

**2020 GROW AND CONSERVATION TRUST  
WATERSHEDS PROJECTS**

<b>Project Title:</b> Pembina Valley Watershed District Pembina Plum Initiative	
<b>Organization:</b> Pembina Valley Watershed District	
<b>GROW Request:</b> \$500,000	<b>Total Project Budget:</b> \$1,851,000
<p><b>Summary:</b> The Pembina Valley Watershed District Pembina Plum Initiative will improve watershed resiliency in a changing climate, improve water retention and quality, address nutrient management concerns, promote retention and enhancement all classes of wetlands, enhance riparian and upland area, protect steep vulnerable natural landscapes and establish and renovate shelterbelts. The project will result in 825 acre-foot (ac-ft.) of water storage, 409 acres of protected class 1 and 2 wetlands, 12 water retention structures, 750 cattle excluded, two kilometres of riparian fencing, five acres of the riparian zone protected, six erosion control projects installed, 10,120 trees planted, soil health improved on 1,567 acres and 80 acres of an at-risk natural landscape protected.</p>	
<p><b>Project Titles:</b> GROWing EG&amp;S in the Seine Rat and Roseau Watershed District GROW Seed Project: Seine Rat Roseau Watershed District – GROW</p>	
<b>Organization:</b> Seine Rat Roseau Watershed District	
<b>GROW Request:</b> \$750,000 (\$500,000 and GROW Seed - \$250,000)	<b>Total Project Budget:</b> \$1,602,000 (\$1,272,000 and GROW Seed - \$330,000)
<p><b>Summary:</b> The GROWing EG&amp;S in the Seine Rat and Roseau Watershed District project will involve farmers, ranchers and community members working together to identify environmental solutions to improve water quality, build resiliency to climate change and reduce erosion of marginal or environmentally targeted soils across 690 acres in the watershed. Targeting of activities will be done using GIS analysis for water retention projects and known nutrient hotspot areas with additional benefits including the creation of wildlife habitat, carbon sequestration, and soil enhancement and protection.</p> <p>GROW Seed Project: Seine Rat Roseau Watershed District – GrOW: EG&amp;S ALUS projects in the Seine Rat River Conservation District will improve water quality, build resiliency to climate change and reduce erosion of marginal or environmentally targeted soils across 340 acres in the watershed. Additional benefits will include the creation of wildlife habitat, carbon sequestration, and soil enhancement and protection.</p>	

<b>Project Title:</b> Whitemud Watershed 2020-21 GROW Program	
<b>Organization:</b> Whitemud Watershed District	
<b>GROW Request:</b> \$500,000	<b>Total Project Budget:</b> \$1,602,162
<p><b>Summary:</b> The Whitemud Watershed 2020-21 GROW Program will achieve 200 ac-ft. of water storage; protect 500 acres of wetlands, 500 acres of riparian area and 500 acres of upland area; enhance 415 acres of riparian habitat through stabilization, improved crossings, vegetation reestablishment, exclusion fencing, and alternative watering systems; plant 17,500 tree seedlings; establish 20 km of shelterbelts; 15 acres of perennial buffers; 10 acres of grassed waterways; and enhance 3,300 acres of soil organic matter.</p>	
<b>Project Title:</b> Farming the Best- Conserving the Rest within the Central Assiniboine Watershed District	
<b>Organization:</b> Central Assiniboine Watershed District	
<b>GROW Request:</b> \$500,000	<b>Total Project Budget:</b> \$1,524,176
<p><b>Summary:</b> The Farming the Best – Conserving the Rest Central Assiniboine Watershed District project will target EG&amp;S programming to improve watershed health through wetlands, water retention, riparian areas, buffer establishment and upland areas. The projects will conserve, enhance or restore 1,194 acres of targeted sensitive habitat.</p>	
<b>Project Title:</b> Wetland and Riparian Area Restoration/Enhancement and Protection Program (WRAPP)	
<b>Organization:</b> East Interlake Watershed District	
<b>GROW Request:</b> \$250,000	<b>Total Project Budget:</b> \$375,000
<p><b>Summary:</b> Wetland and Riparian Area Restoration/Enhancement and Protection Program (WRAPP) program will significantly increase the East Interlake Watershed District's current Wetland and Riparian Area Restoration/Protection Project sites, which will improve watershed resilience to the impacts of climate change and improve water quality. It is estimated that 200 acres of wetland/riparian and 200 acres of upland areas will be restored/enhanced and protected, 170 ac-ft. of water storage will be created and/or protected, four acres of native vegetation will be planted and 50 cows will be removed from waterways.</p>	
<b>Project Title:</b> Working together to improve watershed health in the West Interlake Watershed	
<b>Organization:</b> West Interlake Watershed District	
<b>GROW Request:</b> \$250,000	<b>Total Project Budget:</b> \$650,000
<p><b>Summary:</b> Working together to improve watershed health in the West Interlake Watershed GROW projects will improve water quality and watershed resilience to the impact of a changing climate, by engaging producers and providing establishment cost to implement beneficial management practices. This project will conserve 100 acres of wetlands, enhance 75 acres of riparian areas, restore 2000 acres of tame upland grassland, establish 7.5 acres of shelterbelts and install seven off-site watering systems. Benefits also will include improved biodiversity and habitat, carbon sequestration.</p>	

