

Update of 2021 Water Storage Report for WPIC – October 12-13, 2021

Montana DNRC State Water
Projects Bureau

Update of on-going projects from Page 3 of the 2021 Water Storage Report:




- Allendale Canal Intake and Fish Screen (Granite County), estimated cost \$2,862,000
 - **Construction on-going, scheduled for completion in November 2021**
- East Fork Rock Creek Dam Rehabilitation Environmental Planning (Granite County), estimated cost \$500,000 – **See Details Below**
- Painted Rocks Site Investigations and Feasibility Study (Ravalli County). Pending site investigations, cost estimated at \$750,000 and will occur over several years.
 - **Study finalized September 2021**
- Painted Rocks Dam Toe Access, estimated cost \$900,000
 - **See Details Below**
- Painted Rocks Dam Environmental Planning (Ravalli County), estimated cost \$500,000
 - **See Details Below**
- State Water Projects Planning Document, estimated cost \$125,000
 - **See Details Below**
- Nevada Creek Douglas Canal Rehabilitation (Powell County), estimated cost \$159,572.10
 - **Complete May 2021**
- Broadwater-Missouri Canal System Study and Master Plan (Broadwater County), estimated cost \$162,969.70
 - **Complete June 2021**

Update of new projects listed on page 10 of the 2021 Water Storage Report

Project Title	Biennium Proposed	Estimated Cost and Funding Source	Status	Current Cost
Ackley Lake Outlet Canal Rehabilitation	2021-2022	\$160,046 RRGL Grant	Grant Approved Bids Opened	\$323,580 Single bid received
Deadman's Basin Supply Canal Rehabilitation Project	2021-2022	\$160,050 RRGL Grant	Grant Approved Bids Opened	\$123,000 Lowest of 2 bids received
Upper Musselshell Two Dot Canal Rehabilitation Project	2021-2022	\$170,046 RRGL Grant	Grant Approved Bids Opened	\$213,834 Single bid received
East Fork of Rock Creek Rehabilitation – Final Design	2021-2022	\$800,000 SSR	Will advertise for engineering services in Jan/Feb 2022	N/A
SWPB Flow Measurement Equipment Purchase	2021-2022	\$98,700 SSR	One gaging station purchased	\$15,000





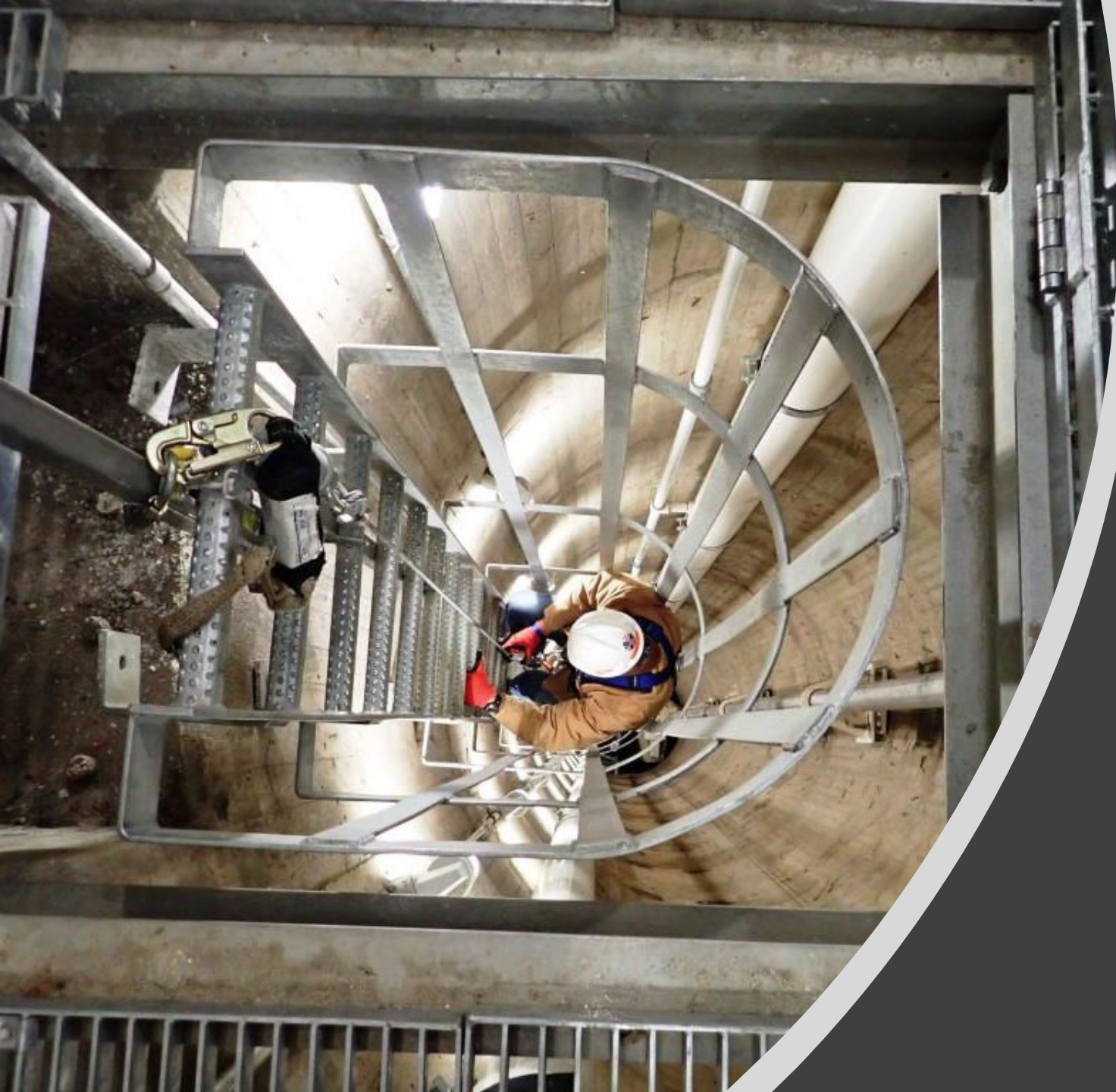
Update of project priorities listed on page 9 of the 2021 Water Storage Report

