

ADVISORY COMMITTEE MEETING REPORT

JANUARY 26, 2022

Attendees

In-Person (Clearwater County Courthouse): Chester Powell (Clearwater SWCD), Brielle Prokosch (Clearwater SWCD), Brianna Grefthen (Pennington SWCD), Rachel Klein (East Polk SWCD), Joan Lee (Polk County), Joel Stolaas (Pennington Landowner), Larry Peterson (Pine Lake Township Board), Kylie Beard (HEI), Kaleb Buesing (Clearwater SWCD), Kurt Cassavan (Red Lake County), Ron Weiss (Red Lake County), Terry Sorenson (RLWD), Moriya Rufer (HEI), Jenna Wiersma (East Polk SWCD), Neil Peterson (Pennington County), Darryl Tveitbakk (Pennington County), Chad Severts (BWSR), Dan Disrud (MDH), Mark Larson (Clearwater County), Rod Skoe (Clearbrook Farmer), Luther Newton (NRCS)

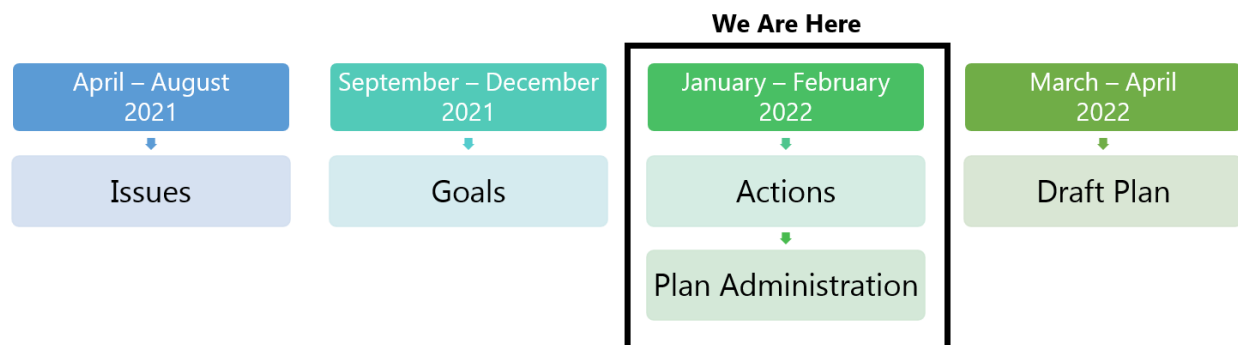
Virtual (Microsoft Teams): Corey Hanson (RLWD), Henry Van Offelen (BWSR), Mark LaCrosse (Red Lake County SWCD), Jackie Ulrich (Clearwater SWCD), Jacob Snyder (East Polk County), Denise Oaks (PCA), Christina Slowinski (RLWD), Myron Jesme (RLWD), Bob Guthrie (DNR), Greg Helgeman (Pennington SWCD), Zach Gutkentch (Beltrami SWCD), Edie Evarts (DNR), Peter Nelson (Pennington SWCD), Tanya Hanson (Red Lake County)

Meeting Purpose

The main purpose of this meeting was to gather input from the committees on what types of actions should be implemented in the Clearwater Watershed. The Advisory Committee also had the opportunity to begin generating ideas for a vision statement.

Timeline

This graphic is a simplified version of the overall timeline. We are currently in the Goals step of the planning process and soon to be moving to identifying actions and plan administration.