<b>Project Title:</b> Advancing Landscape Resiliency within Inter-Mountain Watershed District	
<b>Organization:</b> Inter-Mountain Watershed District	
<b>GROW Request:</b> \$500,000	<b>Total Project Budget:</b> \$1,000,000
<p><b>Summary:</b> Advancing Landscape Resiliency within the Inter-Mountain Watershed District GROW will enable Inter-Mountain Watershed District to use in-field projects and ongoing landowner incentives to improve the resilience of the watershed proactively, instead of being in a defensive/reactive mode every flood or drought. GROW will allow the district to alleviate pressure to convert existing natural areas into annual cropland to incent protection of these areas that are key to water quality, species biodiversity, water infiltration, run-off reduction and carbon storage. The project has strong wildlife benefits, including habitat corridors, and will maintain green infrastructure.</p>	
<b>Project Title:</b> Integrated Watershed Management Plan Fulfillment Project	
<b>Organization:</b> Westlake Watershed District	
<b>GROW Request: Conservation Trust (no incentive payments):</b> \$220,000	<b>Total Project Budget:</b> \$577,500
<p><b>Summary:</b> The Integrated Watershed Management Plan Fulfillment Project proposal will improve watershed resiliency, improve water quality, increase biodiversity, enhance riparian and aquatic habitat, improve on-farm water management and enhance sustainable agricultural production. Estimated outputs include restoration of 50 acres and enhancement of 30 acres of riparian habitat, enhancement of 960 acres of upland/grassland, construction of three water retention projects and approximately 900 ac-ft. of storage, and construction of 10 km of fencing and six new cattle crossings.</p>	
<p><b>Project Titles:</b> Recognizing Ecological Services from Farms and Ranches in Assiniboine West Watershed District  GROW Seed Project: Improving Watershed Health in AWWD by Engaging Farmers and Ranchers on the Working Landscape</p>	
<b>Organization:</b> Assiniboine West Watershed District	
<b>GROW Request:</b> \$750,000 (\$500,000 and GROW Seed – \$250,000)	<b>Total Project Budget:</b> \$2,360,967 (\$1,550,000 and GROW Seed – \$810,967)
<p><b>Summary:</b> The Recognizing Ecological Services from Farms and Ranches in Assiniboine West Watershed District project will enhance the beneficial ecological services from farms and ranches in the Assiniboine West Watershed District. The project will engage landowners to conserve, enhance or restore 563 acres of wetlands, enhance or restore 650 acres of uplands and conserve 250 acres of riparian areas. The project will also protect downstream infrastructure and combat drought by creating retention structures capable of retaining 200 ac-ft. of water.</p> <p>GROW Seed Project: The Improving Watershed Health in AWWD by Engaging Farmers and Ranchers on the Working Landscape project will restore/enhance 583 acres of wetlands, upland soils, riparian areas and buffer strips, and will protect downstream infrastructure and combat drought by retaining 60 ac-ft. of water.</p>	

**Project Title:** Water Retention & Wetland Conservation Programing in the Souris River Watershed

**Organization:** Souris River Watershed District

**GROW Request:** \$440,000

**Total Project Budget:** \$915,600

**Summary:** The Water Retention & Wetland Conservation Programing in the Souris River Watershed project will enhance the climate and ecological resiliency of the Souris River Watershed through the conservation of class 1 and 2 prairie pothole wetlands, construction of water retention structures, and conservation/restoration of upland and riparian areas. The project will provide annual incentive payments for the conservation of 519 acres of class 1 and 2 wetlands, conservation/restoration of 500 acres of upland areas and 1,500 acres of riparian areas and 100 acres of water stored.

