

Potential NRE Activities and Potential Agency Roles

Proposed Action (specific tasks/items)	Objective Action Reference (see legend)	Proposed Year of Activity (H/M/L/O)	Roles RLWD	Roles DNR	Roles MPCA	Roles BWSR	Roles USACE	Roles USFWS	Roles FEMA	Roles NRCS	Roles SWCD/CWP	Roles Cities	Constraints to partnering and possible action to resolve
1 Increase number of monitoring WQ sites	WW	H	PC	PIK	PC	SC	V	SIK	V	V	SIK	V	
2 Develop TMDL diagnostic Studies	WW	H	PC	PIK	PC	SC	V	SIK	V	V	SIK	V	
3 Initiate TMDL implementation strategies	WW	M	PC	PIK	PC	SC	V	SIK	V	V	SIK	V	
4 Improve District Website and education programs	WW	H	PC	PIK	PIK	SC	V	SIK	V	V	SIK	V	
5 Coordinate water quality project components	WW	H	PC	PIK	PC	SC	V	SIK	V	V	SIK	V	
6 Continue/Expand River Watch Program	WW	H	PC	PIK	PC	SC	V	SIK	V	V	SIK	V	
7 Develop monitoring locations (TMDL)	WW	M	PC	PIK	PC	SC	V	SIK	V	V	SIK	V	
8 Install vegetative buffer strips	WW	M	SIK	PC	SIK	SC	V	PC	V	V	PC	V	
9 Promote Agricultural BMPs	WW	H	SIK	PIK	SIK	SC	V	PIK	V	PC	PC	V	
10 Reduce soil erosion (ag, lakes, rivers)	WW	H	PIK	PIK	SIK	SC	V	PIK	V	PC	SIK	V	
11 Restore wetlands	WW	M	SIK	PC	SIK	SC	PIK	PC	V	PC	SIK	V	
12 Implement Lake Restoration Projects	WW	M	PIK	PIK	PC	SC	V	PC	V	PIK	SIK	V	
13 Promote comprehensive ditch management strategies	WW	H	V	PIK	V	SC	V	PC	V	PIK	SIK	V	
14 Acquire land for wildlife management area	WW	M	SIK	PC	SIK	SC	V	PC	V	PIK	SIK	V	
15 Restore grasslands	WW	M	SIK	PC	SIK	SC	V	PC	V	PIK	SIK	V	
16 Protect existing wetlands	WW	H	PIK	PIK	PIK	SC	PIK	PC	V	PIK	SIK	V	
17 Expand compatible recreation for local economy	WW	M	SIK	PC	SIK	SC	V	PC	V	PIK	SIK	V	
18 Support other agency programs on wetlands	WW	H	PIK	PIK	PIK	SC	PIK	PIK	V	PIK	SIK	PIK	
19 Project to address Clearwater River and Ruffy Brook	CR	H	PC	PC	SIK	SC	SIK	SIK	V	SIK	SIK	PC	
20 Review development at Walker Brook Lake	CR	M	PIK	PIK	SIK	SC	V	SIK	V	SIK	SIK	PIK	
21 Reduce lake shoreline erosion	CR	M	PIK	PIK	PIK	SC	PIK	V	V	V	SIK	V	
22 Improve Maple Lake water quality	CR	M	PC	PC	PC	SC	PIK	SIK	V	SIK	SIK	V	
23 Address water quality on Cameron, Badger and	CR	M	PC	PC	PC	SC	SIK	SIK	V	SIK	PIK	V	