Upper Clearwater Planning Region Projects and Practices

Action	Targeted Resources	10-Year Measurable Outcome	Measurable Goals										Timeline					Annual Cost	Total 10-Year Cost			
			Sediment	Phosphorus	Storage	Soil Health	Bacteria	Resource Protection	Drinking Water	Stormwater	Stream Stabilization	Ditch Stabilization	Responsibility (Bold = Lead)	2023-24	2025-26	2027-28	2029-30			2031-32		
			●	●	○	●	○	●	○	○	○	○	○	○	○	○	○			○	○	
Structural Agricultural Practices (PTMApp) (sediment basins; grade stabilizations, side water inlets, filter strips)		parcels tons sediment/yr. lbs phosphorus/yr. acre-feet storage	●	●	●	●	○		○	●	○	○	SWCDs, RLWD, NRCS, BWSR									
Non-structural Agricultural Practices (cover crops, reduced tillage, prescribed grazing, crop rotation)		2,239 acres	●	●	○	●	○		○	○			SWCDs, RLWD, NRCS, BWSR								\$19,401	\$194,793
Bacteria Reduction Projects (Livestock exclusion and watering facility, waste pit closures)		# projects	○	○			●		○		○	○	SWCDs, NRCS, BWSR									
Forest Protection Practices (SFIA or Easement)		7,603 acres	○	○	○	○	○	●	○	○	○	○	SWCDs, DNR, BWSR								\$179,251	\$1,792,509
Forest Stewardship Plans		127 plans, 7,603 acres	○	○	○	○	○	●	○	○	○	○	SWCDs, DNR, BWSR, NRCS								\$8,617	\$86,167
Lake Enhancement Projects (rain gardens, shoreline restoration)	Clearwater Lake	233 lbs phosphorus/yr	○	●				○					SWCDs, DNR, BWSR									
Stream Channel Enhancement Projects (rock structures to stabilize channel bottoms, resloping)			○	○							●		RLWD, SWCDs									
Ditch System Enhancement Projects (rock and grade stabilization structures in ditch bottom)			○	○								●	RLWD, Counties, SWCDs									
Land Retirement Programs (CRP, CREP)		196 acres in 2022 (36 acres expire in 2025)	○	○	○	○	○	●	○	○	○	○	SWCDs, RLWD, NRCS, TNC, DNR, BWSR								Level 3	Level 3
													Total Level 2 Funding Scenario (Current + WBIF)									
													Total Level 3 Funding (Partner Projects & Other Funding Sources)									

- Primary Goal this action will address
- Secondary Goal this action will address

Middle Clearwater Planning Region Projects and Practices

Action	Targeted Resources	10-Year Measurable Outcome	Measurable Goals										Timeline					Annual Cost	Total 10-Year Cost		
			Sediment	Phosphorus	Storage	Soil Health	Bacteria	Resource Protection	Drinking Water	Stormwater	Stream Stabilization	Ditch Stabilization	Responsibility (Bold = Lead)	2023-24	2025-26	2027-28	2029-30			2031-32	
			●	●	○	○	○	○	○	○	○	○									
Structural Agricultural Practices (PTMApp) (sediment basins; grade stabilizations, side water inlets, filter strips)		parcels tons sediment/yr lbs phosphorus/yr acre-feet storage	●	●	●	●	○		○	●	○	○	SWCDs, RLWD, NRCS, BWSR								
Non-structural Agricultural Practices (cover crops, reduced tillage, prescribed grazing, crop rotation)		3,463 acres	●	●	○	●	○		○	○			SWCDs, RLWD, NRCS, BWSR							\$30,102	\$301,281
Bacteria Reduction projects (Livestock exclusion and watering facility, waste pit closures)		# projects	○	○			●		○		○	○	SWCDs, NRCS, BWSR								
Forest Protection Practices (SFIA or Easements)		3,852 acres	○	○	○	○	○	●	○	○	○	○	SWCDs, DNR, BWSR							\$95,042	\$950,417
Forest Stewardship Plans		64 plans, 3,852 acres	○	○	○	○	○	●	○	○	○	○	SWCDs, DNR, BWSR, NRCS							\$4,366	\$43,656
Wild Rice BMPs (Main line tile drainage installation on wild rice paddies)	Clearwater River		●	●	○																
Stream Channel Enhancement Projects (rock structures to stabilize channel bottoms, resloping)			○	○							●		RLWD, SWCDs								
Ditch System Enhancement Projects (rock and grade stabilization structures in ditch bottom)			○	○								●	RLWD, Counties, SWCDs								
Land Retirement Programs (CRP, CREP)		4,890 acres in 2022 (1,179 acres expire in 2025)	○	○	○	○	○	○	●	○	○	○	SWCDs, RLWD, NRCS, TNC, DNR, BWSR							Level 3	Level 3
												Total Level 2 Funding Scenario (Current + WBIF)									
												Total Level 3 Funding (Partner Projects & Other Funding Sources)									

