## Lower St. Croix Partnership Annual Plan of Work (based on LSC CWMP Table 5-1)

Projects highlighted in green are	e funded by Watershed Based Implementation Fund gran	t. Projects in white are funded by other source	es.	From CW	MP	2	2-year ouputs and	costs divided b	y 2				2021 Yearend Progress R	Reporting			
# Activity	Priority Location	Measurable Output	Implementation Actions	Years 1-2 Outputs	Years 1-2 Estimated Cost	Fiscal Year 1 (Jul '21-Jun '22) Outputs	Fiscal Year 1 (Jul '21-Jun '22) Estimated Cost	Fiscal Year 2 (Jul '22-Jun '23) Outputs	Fiscal Year 2 (Jul '22-Jun '23) Estimated Cost	Fiscal Agent/ Responsible Party	Funding Sources	WD, WMO, SWCD, County, LID, or Multiple	Year 1 (2021) Description of Outputs Accomplished	Year 1 Dollars	(2021) s Spent		1 (2021) us Removal
Part A. Implementation Action	-																
1 *GW Quality (Table 3-1 GW1A, 2B)	Basin Wide Priority - Agricultural lands where:  1) DWSMA vulnerability is moderate, high, or very high; or  2) Pollution sensitivity to wells is high or very high; or	Install BMPs on 2,200 acres that improve soil health and/or reduce nitrogen and pesticide pollution to groundwater		300 ac	[see Table 5-1 Impl. Actions]	. 150 ac		150 ac		Chisago SWCD	FY21 WBIF (Activity 4), other	WD	CLFLWD: 30 acres of cropland conversion to perennial (34 lb/yr P reduction to Bone Lake)		\$5,000		lb/yr phosphorus
	3) Pollution sensitivity to near surface materials is karst or high; or 4) Well testing show ≥ 5 mg/L nitrate See Figure 5-1										Partner local funds, state/federal grants			\$59,000			
	See Figure 9.1										grunts	Multiple	CMSCWD/WCD/Land Trust 14.0 acres cropland to prairie and savanah 19.4 lb/y P reducation to Silver Creek.		\$54,000		lb/yr phosphorus
												County	Washington County: 18 acres cropland to prairie at St. Croix Bluffs Regional Park				
2 *Rivers & Streams + St. Croix River WQ (Table 3-1	Regionally Significant Rivers and Streams: - All streams and tributaries in Sunrise River	Reduce total phosphorus by 3,300 lbs/year (install approximately 220 BMPs @		450 lbs TP (approx. 30 BMPs)	[see Table 5-1	225 lbs TP (approx 15		225 lbs TP (approx 15		Chisago SWCD for WBIF project	FY21 WBIF s, (Activity 2, 4),	SWCD	ISWCD: Cover Crops (N. Branch Sunrsie River (140 acres)= 6.6 lbs/yr.			6.6	lb/yr phosphorus
R&S 1A; STC 1B, C)	Watershed (whole watershed regardless of direct drainage)	estimated 15 lbs/BMP) and reduce TSS, bacteria, and nitrogen as secondary				BMPs)		BMPs)		see specific entit for non-WBIF							
	- Direct drainage areas to St. Croix River through Rock, Rush, Goose, Lawrence, and Browns Creeks and	benefit								projects	funds, state/federal	SWCD	CSWCD: Direct Drainage 12 structural BMPs = 836 lbs/yr. Cover Crops (Sunrise River and Direct Drainage) 157 acres, 7.5 lbs/yr.,				lb/yr phosphorus
	Trout Brook and other small streams shown in Figure 5-2										grants	SWCD	WCD: buffer restoration (St. Croix direct drainage, Marine); St. Croix River shoreline stabilization = 37.4lb/yr P + 88,000 lb TSS				lb/yr phosphorus
	See Table 5-2 for streams and total phosphorus reduction goals; see Figure 5-2											Multiple	ACD & SRWMO: Martin Lake Shores Stormwater Pond Enhancement Project 1.09lb/yr P + 436lb/yr TSS.				lb/yr phosphorus
												Multiple	ACD & SRWMO: Arvold Martin Lakeshore stabilization 2.8lb/yr TP + 5,625lb/yr TSs;				lb/yr phosphorus
												Multiple	ACD & SRWMO: Ferden Martin Lakeshore stabilization 0.48lb/yr TP + 600lb/yr TSS.				lb/yr phosphorus
												WD	CLFLWD: Bone Lake Southeast/Meadowbrook Wetland Restoration (Sunrise River watershed) = 35 lb/yr P.	\$897,712			lb/yr phosphorus
												County	Washington County: 18 acres cropland to prairie at St. Croix Bluffs Regional Park = 21lb/yr TP to St. Croix River				lb/yr phosphorus
												WD	CMSCWD: Marine on St. Croix Town Center Stormwater Retrofits. St. Croix River 16.7 lbs./yr TP and 15,010 lbs/yr TSS			16.7	lb/yr phosphorus
												LID	CLLID: The CLLID provides match funds to encourage environmentally sound land use practices for urban and agricultural areas to protect water quality				