**Project Title:** Surface Water Quality Improvement for the Swan River Valley

**Organization:** Swan Lake Watershed District

**GROW Request:** \$167,120

**Total Project Budget:** \$265,120

**Summary:** The Surface Water Quality Improvement for the Swan River Valley project will develop a wetland conservation and riparian restoration program with a main goal of surface water quality improvements within the Swan River Valley. Term conservation contracts will include five wetland incentive projects (providing and protecting ecological goods and services), five km of river shorelines protected (minimizing livestock access), 150 acres of wetland conserved, 40 acres of riparian zones protected and 40 acres of buffer strips each year.

**Project Title:** North East Red Watershed District GROW Program

**Organization:** North East Red Watershed District (NRWD)

**GROW Request:** \$250,000

**Total Project Budget:** \$350,000

**Summary:** The Northeast Red Watershed District Grow program will work with local landowners to provide ecological goods and services to the watershed. The NRWD will aim to restore and enhance 200 acres of wetlands and riparian areas in the next two years.

**Project Title:** Boyne River Watershed GROW Program

**Org:** Redboine Watershed District

**GROW Request:** \$225,000

**Total Project Budget:** \$552,000

**Summary:** The Redboine Watershed District will partner with landowners and municipalities in the Boyne River Sub-Watershed to increase the watershed's resiliency to a changing climate and help increase water quality throughout the area. This GROW program will implement beneficial management projects that will manage surface water, alleviate flooding and erosion issues, help to increase water quality and increase the water supply security of the Boyne River Sub-Watershed. Project targets include 25 acres of new class 1 and 2 wetlands protected, 20 acres of class 1 and 2 wetlands enhanced or restored, 20 acres of riparian acres enhanced and protected, 60 ac-ft. of water stored, eight km of shelterbelts planted, and a goal of 45 projects over the two-year program.

<b>Project Title:</b> Off-site Watering for Riparian Health	
<b>Organization:</b> Kelsey Watershed District	
<b>GROW Request: Conservation Trust (no incentive payments):</b> \$40,000	<b>Total Project Budget:</b> \$130,000
<b>Summary:</b> The Kelsey Watershed Districts Off-site Watering for Riparian Health project will accomplish the removal of livestock from waterways and sensitive areas to restore riparian areas and improve water quality. Off-site watering will accomplish increasing the biodiversity of the riparian zone, reducing nutrient loading and improve water quality.	



## WATERSHEDS

<b>Project Title:</b> Prairie Habitat Restoration Project- Phase 2	
<b>Organization:</b> Ducks Unlimited Canada	
<b>CT Fund Request:</b> \$50,000	<b>Total Project Budget:</b> \$150,000
<b>Summary:</b> Ducks Unlimited Canada will use incentive-based, long-term partnerships with landowners to complete the proposed Prairie Habitat Restoration Project – Phase 2. The project will restore 4.5 ha of wetland habitat in the southwestern pothole region of Manitoba. An additional 73 ha of wetland and grassland habitat will be secured perpetually, which will maintain and improve the ecological goods and services provided by the province’s natural infrastructure.	
<b>Project Title:</b> Cooks-Devils Bank Stabilization	
<b>Organization:</b> North East Red Watershed District	
<b>CT Fund Request:</b> \$20,000	<b>Total Project Budget:</b> \$60,000
<b>Summary:</b> The Cooks-Devils Bank Stabilization project will use seeding to stabilize 200 acres of stream bank within the Northeast Watershed District. The project will prevent further stream bank erosion and provide habitat for a variety of species.	

**Project Title:** James Valley Retention Project

**Organization:** Redboine Watershed District

**CT Fund Request:** \$45,000

**Total Project Budget:** \$135,000

**Summary:** In partnership with the James Valley Hutterite Colony, Redboine Watershed District will construct a water retention project along the Scott Coulee, south of Elie. This project will help will reduce peak flow, mitigate flood damage and decrease erosion risks, help create and enhance fish habitat in the La Salle Watershed, and act as a water source for use in irrigation by the James Valley Colony.

**Project Title:** Nutrient Reduction Innovation: Pilot Projects for a Regional Water Quality Trading Regime

**Organization:** Centre for Indigenous Environmental Resources

**CT Fund Request:** \$150,000

**Total Project Budget:** \$600,100

**Summary:** The Nutrient Reduction Innovation: Pilot Projects for a Regional Water Quality Trading Regime project will improve water quality and reduce nutrient loading in the Lake Winnipeg Basin through the development of four natural infrastructure projects that will help build the foundation for a regional water quality trading regime to significantly reduce long-term nutrient loading. These projects will cover approximately 81.5 acres, and in addition to reducing nutrients (phosphorous and nitrogen) will achieve co-benefits such as carbon sequestration and habitat restoration.