- Primary Goal this action will address
- Secondary Goal this action will address

Lower Clearwater Planning Region Projects and Practices

Action	Targeted Resources	10-Year Measurable Outcome	Measurable Goals										Timeline					Annual Cost	Total 10-Year Cost				
			Sediment	Phosphorus	Storage	Soil Health	Bacteria	Resource Protection	Drinking Water	Stormwater	Stream Stabilization	Ditch Stabilization	Responsibility (Bold = Lead)	2023-24	2025-26	2027-28	2029-30			2031-32			
			●	●	○	●	○	○	○	○	○	○											
Structural Agricultural Practices (PTMApp) (sediment basins; grade stabilizations, side water inlets, filter strips)		parcels tons sediment/yr lbs phosphorus/yr acre-feet storage	●	●	●	●	○	○	○	○	○	○	○	○	SWCDs, RLWD, NRCS, BWSR								
Non-structural Agricultural Practices (i.e., cover crops, reduced tillage, prescribed grazing, crop rotation)		3,340 acres	●	●	○	●	○	○	○	○	○	○	○	SWCDs, RLWD, NRCS, BWSR							\$29,058	\$290,580	
Bacteria Reduction projects (Livestock exclusion and watering facility, waste pit closures)		# projects	○	○			●	○	○	○	○	○	○	SWCDs, NRCS, BWSR									
Stream Channel Enhancement Projects (rock structures to stabilize channel bottoms, resloping)			○	○							●			RLWD, SWCDs									
Ditch System Enhancement Projects (rock and grade stabilization structures in ditch bottom)			○	○								●		RLWD, Counties, SWCDs									
Land Retirement Programs (CRP, CREP)		4,129 acres in 2022 (1,702 acres expire in 2025)	○	○	○	○	○	●	○	○	○	○	○	SWCDs, RLWD, NRCS, TNC, DNR, BWSR							Level 3	Level 3	
											Total Level 2 Funding Scenario (Current + WBIF)												
											Total Level 3 Funding (Partner Projects & Other Funding Sources)												

- Primary Goal this action will address
- Secondary Goal this action will address

Hill River Planning Region Projects and Practices

Action	Targeted Resources	10-Year Measurable Outcome	Measurable Goals										Timeline					Annual Cost	Total 10-Year Cost				
			Sediment	Phosphorus	Storage	Soil Health	Bacteria	Resource Protection	Drinking Water	Stormwater	Stream Stabilization	Ditch Stabilization	Responsibility (Bold = Lead)	2023-24	2025-26	2027-28	2029-30			2031-32			
			●	●	○	●	○	○	○	○	○	○	○	○	○	○	○			○	○		
Structural Agricultural Practices (PTMApp) (sediment basins; grade stabilizations, side water inlets, filter strips)		parcels tons sediment/yr lbs phosphorus/yr acre-feet storage	●	●	●	●	○	○	○	○	○	○	○	○	SWCDs, RLWD, NRCS, BWSR								
Non-structural Agricultural Practices (cover crops, reduced tillage, prescribed grazing, crop rotation)		2,827 acres	●	●	○	●	○	○	○	○	○	○	○	○	SWCDs, RLWD, NRCS, BWSR							\$24,534	\$245,949
Bacteria Reduction projects (Livestock exclusion and watering facility, waste pit closures)		# projects	○	○			●	○	○	○	○	○	○	○	SWCDs, NRCS, BWSR								
Forest Protection Practices (SFIA or Easements)		531 acres	○	○	○	○	○	●	○	○	○	○	○	○	SWCDs, DNR, BWSR							\$7,276	\$72,760
Forest Stewardship Plans		9 plans, 531 acres	○	○	○	○	○	●	○	○	○	○	○	○	SWCDs, DNR, BWSR, NRCS							\$602	\$6,018
Lake Enhancement Projects (rain gardens, shoreline restoration)	Turtle Lake	17 lbs phosphorus/yr	○	●				○							SWCDs, DNR, BWSR								
Stream Channel Enhancement Projects (rock structures to stabilize channel bottoms, resloping)			○	○								●			RLWD, SWCDs								
Ditch System Enhancement Projects (rock and grade stabilization structures in ditch bottom)			○	○									●		RLWD, Counties, SWCDs								
Land Retirement Programs (CRP, CREP)		6,079 acres in 2022 (724 acres expire in 2025)	○	○	○	○	○	○	●	○	○	○	○	○	SWCDs, RLWD, NRCS, TNC, DNR, BWSR							Level 3	Level 3
												Total Level 2 Funding Scenario (Current + WBIF)											
												Total Level 3 Funding (Partner Projects & Other Funding Sources)											