												WD	within the Chisago Lakes Chain of Lakes Watershed BCWD: Brown's Creek Diversion Tributary restoration benefits Brown's				lb/yr
													Creek, McKusick Lake, and the St. Croix. Installed 22 rock vanes along 5200 linear feet of stream. Reduced TP 52 lbs/year, TSS 48 tons/year. All funding				phosphorus
												SWCD	from BCWD local levy. \$87,600 PSWCD: Partnership effort with NRCS to install WASCBs and a grassed			48	lb/yr
													waterway on two seperate properties. EQIP paid for a portion of the installation. Pine SWCD secured funding through Wild Rivers Conservancy to cover the rest. 222.48lbs/yr P, 184lbs/yr TSS				phosphorus
3 *Lake WQ from ag (Table 3-1 LK1A, 2A)	Regionally Significant Lakes for Agricultural BMPs See Table 5-3 for lakes and total phosphorus reduction goals; see Figure 5-3 for map	Install conservation BMPs, near sensitive lakes or in direct lake catchments to reduce TP by 1,275 lbs (estimated 15		150 lbs TP (approx.300 ac and/or 10 BMPs)		75 lbs TP (approx 150 ac and/or 5		75 lbs TP (approx 150 ac and/or 5		Chisago SWCD for WBIF project see specific entit		SWCD	CSWCD: Rush Lake: 1 structural BMP: 2.6 lbs/yr				lb/yr phosphorus
		lbs/BMP) and reduce TSS, bacteria, N as secondary benefit				BMPs)		BMPs)		for non-WBIF projects	Partner local funds, state/federal	WD	SWWD: McQuade Ravine Stabilization. 295 tons/yr TSS, 251 lbs/yr phosphorus. \$93,407 in LSC WBIFs, \$43,807 match provided. Reduce loading to St. Croix River and Lake St. Croix	\$142,599	\$137,214		lb/yr phosphorus
												SWCD	Pine SWCD: Rock Lake: Cattle exclusion and buffer strip 3.5 lbs/yr. \$4,578 in LSC WBIFs, \$807 match provided	<b>4</b> 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	\$5,385	3.5	lb/yr phosphorus
4 GW Quantity (Table 3-1 GW2A)	All agricultural irrigators; highest priority given to highest consumers [For context: Active water use	Install or retrofit smart technology on 40 irrigation systems [For context: Active			[see Table 5-2					SWCD/WMO/W /CLLID	D Partner local funds,		as wors, year mater provided				priosprioras
	permits from MPARS database 2018: 100 agricultural irrigators; 157 Water Supply Wells; 37 Non-crop irrigators. Total = 294. 100 of those used >1MG in 2018.]	water use permits from MPARS database 2018: 100 agricultural irrigators; 157 Water Supply Wells; 37 Non-crop irrigators. Total = 294. 100 of those used >1MG in 2018.]									state/federal grants						
5 River & Stream Flows (Table	le Basin wide	Identify and map 100% of private ditches		Maps created during		Maps created		Maps created		SWCD/WMO/W							
3-1 R&S 3A)		as part of developing Conservation Plans		all applicable landowner interactions	Impl. Actions	applicable landowner		during all applicable landowner		/CLLID	funds, state/federal grants						
6 Drainage impacts on	All public and private ditches	Review 100% of drainage projects for		All active and		All active and		All active and			D Partner local	County	Chisago County: As a result of the new buffer requirements, 2021 also saw a	\$27,700	\$27,700		
wetlands (Table 3-1 WTL 1E	5)	possible impacts to wetland quality		proposed projects reviewed	Impl. Actions	proposed projects reviewed		proposed projects reviewed		/CLLID	funds, state/federal grants		busy ditch inspection year. The Wetland Specialist continues to oversee the maintenance of County public and private ditch and drainage system for functionality and adherence to the drainage code and the WCA drainage standards.				
													Chisago County: 2021 saw a further increase to Wetland Conservation Act (WCA) applications, particularly in the arena of wetland delineation reviews. The Wetland Specialist saw to 12 alleged wetland violations, five actual violations and resolved one restoration orders in 2021. The wetland specialist evaluated several pond applications which all required site visits and subsequent wetland permits. The wetland specialist issues and monitors the shoreland grade and fill permits, in 2020 there were 11 applications of which three were denied. The position is also responsible for commenting on the DNR public water permits if necessary, of which there were several related grade and fill permits.				

