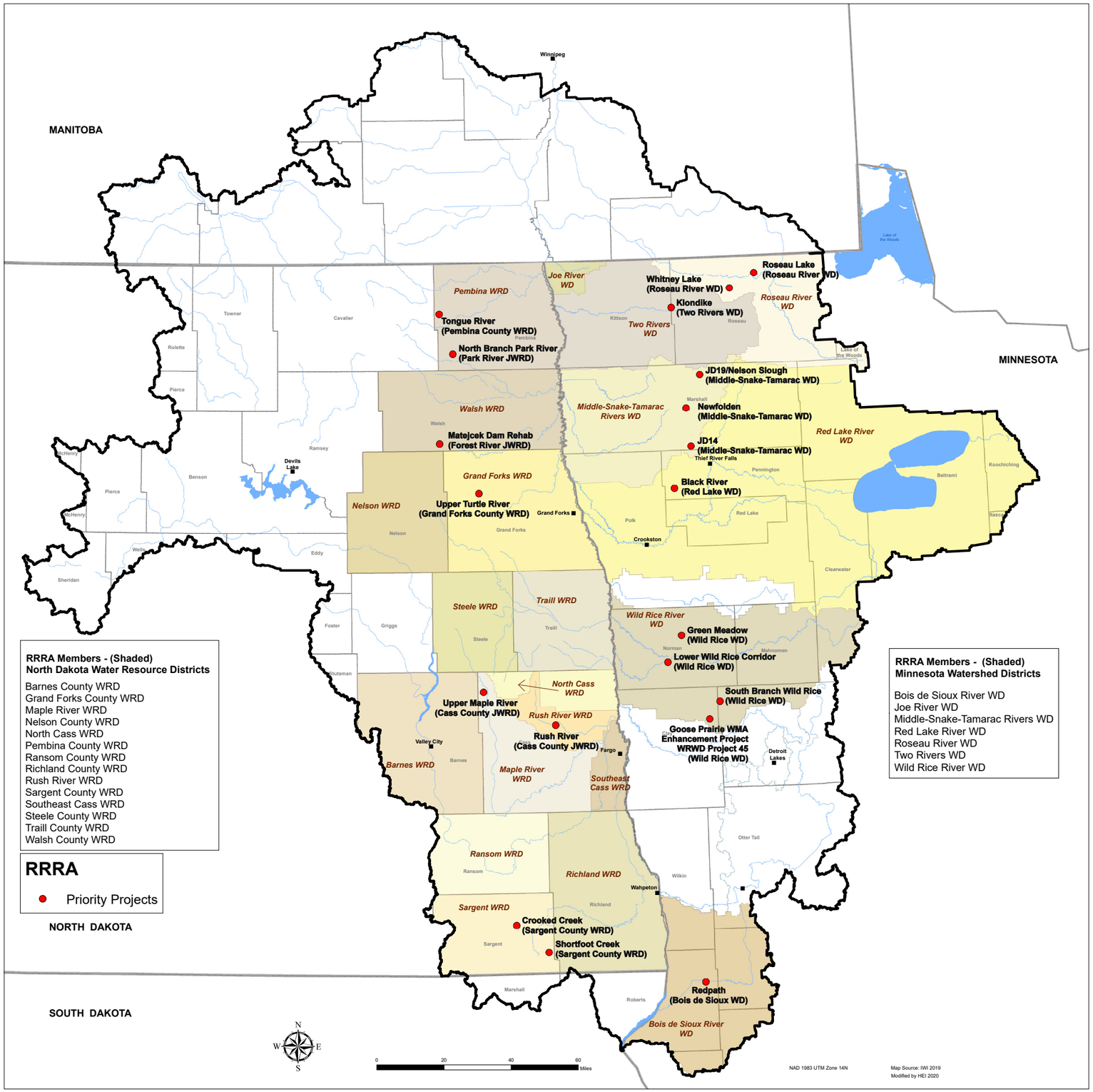
- **Rush River (Cass County JWRD)** – This is a Regional Conservation Partnership Program (RCPP) generated project, supported by the RRRA. Although not a retention project it does protect the city of Amenia. NRCS has worked with RRRA to complete project. NRCS has approved the watershed plan and has entered into an $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 $2.4 million.

- **Matejcek Dam Rehab (Forest River JWRD)** – Planning process is progressing, and Rehab study should be near completion in 2021. Based on technical studies, it appears there may be some potential issues with seepage through the dam. If there is a feasible alternative, it is expected that the plan will be completed and approved in 2021 and design would begin soon after. A very preliminary construction cost estimate, based on the 2020 assessment, was $ 16.7 million.

RED RIVER RETENTION AUTHORITY — 2021 RRRA PRIORITY PROJECTS

- **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 2021 – 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 are from the Wild Rice Watershed District (WRWD) and Minnesota state funds.

- **Upper Maple River (Cass County JWRD)** – This area has a long history of flood damages. Watershed plan is complete and has been submitted to NRCS. Upon NRCS review and acceptance, an exception letter to the NRCS Chief will be sent requesting a locally preferred plan alternative. Project involves two 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 #5 is a 3.4 mile long embankment with gated release, total storage capacity 1,340 ac-ft, $13 million construction cost estimate. These structures may be implemented through a phased process.



- **Roseau Lake (Roseau River WD)** – Cost $15M, RRWMB $3.0 M, expected construction start in late 2021 First phase possibly completed in 12 months, Much of land is public. Need to complete survey; then proceed with acquisitions in 2021. 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.

- **Whitney Lake (Roseau River WD)** – Site C $2M, Site A $6M, (Drainage component funding will be local/ private), RRWMB $2.3 M, 2021 (Site C) – 12 months to construct, 2022 (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.