- Primary Goal this action will address
- Secondary Goal this action will address

Poplar River Planning Region Projects and Practices

Action	Targeted Resources	10-Year Measurable Outcome	Measurable Goals										Timeline					Annual Cost	Total 10-Year Cost		
			Sediment	Phosphorus	Storage	Soil Health	Bacteria	Resource Protection	Drinking Water	Stormwater	Stream Stabilization	Ditch Stabilization	Responsibility (Bold = Lead)	2023-24	2025-26	2027-28	2029-30			2031-32	
			●	●	○	●	○	●	○	○	○	○									
Structural Agricultural Practices (PTMApp) (sediment basins; grade stabilizations, side water inlets, filter strips)		parcels tons sediment/yr lbs phosphorus/yr acre-feet storage	●	●	●	●	○		○	●	○	○	SWCDs, RLWD, NRCS, BWSR								
Non-structural Agricultural Practices (cover crops, reduced tillage, prescribed grazing, crop rotation)		1,983 acres	●	●	○	●	○		○	○			SWCDs, RLWD, NRCS, BWSR							\$17,226	\$172,521
Bacteria Reduction projects (Livestock exclusion and watering facility, waste pit closures)		# projects	○	○			●		○		○	○	SWCDs, NRCS, BWSR								
Forest Protection Practices (SFIA or Easements)		2,969 acres	○	○	○	○	○	●	○	○	○	○	SWCDs, DNR, BWSR							\$71,617	\$716,172
Forest Stewardship Plans		49 plans, 2969 acres	○	○	○	○	○	●	○	○	○	○	SWCDs, DNR, BWSR, NRCS							\$3,365	\$33,649
Land Retirement Programs (CRP, CREP)		2,479 acres in 2022 (588 acres expire in 2025)	○	○	○	○	○	●	○	○	○	○	SWCDs, RLWD, NRCS, TNC, DNR, BWSR							Level 3	Level 3
													Total Level 2 Funding Scenario (Current + WBIF)								
													Total Level 3 Funding (Partner Projects & Other Funding Sources)								

- Primary Goal this action will address
- Secondary Goal this action will address

Lost River Planning Region Projects and Practices

Action	Targeted Resources	10-Year Measurable Outcome	Measurable Goals										Timeline					Annual Cost	Total 10-Year Cost		
			Sediment	Phosphorus	Storage	Soil Health	Bacteria	Resource Protection	Drinking Water	Stormwater	Stream Stabilization	Ditch Stabilization	Responsibility (Bold = Lead)	2023-24	2025-26	2027-28	2029-30			2031-32	
			●	●	○	●	○	●	○	○	○	○	○	○	○	○	○			○	○
Structural Agricultural Practices (PTMApp) (sediment basins; grade stabilizations, side water inlets, filter strips)		parcels tons sediment/yr lbs phosphorus/yr acre-feet storage	●	●	●	●	○		○	●	○	○	SWCDs, RLWD, NRCS, BWSR								
Non-structural Agricultural Practices (cover crops, reduced tillage, prescribed grazing, crop rotation)		4,641 acres	●	●	○	●	○		○	○			SWCDs, RLWD, NRCS, BWSR							\$40,368	\$403,767
Bacteria Reduction projects (Livestock exclusion and watering facility, waste pit closures)		# projects	○	○			●		○		○	○	SWCDs, NRCS, BWSR								
Forest Protection Practices (SFIA or Easements)		2,052 acres	○	○	○	○	○	●	○	○	○	○	SWCDs, DNR, BWSR							\$47,882	\$478,815
Forest Stewardship Plans		34 plans, 2,052 acres	○	○	○	○	○	●	○	○	○	○	SWCDs, DNR, BWSR, NRCS							\$2,326	\$23,256
Lake Enhancement Projects (rain gardens, shoreline restoration)	Pine Lake	153 lbs phosphorus/yr	○	●				○					SWCDs, DNR, BWSR								
Stream Channel Enhancement Projects (rock structures to stabilize channel bottoms, resloping)			○	○							●		RLWD, SWCDs								
Ditch System Enhancement Projects (rock and grade stabilization structures in ditch bottom)			○	○								●	RLWD, Counties, SWCDs								
Land Retirement Programs (CRP, CREP)		6,309 acres in 2022 (1,007 acres expire in 2025)	○	○	○	○	○	●	○	○	○	○	SWCDs, RLWD, NRCS, TNC, DNR, BWSR							Level 3	Level 3
													Total Level 2 Funding Scenario (Current + WBIF)								
													Total Level 3 Funding (Partner Projects & Other Funding Sources)								