Projects highlighted in green are	funded by Watershed Based Implementation Fund grant	t. Projects in white are funded by other source	s.	From CW	MP	2	-year ouputs an	d costs divided b	y 2				2021 Yearend Progress	Reporting			
# Activity	Priority Location	Measurable Output	Implementation Actions	Years 1-2 Outputs	Years 1-2 Estimated Cost		Fiscal Year 1 (Jul '21-Jun '22) Estimated Cost	Fiscal Year 2 (Jul '22-Jun '23) Outputs	Fiscal Year 2 (Jul '22-Jun '23) Estimated Cost	Fiscal Agent/ Responsible Party	Funding Sources	WD, WMO, SWCD, County, LID, or Multiple	Year 1 (2021) Description of Outputs Accomplished	Year 1 Dollars	(2021) s Spent		1 (2021) us Removal
7 Drainage impact on rivers & streams (Table 3-1 R&S 1C)	Judicial and public ditches	Maintain or improve downstream water quality following ditch maintenance		No negative change in downstream water quality		-1 No negative is] change in downstream water quality		No negative change in downstream water quality		SWCD/WMO/WE /CLLID	Partner local funds, state/federal grants						
8 GW quality from contaminants (Table 3-1 GW1B)	Priority areas: Where pollution sensitivity to near surface materials is high, or in karst areas, or where bedrock is at or near the surface; see Figure 1-3 for map Secondary priority: Basin wide	Upgrade 100 non-conforming or non- compliant SSTS to properly functioning, compliant systems. [For context: Estimated 4,202 SSTS basin wide failing to								SWCD/WMO/WD /CLLID	Partner local funds, state/federal grants	SWCD	ACD: 1 SSTS replaced. 7lbs/yr TP, 20lb/yr N  Chisago County: Completed 268 compliance inspections, of which 232 were compliant and 36 were noncompliant. 67 new septic and 78 replacements		\$10,724 \$18,600	7	lb/yr phosphorus
		protect GW. Source: SSTS Annual Report 2018 (MPCA, Aug 2019) Number of SSTS per county * % of county in LSC * estimated 15% of SSTS failing to protect groundwater statewide]										County	were installed.  Washington County: Completed 509 compliance inspections, of which 338 were compliant, and 171 were noncompliant. 106 new septic and 198 replacements were installed. 5 grants were issued for the STSS Program. 14 STSS loans were also issued.	\$405,584	\$376,260		
9 Lake impacts from SSTS (Table 3-1 LK 1C)	Basin wide: Shorelands adjacent to nutrient impaired lakes Chisago Co: Countywide	adjacent to nutrient impaired lakes Chisago Co: Decrease non-compliant and non-conforming SSTS in all areas by 50%		20 systems	[see Table 5 Impl. Action	-1 10 systems		10 systems		SWCD/WMO/WD /CLLID	Partner local funds, state/federal grants	County	Chisago County: Completed 268 compliance inspections, of which 232 were compliant and 36 were noncompliant. 67 new septic and 78 replacements were installed.  Washington County: Completed 509 compliance inspections, of which 338 were compliant, and 171 were noncompliant. 106 new septic and 198	\$394,860	\$18,600 \$376,260		
10 GW quality from contaminants (Table 3-1 GW1B)	Basin wide	and in shorelands adjacent to nutrient impaired lakes by 80% Properly seal or floodproof 100% of known or discovered abandoned wells or wells at risk of flooding		100% of known and discovered abandonec wells are sealed		-1 100% of knowr is] and discovered abandoned	n I	100% of known and discovered abandoned		SWCD/WMO/WD /CLLID	Partner local funds, state/federal		replacements were installed. 5 grants were issued for the STSS Program. 14 STSS loans were also issued. Washington: 13 wells have been sealed.	\$6,755	\$6,755		
SUBTOTAL: Part A. Implementati	ion Actions for Agricultural Lands (Part A does not assi	gn dollar amounts to numbered line items)			\$2,072,8	wells are	\$1,036,400	wells are	\$1,036,400		grants			\$1,934,210		546.07	
Part B. Implementation for Deve	loped and Developing Lands																phosphorus
111 *GW recharge & infiltration (Table 3-1 GW 2B) + Lake & stream WQ (Table 3-1 LK1B, R&S 1A)	[Estimated 40 communities in basin without MIDS or	Implement Minimal Impact Design Standards or more restrictive in 20 communities; including climate resiliency provisions or standards			[see Table 5					Chisago SWCD for WBIF projects see specific entity for non-WBIF projects	FY21 WBIF , (Activity 3) / Partner local funds, state/federal grants	Multiple	This effort was delayed until 2023 in order to on board the new educator. Additional Notes:  -WBWD adopted MIDS in 2013.  -MSCWMO adopted MIDS in 2014 and worked with all 10 communities to update local ordinances.  -BCWD adopted a version of MIDS for a portion of the watershed.  -CLFLWD have rules more restrictive than MIDS in place (overlaps 5 communities).  -CMSCWD have rules more restrictive (and more complicated) than MIDS in place (overlaps 4 communities); but community ordinances still do not align with Watershed District rules, causing confusion and frustration for single famility residential applicants.				
12 *GW recharge & stream flow (Table 3-1 GW 2B, R&S 3A)	In critical groundwater recharge areas as identified in existing or future maps or studies	Retrofit 20 existing developments with infiltration, recharge and reuse projects		4 projects	[see Table 5 Impl. Action	-1 2 projects s]		2 projects		Chisago SWCD for WBIF projects see specific entity for non-WBIF projects	Partner local funds,			\$360,100	\$360,100 Clean Water grant		
13 St. Croix River flows (Table 3-1 STC 3A)	Direct catchments to the St. Croix River and Lake St. Croix	Evaluate and update small storm volume control and large storm rate control ordinances in 4 communities			[see Table 5 Impl. Action					SWCD/WMO/WD /CLLID	partner local funds, state/federal grants						
14 *St. Croix River + Rivers & streams WQ (Table 3-1 STC 1B; R&S 1A)	Regionally Significant Rivers and Streams:  - All streams and tributaries in Sunrise River Watershed (whole watershed regardless of direct drainage)  - Direct drainage areas to St. Croix River through Rock, Rush, Goose, Lawrence, and Browns Creeks and Trout Brook and other small streams shown in Figure 5-2 See Table 5-2 for streams and total phosphorus reduction goals; See Figure 5-2	Reduce TP by 100 lbs. (approximately 100 BMPs) and reduce TSS, bacteria, and nitrogen as secondary benefit [Assume 1 lb/BMP; typical reduction for raingarden or similar BMP]		20 lbs TP (approx. 20 BMPs)		-1 10 lbs TP 5] (approx. 10 BMPs)		10 lbs TP (approx. 10 BMPs)		Chisago SWCD for WBIF projects see specific entity for non-WBIF projects		SWCD  Multiple  WD  WD	WCD: bluff stabilization St. Croix River - Lake St. Croix Beach = 34lb TP + 12,000 lb TSS; 2x urban native plantings in Stillwater = 0.3lb TP + 40lb TSS  ACD & SRWMO: See projects reported for activity 2 - the BMPs are in lakes that flow into the Sunrise River and unclear if it should be reported at a lake or stream benefit, or both?  BCWD Oak Glen reuse project = 78lb/yr TP to Brown's Creek and St. Croix River  CMSCWD: Marine on St. Croix Town Center Stormwater Retrofits. St. Croix	\$752,555	\$350,000 \$2,555 \$400,000	78	lb/yr phosphorus lb/yr phosphorus lb/yr
	Regionally Significant Lakes for Urban BMPs See Table 5-3 for lakes and total phosphorus reduction goals; See <b>Figure 5-3</b>	Reduce TP by 100 lbs. (approximately 100 BMPs) and reduce TSS, bacteria, and nitrogen as secondary benefit [Assume 1 lb/BMP; typical reduction for raingarden or similar BMP]		20 lbs TP (approx. 20 BMPs)		-1 10 lbs TP ss] (approx. 10 BMPs)		10 lbs TP (approx. 10 BMPs)		Chisago SWCD for WBIF projects see specific entity for non-WBIF projects	FY21 WBIF , (Activity 5) / Partner local funds, state/federal grants	LID	River 16.7 lbs./yr TP and 15,010 lbs/yr TSS. CMSCWD = \$400,000 319 grant and local funding  CLLID: Please see note under #2	\$338,000	\$85000		phosphorus
16 St. Croix River chlorides (Table 3-1 STC 1D)	Basin wide	75% of all cities have staff certified in MPCA's Level 1 and Level 2 Smart Salting Training		Total of 15% of cities	[see Table 5 Impl. Action	-1 Total of 7.5% of cities		Total of 7.5% of cities		SWCD/WMO/WD /CLLID	funds, state/federal		Cities with certified staff include: Stillwater, Cottage Grove, Woodbury, Forest Lake, Linwood Township, East Bethel, Columbus, Ham Lake	\$1,000	\$1,000		
17 GW quantity (Table 3-1 GW 2A)	All irrigators; highest priority given to highest consumers and communities with highest residential usage	Install or retrofit smart technology on 40 irrigation systems			[see Table 5 Impl. Action					SWCD/WMO/WD /CLLID	Partner local funds, state/federal grants		Cities in Washington County report distributing a total of 3887 SMART irrigation controllers to community residents				