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Mitchell Lakes													
24 Assess ISTS compliance on lakes	CR	H	PIK	PIK	PC	SC	PIK	V	V	V	SIK	PIK	
25 Complete Clearwater River Initiative phase II	CR	H	PC	PIK	PC	SC	V	V	V	V	PIK	V	
26 Address bank failures on CD 2, JD 60 and Grand Marais	GM	H	PC	PC	SIK	SC	V	PC	V	PC	SIK	V	
27 Address wind and water erosion	GM	M	SIK	SIK	SIK	SC	V	SIK	V	PC	PIK	V	
28 Restore and add windbreaks	GM	M	SIK	PC	SIK	SC	V	SIK	V	PC	PIK	V	
29 Promote Conservation tillage	GM	M	SIK	PIK	SIK	SC	V	SIK	V	PC	PIK	V	
30 Address erosion at confluence with Red River	GM	H	PC	PIK	PIK	SC	V	SIK	V	PC	PIK	V	
31 Implement TMDL workplan	GM	H	PC	PIK	PC	SC	V	V	V	V	PIK	V	
32 Reduce flashy hydrograph	GM	M	PC	PC	PC	SC	V	V	V	V	SIK	V	
33 Address tributary bank instability at outlets	LRLR	M	PC	PC	PC	SC	V	V	V	V	SIK		
34 Bank failure on JD 60 south of CR11	LRLR	H	PC	PC	PC	SC	V	V	V	V	SIK	V	
35 Bank sloughing in Crookston and Red Lake Falls	LRLR	M	PC	PC	PC	SC	V	V	V	V	SIK	V	
36 Bank failure on Polk CD 1, last mile	LRLR	H	PC	PC	PC	SC	V	V	V	V	SIK	V	
37 Sedimentation from ditches into natural streams	LRLR	H	SIK	PIK	SIK	SC	V	PC	V	PC	SIK	V	
38 Conduct comprehensive erosion assessment from outlet to Red River	LRLR	H	PC	SIK	SIK	SC	SIK	PIK	V	PIK	PIK	V	
39 Coordination with Red Lakes Nation	RL	H	PIK	PIK	PIK	SC	PIK	PIK	PIK	PIK	PIK	V	
40 Coordination for Red Lakes	RL	H	PIK	PIK	PIK	SC	PIK	PIK	PIK	PIK	PIK	V	
41 Erosion on Battle Creek	RL	M	PIK	PC	PC	SC	V	V	V	PC	PIK	V	
42 Sedimentation from ditch systems	RL	M	PIK	PC	PC	SC	V	V	V	PC	PIK	V	
43 Address river and ditch bank failures	TR	H	PC	PC	PC	SC	V	V	V	PIK	PIK	V	
44 Address erosion on Ditch 20 and laterals	TR	H	PC	PC	PC	SC	V	V	V	PIK	PIK	V	
45 Address ditch erosion	TR	H	PC	PC	PC	SC	V	V	V	PIK	PIK	V	

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46 SD 83 sedimentation and bank erosion	TR	H	PC	PC	PC	SC	V	V	V	PC	PIK	V	
47 TMDL implementation plan	TR	H	PC	PIK	PC	SC	V	V	V	V	SIK	V	
48 Promote installation of filter strips on ditches	URLR	H	PIK	PC	PC	SC	V	PC	V	PC	SIK	V	
49 Address river and ditch bank failures	URLR	H	PC	PC	PC	SC	V	PIK	V	V	PIK	V	
50 Address erosion on ditches and outlets	URLR	H	PC	PIK	PC	SC	V	PIK	V	PIK	SIK	V	
51 Develop TMDL implementation Plan	URLR	H	PC	PIK	PC	SC	V	V	V	V	SIK	V	

Proposed Year of Activity:

- H = 1-3 years
- M = 4-6 years
- L = 7-10 years
- O = ongoing

Objectives:

- WW – Watershed Wide
- CR – Clearwater River
- GM– Grand Marais Creek
- LRLR – Lower Red Lake River
- RL – Red Lakes
- URLR – Upper Red Lake River
- TR – Thief River

Proposed Roles:

- PC = Primary Sponsor using Cash,
- PIK = Primary Sponsor using In kind Services
- SC = Secondary Supporter using Cash
- SIK = Secondary Supporter using In kind Services
- V = Volunteer/Other Service