Priority from 2021 WSR	Project Title	Biennium Proposed	Estimated Cost and Funding Source	Status	Current Cost
1	Painted Rocks Dam Toe Access	2019-2020	\$900,000 SSR	Construction started August 2021	\$1,167,000 Lowest of 3 bids received
2	East Fork Dam Rehabilitation Environmental Planning	2019-2020	\$500,000	Contract initiated June 2021	\$98265
3	Painted Rocks Dam Rehabilitation Environmental Planning	2019-2020	\$450,000	Pending completion of Painted Rocks feasibility study. Will advertise for professional services in Jan/Feb 2022	
4	East Fork of Rock Creek Rehabilitation Final Design	2021-2022	\$800,000 SSR	Will advertise for engineering services in Jan/Feb 2022	N/A
5	State Water Projects Planning Document	2019-2020		Contract initiated June 2021	\$125,000
6	Ackley Lake Outlet Canal Rehabilitation	2021-2022	\$160,046 RRGL Grant	Grant Approved Bids Opened	\$323,580 Single bid received
7	Deadman's Basin Supply Canal Rehabilitation Project	2021-2022	\$160,050 RRGL Grant	Grant Approved Bids Opened	\$123,000
8	Upper Musselshell Two Dot Canal Rehabilitation Project	2021-2022	\$170,046 RRGL Grant	Grant Approved Bids Opened	\$213,834 Single bid received
9	SWPB Flow Measurement Equipment Purchase	2021-2022	\$98,700 SSR	One gaging station purchased	\$15,000



Unplanned/Unprogrammed Work

- Nilan North Dam Gate Repairs 2020
- Painted Rocks Spillway Repairs 2020 & 2021
- Tongue River Spillway Wall Repairs 2021-2022
- Frenchman Dam Spillway Repairs 2020
- Deadmans Basin Gate Repairs 2021-2022
- Frenchman Dam Gate Replacement 2021-2022
- Fred Burr Spillway Repairs 2021
- Broadwater Hydro Plant Generator Repairs 2021
- Helmville Canal Seepage Repair 2020



2022-2023 Planning
and Prioritizing
Projects for
Consideration

- Deadman's Basin - Riprap
- East Fork Riprap repair
- Fred Burr - Hydrology (USFS Compliance)
- Fred Burr – Rehab
- Frenchman – Rehab
- Glacier - Concrete spall repair - North Dam
- Martinsdale Spillway - Replace deflecting walls
- Martinsdale Sand Boil Repair
- Middle Creek – Bridge, Outlet and Tower Improvements
- Condition Inventory on piezometers
- Nevada Creek - Tower Safety
- Nevada Creek - Dewater Impact Basin; repair conduit
- Nilan - Permanent SEF Area Repair
- North Fork - Tower Safety





- Inspect Ruby Outlet & Spillway Stilling Basins (2024 or before)
- Ruby Riprap - prioritize repairs
- Ruby - Shaft ladder safety correction/modification
- Tongue - Assess & possibly repair fixed wheels on guard gates
- Tongue - Riprapping right of aux. spillway
- Tongue - Auxiliary Spillway Rehabilitation
- Tongue PLC Replacement
- Willow Creek Rehabilitation
- 2D EAP Mapping & LOL Analysis