ojects highlighted in green are	nlighted in green are funded by Watershed Based Implementation Fund grant. Projects in white are funded by other sources.		From CWMP 2-year ouputs and costs divided by 2									2021 Yearend Progress Reporting					
Activity	Priority Location	Measurable Output	Implementation Actions	Years 1-2 Outputs	Years 1-2 Estimated Cost	Fiscal Year 1 (Jul '21-Jun '22) Outputs	Fiscal Year 1 (Jul '21-Jun '22) Estimated Cost	Fiscal Year 2 (Jul '22-Jun '23) Outputs	Fiscal Year 2 (Jul '22-Jun '23) Estimated Cost	Fiscal Agent/ Responsible Party	Funding Sources	WD, WMO, SWCD, County, LID, or Multiple	Year 1 (2021) Description of Outputs Accomplished		. (2021) s Spent		1 (2021) rus Remova
W contaminants (Table -1 W 1B)	Basin wide - all currently unlicensed facilities and generators	License 100% of hazardous waste generators		Figures depend on number of generators identified		1 Figures depend ] on number of generators identified	1	Figures depend on number of generators identified		/CLLID	D Partner local funds, state/federal grants	-	Chisago County: MPCA licenses all hazardous waste generators located in the county.				
W contaminants able 3-1 GW 1B)	Priority areas: Where pollution sensitivity to near surface materials is high, or in karst areas, or where bedrock is at or near the surface Secondary priority: Basin wide	Upgrade non-conforming or non-compliant SSTS to properly functioning, compliant systems. [See Line 8 of this table for context.]		[Covered under Table 5-1, Part A #8]	·	under Table 5-1, Part A #8]		[Covered under Table 5-1, Part A #8]		/CLLID	D Partner local funds, state/federal grants	·	ACD: see line 8 Chisago County: Please see # 8.				
ake impacts from SSTS Fable 3-1 LK 1C)	Basin wide: Shorelands adjacent to nutrient impaired lakes Chisago Co: Countywide	Basin wide: Decrease non-compliant and non-conforming SSTS in shorelands adjacent to nutrient impaired lakes Chisago Co: Decrease non-compliant and non-conforming SSTS in all areas by 50% and in shorelands adjacent to nutrient impaired lakes by 80% [See Line 10 of this table for context.]		[Covered under Table 5-1, Part A #9]	[see Table 5- Impl. Action:	1 [Covered] under Table 5-1, Part A #9]		[Covered under Table 5-1, Part A #9]		SWCD/WMO/W /CLLID	D Partner local funds, state/federal grants	County	Washington & Chisago County: Please see # 9.				
ake shorelines (Table 3-1 K 2B & UP 2A)	Regionally Significant Lakes for Protection and Sustainable Development: Table 5-3 and Figure 5-3	Install 100 shoreline restoration projects [100% of lakeshore owners with altered shorelines are provided information on restoration programs]		20 projects	[see Table 5- Impl. Actions	1 10 projects		10 projects		SWCD/WMO/W /CLLID	D Partner local funds, state/federal grants	SWCD	CSWCD: 5 shoreline restorations	\$30,000			
													ACD/SRWMO: 4 shoreline restos				
													CMSCWD: 100' bioreningeered shoreline restoration on Big Marine Lake CLLID: Provides match to provide technical and educational information to				<del></del>
													interested landowners and local units of government to implement urban and shoreland BMPs.				
												LID	CLLID: Provides match to develop and implement a cost share program to assist landowners to implement urban and shoreland BMPs.				İ
Protect wetlands (Table -1 VTL 1A)	Basin wide during land use change or alteration, development or redevelopment	Increase by 5 the number of LGUs with adopted wetland protections including buffer requirements and setbacks for permanent structures		1 LGU	[see Table 5- Impl. Action:			1 LGU		Chisago SWCD for WBIF project see specific entit for non-WBIF projects	Partner local funds,	Multiple	ACD/SRWMO: Columbus updated wetland protections in ordinances.				
											state/federal grants						1
Maintain & restore habitat (Table 3-1 UP 1F)	Land with priority habitats and corridor connections	10% of land in new developments is dedicated to wildlife habitat [significant new areas of land conversion from vacant or rural land to residential, commercial/industrial, institutional, or transportation]		10% of land in new dev.	[see Table 5- Impl. Actions	1 10% of land in ] new dev.		10% of land in new dev.		SWCD/WMO/W /CLLID	D Partner local funds, state/federal grants						
Sensitive lake protection (Table 3-1 LK 2A)	Regionally Significant Lakes for Protection and Sustainable Development: Table 5-3 and Figure 5-3	Implement sustainable development and land preservation programs in lakesheds of priority lakes through 10 easements or acquisitions		2 easements or acquisitions		1 1 easement or ] acquisition		1 easement or acquisition		SWCD/WMO/W /CLLID	D Partner local funds, state/federal grants						
Landlocked basin impact on River (Table 3-1 STC 1B, 3A, 4C)	Eutrophic natural landlocked basins to be discharged to St. Croix River	Perform analysis and implement measures to meet state standards for nutrients on 3 waterbodies		2 basins	[see Table 5- Impl. Action:	1 1 basin		1 basin		SWCD/WMO/W /CLLID	D Partner local funds, state/federal grants	WD	VBWD performed anlyses on Goose Lake in city of Lake Elmo in 2021.	\$37,000	\$37,000		
OTAL: Part B. Implementa	tion for Developed and Developing Lands (Part B does r	ot assign dollar amounts to numbered line it	ems)		\$2,041,60	0	\$1,020,800	0	\$1,020,800					\$1,518,65		95	
C. Implementation for Ecos	system Services																pho
Rivers & Streams ecosyste ns & flow (Table 3-1 R&S 2A, 3A, STC IB)	St. Croix River and Lake St. Croix direct drainage tributaries	Reduce TP loading and TSS loading by 425 lbs and 1,085 tons, respectively. Implement 5 stream restoration projects to restore and improve stream corridors, instream habitat, and riparian area stability [Average TP reduction/restoration = 85 lbs; Average TSS reduction/restoration = 217 tons]		1 stream resto project	[see Table 5- Impl. Action			1 stream resto project		SWCD/WMO/W /CLLID	D Partner local funds, state/federal grants		CMSCWD: Marine on St. Croix Town Center Stormwater Retrofits. St. Croix River 16.7 lbs./yr TP and 15,010 lbs/yr TSS	\$400,000	CMSCWD = \$400,000 319 grant and local funding		lb/yr phospho
Frout populations Table 3-1 R&S 1B)	Trout streams (Brown's Creek, Valley Creek, Lawrence Creek, Trout Brook, Willow Brooke, Mill Stream, Falls Creek, Gilbertsons's Creek)	Trout populations maintained through stream restorations, BMP installations, and enforcement of development standards			[see Table 5- Impl. Action:					swcd/wmo/w /CLLID	D Partner local funds, state/federal grants		VBWD: Yes. BCWD: Oak Glen stormwater reuse project (see above) CMSCWD: Yes- I think. We do not actually measure trout populations.				
Wetland quantity (Table	In highest priority catchments (red, yellow	Create or restore 1,000 acres of historic		200 acres created or	[see Table 5-			100 acres		Chisago SWCD	FY21 WBIF		CLFLWD: Restored 6 acres of wetlands - Bone Lake Southeast/Meadowbrook				
3-1 WTL 2A, 2B)	and green areas) within BWSR's Compensation Planning Framework priority catchments in the Lower St. Croix River Watershed (Figure 5-5) 2. In locations where studies or mapping tools find that restoration will have significant positive impact on natural resources.	wetlands lost to land use changes		restored	Impl. Action:	] created or restored		created or restored		for WBIF project see specific entit for non-WBIF projects	Partner local funds, state/federal grants		Wetland Restoration (cost included in line #2)				
Wetland loss (Table 3-1 WT 2A, 1B)	L Judicial and public ditches	Mitigate loss of wetland acres resulting from ditch maintenance activities		No net wetland loss	[see Table 5- Impl. Action:	No net wetland	1	No net wetland loss		SWCD/WMO/W /CLLID	D Partner local funds, state/federal grants						 