- Primary Goal this action will address
- Secondary Goal this action will address

Lower Badger Creek Planning Region Projects and Practices

Action	Targeted Resources	10-Year Measurable Outcome	Measurable Goals										Timeline					Annual Cost	Total 10-Year Cost		
			Sediment	Phosphorus	Storage	Soil Health	Bacteria	Resource Protection	Drinking Water	Stormwater	Stream Stabilization	Ditch Stabilization	Responsibility (Bold = Lead)	2023-24	2025-26	2027-28	2029-30			2031-32	
			●	●	○	●	○	●	○	○	○	○	●	○	○	○	○			○	○
Structural Agricultural Practices (PTMApp) (sediment basins; grade stabilizations, side water inlets, filter strips)		parcels tons sediment/yr lbs phosphorus/yr acre-feet storage	●	●	●	●	○		○	●	○	○	SWCDs, RLWD, NRCS, BWSR								
Non-structural Agricultural Practices (i.e., cover crops, reduced tillage, prescribed grazing, crop rotation)		1,954 acres	●	●	○	●	○		○	○			SWCDs, RLWD, NRCS, BWSR							\$16,965	\$169,998
Bacteria Reduction projects (Livestock exclusion and watering facility, waste pit closures)		# projects	○	○			●		○		○	○	SWCDs, NRCS, BWSR								
Forest Protection Practices (SFIA or Easements)		220 acres	○	○	○	○	○	●	○	○	○	○	SWCDs, DNR, BWSR							\$4,888	\$48,883
Forest Stewardship Plans		4 plans, 220 acres	○	○	○	○	○	●	○	○	○	○	SWCDs, DNR, BWSR, NRCS							\$249	\$2,493
Lake Enhancement Projects (rain gardens, shoreline restoration)	Maple Lake Cameron Lake	217 lbs phosphorus/yr 19 lbs phosphorus/yr	○	●				○					SWCDs, DNR, BWSR								
Stream Channel Enhancement Projects (rock structures to stabilize channel bottoms, resloping)			○	○							●		RLWD, SWCDs								
Ditch System Enhancement Projects (rock and grade stabilization structures in ditch bottom)			○	○								●	RLWD, Counties, SWCDs								
Land Retirement Programs (CRP, CREP)		2,875 acres (218 acres expire in 2025)	○	○	○	○	○	○	●	○	○	○	SWCDs, RLWD, NRCS, TNC, DNR, BWSR							Level 3	Level 3
													Total Level 2 Funding Scenario (Current + WBIF)								
													Total Level 3 Funding (Partner Projects & Other Funding Sources)								

- Primary Goal this action will address
- Secondary Goal this action will address