Projects highlighted in green are	funded by Watershed Based Implementation Fund gran	nt. Projects in white are funded by other source	;.	From CWI	МР	2	-year ouputs and	costs divided by	/ 2				2021 Yearend Progress	Reporting		
# Activity	Priority Location	Measurable Output	Implementation Actions	Years 1-2 Outputs	Years 1-2 Estimated Cost	Fiscal Year 1 (Jul '21-Jun '22) Outputs	Fiscal Year 1 (Jul '21-Jun '22) Estimated Cost	Fiscal Year 2 (Jul '22-Jun '23) Outputs	Fiscal Year 2 (Jul '22-Jun '23) Estimated Cost	Fiscal Agent/ Responsible Party	Funding Sources	WD, WMO, SWCD, County LID, or Multiple	Year 1 (2021)  Description of Outputs Accomplished	Year 1 Dollars	(2021) s Spent	1 (2021) rus Removal
30 Wetland quantity (Table 3-1 WTL 2B)	Basin wide	Create and maintain 2 new BWSR and USACE approved wetland banks within the basin		1 new wetland bank	[see Table 5-1 Impl. Actions]			1 new wetland bank		SWCD/WMO/W /CLLID	funds, state/federal grants					
31 AIS in Lakes & St. Croix River (Table 3-1 LK 2C; STC 2A)	High traffic boat launches on St. Croix River and Lake St. Croix	Increase watercraft inspection hours by 25%		Increase hours by 5%	[see Table 5-1 Impl. Actions]	Increase hours by 2.5%		Increase hours by 2.5%		SWCD/WMO/W /CLLID	Partner local funds, state/federal grants	County	- Chisago County: St. Croix River = 35 increase in total watercraft inspection and decontamination hours from 2020 - 2021 in Chisago County (127.5 total hours in 2020 to 162.5 total hours in 2021 - a 27.4% increase). Countywide = 1,306.75 increase in total watercraft inspection and decontamination hours from 2020 - 2021 in Chisago and Northern Washington Counties (3,694.50 total hours in 2020 to 5,001.25 total hours in 2021 - a 35.4% increase).		\$76,000	
												County	Washington County - 657 increase in hours of Level 1 inspection hours for the entire program. Note that CLFLWD performs their own inspection program and is not reflected in this total. Also note that hours are spent outside the LSC basin. (2020 3,381 hours total - 2021 hours total 4,038 - 16% increase).	\$237,326	\$113,615	
												WD	CLFLWD partners with Chisago County to implement a watercraft inspection program and also hires its own inspectors to perform even more inspection hours. CLFLWD-hired inspection hours (Bone/Comfort/Forest - all three accesses): 2020 = 2,911 hours; 2021 = 2,107 hours (28% decrease due to hiring difficulties, but still met CLFLWD goals overall)		\$47,711	
32 AIS (Table 3-1 LK 2C; STC 2A; R&S 2B)	Within 15 miles of all public boat launches on zebra mussel infested lakes and rivers	Provide AIS decontamination station		2 new decon stations	[see Table 5-1 Impl. Actions]			1 new decon station		swcd/wmo/w /cllid	D Partner local funds, state/federal grants	Multiple	CLFLWD: Partnered with Chisago County to provide rotating mobile decontamination station at Forest 1, Forest 3, Comfort and Bone accesses. Chisago County: Completed 64 decontaminations at 10 public water accesses located in Chisago and Northern Washington Counties (Bone, Chisago/South Lindstrom, Comfort, N/S Center, Forest E/W, Green, and E/W Rush Lakes).	\$16,000	\$16,000	
33 AIS signs (Table 3-1 LK 2C; STC 2A; R&S 2B)	Basin wide	Install AIS informational signage at 20 boat launches and marinas		4 new launches w/ signage	[see Table 5-1 Impl. Actions]	2 new launches w/ signage	1	2 new launches w/ signage		SWCD/WMO/W /CLLID	'D Partner local funds, state/federal grants	Multiple	CLFLWD: Installed bait disposal signage at 5 accesses (Forest 1-3, Bone, Comfort). Last general AIS signage upgrade was in 2019. Chisago County: Received 6 bait disposal bins from CLFLWD and installed at Chisago/South Lindstrom, N/S Center, Green, and E/W Rush Lakes public water accesses.	\$4,000	\$4,000	
34 AIS in Lakes (Table 3-1 LK 2C)	Lakes in Chisago Co. and Isanti Co. with public access	Develop 1 comprehensive AIS rapid response plan for lakes		1 comprehensive AIS rapid response plan developed	[see Table 5-1 Impl. Actions]			1 comp. AIS rapid response plan developed		SWCD/WMO/W /CLLID	D Partner local funds, state/federal grants					
35 Phragmites (Table 3-1 WTL 1C)	In order of priority  1. Chisago Lakes LID  2. Carlos Avery WMA  3. Elsewhere in Chisago Co and Isanti Co  4. Headwaters of North Branch & West Branch Sunrise River	Reduce the size and number of invasive phragmites locations as reported on EddMaps by 50% or 45 infestation areas. Stabilize and eradicate those small infestations less than 1,000 – 2,000 sq. ft. through rapid response plans, where available		Reduce by 9 infestations	[see Table 5-1 Impl. Actions]			Reduce by 5 infestations		SWCD/WMO/W /CLLID	D Partner local funds, state/federal grants	Multiple	CLLID partnered with area lake associations and the University of Minnesota to control invasive phragmites along lakeshores and in roadside right-of-ways. 68 locations were treated in 2021. The CLLID provided funding to loca lake associations to treat for aquatic invasive plants including curlyleaf pondweed, Eurasian water milfoil and invasive phragmites. Control efforts will continue in 2022.  Chisago County: Partnered with Wild Rivers Conservancy to conduct roadside surveys in N/S Chisago Lake, Franconia and Lent Townships and Harris to identify and map invasive phragmites populations. Partnered with U of M to treat 40 locations along roadsides and private property in Chisago County.		17000 \$2,000	
36 Lake levels (Table 3-1 LK 3A)	Chisago Co. Lakes = Chisago Lakes Chain of Lakes (Chisago, South Lindstrom, North Lindstrom, Green, Little Green, North Center, South Center), Fish, Horseshoe, Little Horseshoe, Sunrise	Develop resiliency plans or responses, such as a Slow-No-Wake Ordinance or Channel and Weir Operations and Maintenance Plans, to address vulnerable properties		Review and modify existing plans	[see Table 5-1 Impl. Actions]		:	Review and modify existing plans		swcd/wmo/w /cllid	D Partner local funds, state/federal grants	Multiple	Chisago County: Staff and volunteers monitor 4 lake level gauges to determine implementation of countywide Slow-No-Wake Ordinance. (Fish, Horseshoe, Goose and Rush Lakes, along with 15 gauges located in the CLLID).  CLLID reviewed the 2016 Channel & Weir Operation & Maintenance Plan. No changes will be made to the plan. An appendix will be added to the plan summarizing a review of the operational procedures for the Lofton weir. The			
37 Internal loading (Table 3-1 LK 1D)	In lakes where internal loading is estimated to be a significant contributor to degraded water quality and where not addressing the internal loading would result in sustained degradation (See Internal Loading Lakes Table 5-4)				[see Table 5-1 Impl. Actions]					SWCD/WMO/W /CLLID	/D Partner local funds, state/federal grants	WD	nlan will be submitted to the DNR for renowal in 2022 82-135 Echo Lake in VBWD is being de-listed.			
38 *Shoreland (Table 3-1 UP 1A, R&S 2A, LK 2B)	Basin wide	Increase the number of LGUs (including counties) by 2 that adopt innovative shoreland standards			[see Table 5-1 Impl. Actions]				(	Chisago SWCD	FY21 WBIF (Activity 3)	Multiple	Hired Shared Services Educator. 2021 WBIF expenditures on Educator: \$39,449	\$39,449	\$39,449	
39 Resilient lands (Table 3-1 UP 1C, 1D)	Private lands in priority corridors and critical habitat areas and large-scale developments with land-use change	Increase in the number of diverse landscape designs and plantings resilient to climate change		4 designs	[see Table 5-1 Impl. Actions]	2 designs		2 designs		swcd/wmo/w /CLLID	D Partner local funds, state/federal grants					
UP 1B; R&S 2A; LK 2A)	First priority: Areas near already protected lands (public or private), tributaries near impaired waters, areas where known endangered species are present and identified biologically significant natural areas as identified by MLCCS mapping Second priority: Basin wide	At least 1,000 acres protected through acquisition and easements.		200 acres protected	[see Table 5-1 Impl. Actions]			100 acres protected		SWCD/WMO/W /CLLID	(D Partner local funds, state/federal grants	WD	VBWD: 4.1 acres purchased and kept in permanent conservation easement in 2021			
												State County County	DNR: 60 acres added to William O'Brien State Park Washington County: 53 acre conservation easement on Silver Creek near Fairy Falls (NPS) in CMSCWD Chisago County: 40 acres purchased and added to Checkerboard County Park. Closing date is April 15, 2022. Purchased through DNR Natural and Scenic grant (\$44,800 total cost).	\$324,800		

Projects highlighted in green are	e funded by Watershed Based Implementation Fund grant	t. Projects in white are funded by other sou	rces.	From CWN	МР	2-year ouputs a	nd costs divided b	oy 2				2021 Yearend Progress	Reporting			
# Activity	Priority Location	Measurable Output	Implementation Actions	Years 1-2 Outputs	Estimated (Jul	Fiscal Year 1 '21-Jun Outputs Fiscal Year (Jul '21-Jur '22) Estimate Cost	fiscal Year 2	Fiscal Year 2 (Jul '22-Jun '23) Estimated Cost	Fiscal Agent/ Responsible Party	Funding Sources	WD, WMO, SWCD, County, LID, or Multiple	Year 1 (2021) Description of Outputs Accomplished		1 (2021) rs Spent		. (2021) us Removal
41 Land protection (Table 3-1 UP 1C, LK 1B)	First priority: Areas where upland habitat is fractured and shoreline areas where there is high to moderate development or land under future development pressure Second priority: Basin wide			4 new plans	[see Table 5-1 2 new Impl. Actions]	plans	2 new plans		SWCD/WMO/W /CLLID	D Partner local funds, state/federal grants	County	Washington County: 53 acre conservation easement on Silver Creek near Fairy Falls (NPS) in CMSCWD				
42 Habitat improve (Table 3-1 UP 2C)	Basin wide based on prioritized mapping including MLCCS maps and other critical habitat mapping	1,000 new acres managed for better habitat, or as recommended in Landscape Stewardship Plans		200 new acres managed	[see Table 5-1 100 n Impl. Actions] mana		100 new acres managed		SWCD/WMO/W /CLLID	D Partner local funds, state/federal grants	County	Washington County: 14 acre prairie and savannah restoration on Silver Creek near Fairy Falls (NPS) in CMSCWD Washington County: 166 acres prairie and oak savanna restoration in Lake Elmo Park Reserve	\$473,000	\$43,000 CMSCWD, WCD, Land Trust funds \$430K – Outdoor Heritage grant at all WashCo Parks		
43 Protected lands (Table 3-1 UP 2B)	Areas located along bluffland or adjacent to publicly owned forest land such as state parks and trails	Increase acres under private Forest Management Plans or Woodland Stewardship Plans by 20% [23 plans over 10 years]		4 new plans developed	[see Table 5-1 Impl. Actions]				SWCD/WMO/WI /CLLID	D Partner local funds, state/federal grants	SWCD	PSWCD: 2 Woodland Stewardship Plans written in Rock Creek Watershed. Total acreage under both plans are 254 acres.				
SUBTOTAL: Part C. Implementa	tion for Ecosystem Services (Part C does not assign dolla	ar amounts to numbered line items)			\$1,907,000	\$953,5	00	\$953,500					\$1,513,57	5	16.7	lb/yr phosphorus
Part D. Implementation for Pric	oritization and Analysis: Issues, Goals, Actions, Measural Basin wide	ble Outputs, and Priority Locations  Evaluate the water quality metrics, set reporting standards, report on goal progress for the St. Croix River	Identify, appoint, and empower entity or person to lead/evaluate the water quality metrics, set reporting standards, report on goal progress.		\$50,000	\$25,0	00		Chisago SWCD for WBIF project see specific entit for non-WBIF projects	Partner local funds,						
45 GW 3A	Order of Priority: 1) Surrounding known contamination sites where data are lacking 2) DWSMAs 3) Townships without nitrate testing 4) Basin wide	Pollution sources (including mines), areas around chemical contamination sites, vulnerable areas, and surface water-GW interactions are studied and mapped	Work with State agencies and Metropolitan Council to study and map pollution sources (including mines), areas around chemical contamination sites, vulnerable areas, and surface water-GW interactions		so		\$0	\$0	SWCD/WMO/Wi /CLLID	state/federal grants D Partner local funds, state/federal grants						
46 GW 3A	Basin wide	100% of recharge areas and groundwatersheds of GW dependent natural resources are mapped	Support agencies such as DNR and Met Council in mapping recharge areas and groundwatersheds of GW dependent natural resources		\$0		\$0	\$0	SWCD/WMO/WI /CLLID	D Partner local funds, state/federal grants						
47 GW 3A	Basin wide where needed	Complete at least one county groundwater plan	Build on existing GRAPS to develop groundwater plans that lay out technical framework, issues, policies and implementation actions for the protection and conservation of groundwater resources.		\$0		\$0	\$0	SWCD/WMO/WI /CLLID	D Partner local funds, state/federal grants						
48 GW 3A	Maintain basin wide; expand in Isanti and Pine Co. 1) DWSMAs 2) Groundwatersheds of GW-dependent natural resources	Maintain existing or increase number of new observation wells	Work with MnDNR to maintain and expand observation well program	1	\$83,730	\$41,8	65	\$41,865	SWCD/WMO/WI /CLLID	D Partner local funds, state/federal grants	LID	CLLID - 4 ground water monitoring wells are located in the CLLID. These wells are monitored to ensure that substantial drawdown of the aquafers does not occur which may affect drinking water wells.				
49 *LK 1D	Regionally Significant Lakes for Internal Loading Analyses Table 5-4	Calculate internal loading of phosphorus	Calculate internal loading of phosphorus on 15 lakes @ \$25,000 each		\$75,000	\$37,5	00		Chisago SWCD for WBIF project see specific entit for non-WBIF projects		WD	CLFLWD: Began planning for 2022 Forest Lake Internal Load Analysis. Study approved for WBIF grant funding (\$16,500 in WBIF grant, \$19,830 proposed match). None spent in 2021. Study to occur in 2022.	\$(	\$0		
50 LK 4A	Anoka Co. Lakes = Pet, Rice, South Coon, Skunk, Tamarack Chisago Co. Lakes = Sunrise, Little Horseshoe Isanti Co. Lakes = Hoffman, Horseleg, Horseshoe, Upper and Lower birch, East and West Twin, Tamarack (30-0001-00), Long (30-0002-00), Big Pine (30-0015-00), Grass (30-0017-00), Splittstoeser (30-00041-00)	Baseline data such as transparency, total phosphorus and chlorophyll- a are collected	Develop monitoring plan and collect data using available means such as volunteers, Met Council's CAMP, MPCA's citizen monitoring program, MPCA's Intensive watershed monitoring program, SWCDs, counties, parks departments, lake associations, etc.  Anoka Co annual costs (5 lakes * \$2,100/lake) = \$10,500  Chisago Co annual costs (2 lakes) = \$1,200  Isanti Co annual costs (12 lakes) = \$1,430/lake = \$17,160		\$57,720	\$28,860			SWCD/WMO/W	D Partner local funds, state/federal grants	SWCD	ISWCD: Data collected on Hoffman, Horseleg, Horseshoe, Upper and Lower Birch, East and West Twin Lakes. (Funding Source: Oxford Twp)  SRWMO: In 2021 did 2 rounds of outreach at Pet, Rice, South Coon, Skunk and Tamarack Lakes but secured volunteers at none.	\$28,130	\$8,300		