Capital Improvement Projects

Action	Targeted Resources	10-Year Measurable Outcome	Measurable Goals										Timeline					Annual Cost	Total 10-Year Cost	
			Sediment	Phosphorus	Storage	Soil Health	Bacteria	Resource Protection	Drinking Water	Stormwater	Stream Stabilization	Ditch Stabilization	Responsibility (Bold = Lead)	2023-24	2025-26	2027-28	2029-30			2031-32
Stream Restoration			●	●	●						●		RLWD, SWCDs							
Stormwater Control Projects			○	○	○		○			●			Cities, RLWD, SWCDs							
Water Retention Projects			○	○	●								RLWD, RRWMB							
Dam modification for fish passage			○					○			●		DNR, RLWD, SWCDs							
Ditch Improvements			●	●								●	RLWD,							
Wetland Restoration for Flood Damage Reduction			○	○	●								RLWD,							

Watershed Wide Actions

Action	Targeted Resources	10-Year Measurable Outcome	Measurable Goals										Timeline					Annual Cost	Total 10-Year Cost	
			Sediment	Phosphorus	Storage	Soil Health	Bacteria	Resource Protection	Drinking Water	Stormwater	Stream Stabilization	Ditch Stabilization	Responsibility (Bold = Lead)	2023-24	2025-26	2027-28	2029-30			2031-32
Regulatory Program (See Table X)			●	●	●	●	○	●	●	●	○	○	Counties, RLWD, SWCDS							
Monitoring Program (See Section 7)			○	○			○		○				MPCA, RLWD, SWCDS, IWI							
Replace Failing Septic Systems				○			○		○				Counties, SWCDS, MPCA							
Seal Abandoned Wells		10 wells/year							●				SWCDS						\$6,000	\$60,000
Improve connectivity with properly sized and placed culverts on road crossings			○		○								Counties, SWCDS, RLWD							
Acquisition of riparian corridors			○	○				○												
Windbreaks, shelterbelts, and tree planting													SWCDS, NRCS, BWSR							

Outreach Program



Action	Planning Region	10-Year Measurable Outcome	Measurable Goals										Timeline					Annual Cost	Total 10-Year Cost			
			Sediment	Phosphorus	Storage	Soil Health	Bacteria	Resource Protection	Drinking Water	Stormwater	Stream Stabilization	Ditch Stabilization	Responsibility (Bold = Lead)	2023-24	2025-26	2027-28	2029-30			2031-32		
Develop and implement a coordinated education and outreach plan among watershed partners to promote consistent strategies, materials, social media and messaging.	Watershed-wide		○	○	○	○	○	○	○	○	○	○	○	SWCDs, RLWD, NRCS, DNR, BWSR								
Continue general education and outreach activities by jurisdictional area.	Watershed-wide		○	○	○	○	○	○	○	○	○	○	○	SWCDs, RLWD, NRCS								
Set up and participate in existing environmental education programs for youth such as the Envirothon, county fairs, conservation days, ag-in-the-classroom, Northwest Minnesota Soil Contest, Water Fest, tree planting, conservation camps for kids, FFA, 4-H.	Watershed-wide		○	○	○	○	○	○	○	○	○	○	○	SWCDs, Extension, NRCS								
Increase participation in the MN Agricultural Water Quality Certification Program (MAWQCP).	Watershed-wide		○	○	○	○	○		○					MDA, SWCDs								
Promote and showcase soil health demonstration sites using conservation farming practices (tillage management, cover crops, etc.).	Watershed-wide		○	○		○								SWCDs, MDA, Extension, NRCS								
Conduct outreach to the general public and local elected officials on environmental contaminants, including salt, fertilizers, pesticides, household waste, prescription drugs, and legacy contaminants (e.g. mercury and PCBs).	Watershed-wide								○	○				Counties, Cities, SWCDs								
Develop and implement a lake outreach program to better understand issues and inform the public on management measures to protect or improve lake water quality.	Watershed-wide			○					○					SWCDs, Lake Associations, DNR, Extension								
Conduct arsenic and nitrate testing clinics for private drinking water.	Watershed-wide								○					SWCDs, MDH								
Outreach to landowners with expiring CRP contracts	Watershed-wide		○	○		○								SWCDs, NRCS								
Education for developers, realtors, planners, mayors, county boards and other decision makers about the effects that development and land use have upon water quality.	Watershed-wide		○	○			○	○	○					Counties, SWCDs, Cities, RLWD								
Provide wild rice growers with data on nutrient concentrations in the Clearwater River.	Watershed-wide		○	○										RLWD, SWCDs								