Projects highlighted in green ar	re funded by Watershed Based Implementation Fund gra	nt. Projects in white are funded by other source	ces.	From CWI	MP	2-year ouputs and costs divided			d by 2				2021 Yearend Progress Reporting				
# Activity	Priority Location	Measurable Output	Implementation Actions	Years 1-2 Outputs	Years 1-2 Estimated Cost	Fiscal Year 1 (Jul '21-Jun '22) Outputs	Fiscal Year 1 (Jul '21-Jun '22) Estimated Cost	Fiscal Year 2 (Jul '22-Jun '23) Outputs	Fiscal Year 2 (Jul '22-Jun '23) Estimated Cost	Fiscal Agent/ Responsible Party	Funding Sources	WD, WMO, SWCD, County, LID, or Multiple	Year 1 (2021) Description of Outputs Accomplished	Year 1 Dollars	•	Year 1 (2021) Phosphorus Removal	
												LID	Chisago County: Data collected on Little Horseshoe Lake and at 8 additional sites located in northern Chisago County. See #50 CLLID - for water quality monitoring procedures and summary report process.  CLLID - Conducted monthly (May-September) water quality monitoring at 23 lake sites. Monitoring included secchi disk readings, chlorophyll a, ammonia nitrogen and total phosphorus levels. This included a summary report which provided trophic state index values for each lake monitored. The long term water quality monitoring program provided data to support delisting North & South Center Lakes from the impaired waters list for nutrients.		\$2,423 \$16,500		
51 LK 4A STC 2B, 4C	Basin wide	Participate in studies and/or stay informed of latest science to assess the impact of a changing climate on lakes and the St. Croix River	Use latest climate science to implement adaptive management	Included in existing work			\$0		\$0	SWCD/WMO/WI /CLLID	D Partner local funds, state/federal grants		ACD: Completed SWCD comp plan in which climate change is a consideration in implementation.	\$20,000			
													CMSCWD, BCWD, CLFLWD, MSCWMO hosted a floodplain resiliency planning work session for Wash Co., LGUs, and state entities to identify best approaches for evaluating floodplain resiliency. Final report is guiding floodplain resiliency modeling and planning efforts in 2022/2023.	\$20,000	\$20,000		
52 LK 4A	Chisago Chain of Lakes	100% of lakes prone to anthropogenic water level variation are identified	Manage the channel and weir system with an approved operation and maintenance plan.		\$72,000		\$36,000		\$36,000	SWCD/WMO/WI /CLLID	D Partner local funds, state/federal grants		The CLLID has an approved Channel & Weir Operation and Maintenance plan. The channel & weir system controls water levels during high water conditions. The CLLID conducts inspections and maintenance of the system as needed. The system is well maintained and functioning properly.	\$31,000	\$31,000		
53 LK 4A	Basin wide	100% of lakes prone to direct anthropogenic water level variation are identified	Participate in DNR lake level monitoring program to routinely collect lake level data		\$26,000		\$13,000		\$13,000	SWCD/WMO/WI /CLLID	Partner local funds, state/federal grants	LID	The CLLID monitors 15 lake level gauges weekly during open water season. Lake levels, observed from the gauges, help determine when to open and close the weirs during high water conditions. In 2021, the Lake Ellen weir, which controls water levels on Green, Little Green and Lake Ellen, was opened from April through October.	\$4,800	\$3,600		
													Chisago County: Staff and volunteers monitor 4 lake level gauges to determine implementation of countywide Slow-No-Wake Ordinance. (along with 15 gauges located in the CLLID).		\$1,200		
54 *LK 1A, 1B, 4A	Subwatersheds of Regionally Significant Lakes Table 5-3 and Figure 5-3	20 subwatershed project targeting analyses are completed (estimated \$10,000-\$50,000/SWA or \$30,000 ave)	Conduct analyses to identify and prioritize water quality improvement projects within a priority subwatershed. Methods and analyses can include site or field scale subwatershed analyses, diagnostic monitoring, spatial analysis and	5 SWAs	\$150,000		\$75,000		\$75,000	Chisago SWCD	FY21 WBIF (Activity 8)	SWCD	CSWCD: Goose Lake.	\$8,000	\$8,000		
													CLFLWD: Began drafting sequential diagnostic monitoring protocols. Other targeting-related protocols are in-progress as well by other partners, but have not incurred expenditures in 2021.	\$3,000	\$3,000		

								osts divided by 2					2021 Yearend Progress				
# Activity	Priority Location	Measurable Output	Implementation Actions	Years 1-2 Outputs	Years 1-2 Estimated Cost	(Jul '21-Jun	Jul '21-Jun 2) Estimated	(Jul '22-lun	Jul '22-Jun B) Estimated Res	al Agent/ sponsible Party	Funding Sources	WD, WMO, SWCD, County, LID, or Multiple	Year 1 (2021) Description of Outputs Accomplished		. (2021) s Spent		l (2021) us Removal
55 *R&S 1A, STC 4B	Regionally Significant Rivers and Streams: - Streams and tributaries in Sunrise R. Watershed - Direct drainage areas to St. Croix River through Rock, Rush, Goose, and Browns Creeks and Trout Brook and other small streams as shown in Table 5-2 and Figure 5-2.	20 subwatershed project targeting analyses are completed (estimated \$10,000 - \$50,000/SWA or \$30,000 ave)	mapping, modeling, cost benefit analyses, or other data-driven targeting activities.  See <u>Section VII.B</u> . for further description.	5 SWAs	\$150,000		\$75,000		\$75,000 Chisag	go SWCD	FY21 WBIF (Activity 8)	SWCD	CSWCD: Direct Drainage and City of NB	\$9,000	\$9,000		
56 STC 4A, 4C	Tributaries to the St. Croix	Coordinated hydrologic, chemical, and biological monitoring of the St. Croix River and its tributaries; nutrient loading data of major tributaries to the St. Croix River is evaluated.	Operate up to 10 new monitoring stations that lack data (quality and quantity) to evaluate progress toward achieving the TMDL and to identify priority subwatersheds. @ \$10,000/year/station		\$100,000		\$50,000		\$50,000 SWCD, /CLLID	)	Partner local funds, state/federal grants						
57 STC 3A	Land use authorities in the St. Croix Riverway.	Evaluate the floodplain and zoning ordinances for consistency and effectiveness in protecting the floodplain function and preventing flood damages. Include impacts of variances in the evaluation.	Work with land use authorities along St. Croix River and MnDNR Area Hydrologists to evaluate floodplain and zoning ordinances and update where appropriate.		\$50,000		\$25,000		\$25,000 SWCD, /CLLID	)	Partner local funds, state/federal grants						
58 *STC 48 & UP 2A	Intermittent and perennial tributaries and watercourses flowing directly to St. Croix River	Inventory and prioritize active erosion sites.	Identify, evaluate, and rank active gullies directly discharging into the St. Croix or its tributaries [LIDAR to identify gully locations; RUSLE & BWSR pollution reduction calculator to determine pollution reduction numbers]		\$50,000		\$25,000		\$25,000 Chisag		FY21 WBIF (Activity 8)						
59 *STC 2B, 4C UP 1A	Basin wide	Map priority restoration and protection areas for acquisition, easements, and voluntary stewardship	Complete level 4/5 MLCCS basin wide. Expand the Washington County Natural Resource Framework and use their methodology in Anoka, Chisago, Isanti, and Pine Counties. (MLCCS = \$1,000/sq mi * 640 sq miles)		\$240,000		\$120,000		\$120,000 Chisag		FY21 WBIF (Activity 8)						
60 UP 1E	First priority: Public lands or near public lands; areas may be further prioritized thru cooperative weed mgmt area Second priority: Basin wide	Map and target "eradicate and control list" invasive species populations for each county Contact 50% of landowners for species on restricted list	Implement a cooperative weed management area (including MNDOT when possible) and promote associated implementation strategies.		\$0		\$0		\$0 SWCD. /CLLID	)	Partner local funds, state/federal grants		Chisago County and Chisago Lakes Lake Improvement District: Please see #35.				
61 WTL 3E	Pine County	Complete soil survey	Complete soil survey as developed by NRCS, USDA & shown in Soil Survey Geographic (SSURGO) Database	To be completed by NRCS			\$0		\$0 SWCD. /CLLID	)	Partner local funds, state/federal						
62 *WTL 3D	Wetlands upstream of nutrient impaired streams and lakes	Monitor 10 identified wetlands for nutrient and volume contribution to impaired lakes and streams	Use subwatershed analyses or monitoring/modeling data to identify degraded wetlands with the potential of contributing high nutrient loads to downstream resources.		\$150,000		\$75,000		\$75,000 Chisag		FY21 WBIF (Activity 8)						
63 *WTL 3D	Basin wide	Identify 5 degraded wetlands with best restoration potential in each HUC 10	Use existing Restorable Wetland Prioritization Tool to focus effort	To be completed in conjunction with existing activities			\$0		\$0 Chisag	go SWCD	FY21 WBIF (Activity 8)						
64 WTL 3E & 1D	1st priority: Public ditches in Isanti Co. 2nd priority: Basin wide	Obtain Nutrient Loading Data in basins/wetlands near Ditch outlets to identify areas for ditch improvements to filter runoff	Collect water quality data near ditch outlets of 25 ditches (estimated \$2,000 per ditch)		\$10,000		\$5,000		\$5,000 SWCD. /CLLID	)	Partner local funds, state/federal grants						
65 WTL 3A, 3B, 3C	1 <sup>st</sup> Priority: Isanti County 2 <sup>nd</sup> Priority: Basin wide	Create wetland inventory based on MLCCS, and function and value assessment and/or floristic quality assessment	Increase by 5 the number of LGUs with policies requiring wetland function and value assessments with project proposals such as developments or ditch work.		\$20,000		\$10,000		\$10,000 SWCD. /CLLID	/WMO/WD							
66 WTL 3B	Pine County and Isanti County	An inventory and map of all areas of wetland loss and historic wetlands is locally verified	Verify recently completed inventory and map % of areas of wetland loss and historic wetlands		\$12,000		\$6,000		\$6,000 SWCD. /CLLID	)	0						
SUBTOTAL: Part D. Implement TOTAL: Table 5-1 Parts A, B,	tation for Prioritization and Analysis: Issues, Goals, Action		ons		\$1,296,450 \$7,317,850		\$648,225 \$3,658,925		\$648,225 \$3,658,925					\$103,930 \$5,070,370		657.77	lb/yı

UP = Upland Habitat WQ = Water Quality R&S = Rivers & Streams

STC = St. Croix River & Lake St. Croix

AIS = Aquatic Invasive Species SSTS = Subsurface Sewage Treatment Systems LK = Lakes WTL = Wetlands

GW = Groundwater

Projects funded by FY21 WBIF grant are highlighted in green
\*LSC Implementation Plan activities related to FY21 WBIF grant work plan have an asterisk

EVALUATION OF PARTNERSHIP GOVERNANCE STRUCURE: During January and April 2022 the Policy Committee evaluated the adequacy and effectiveness of the partnership's governance structure. They recommend continuing with the joint powers collaboration model. Some operating procedure changes were recommended by the Steering Committee to increase efficiency, including: accepting funding requests approximately three times per year rather than continuously, reducing the use of subcommittees to review proposals and instead have proposals directly reviewed by the full Steering Committee, and seeking Policy Committee recommendations on all requests over \$50,000. The Policy Committee favored these changes and the Steering Committee will make them. The governance structure will be reviewed annually.

WBIF 2021 Administrative Costs = \$24,219

\*\$164,653 of total spend came from WBIF, and the remainder were local funds or other grant sources