

Implementation Schedule

Estimated Timeline/Resources Needed

2014	2015	2016	2017	2018
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A. Protect Quality & Quantity of Groundwater

1. Develop Groundwater Plan				40,000	40,000
2. Implement Groundwater Plan (cost to be determined)					
3. Closure of abandoned wells (homeowner financed)					
4. Wellhead protection teams	5,000	5,000	5,000	5,000	5,000
5. Nitrate testing clinics	500	500	500	500	500
6. Drinking water test kits (homeowner financed)					
7. Geologic & Hydrogeologic Atlas	5,000	5,000	5,000	5,000	5,000
8. Wellhead protection site security	5,000	5,000	5,000	5,000	5,000
9. Emergency management planning		5,000	5,000		
10. Effects of sand and gravel mining		5,000	5,000		
11. Water protection policies for sand and gravel mining		10,000	10,000		
12. Contaminants of Emerging Concern		5,000	5,000	5,000	5,000
13. Northeast Twin Cities lake water level study	5,000	5,000	5,000		

Totals	20500	45500	45500	60,500	60,500
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B. Aquatic Invasive Species

1. Watercraft inspection and education	50,000	50,000	50,000	50,000	50,000
2. Control Eurasian Watermilfoil for navigation	15,000	15,000	15,000	15,000	15,000
3. Education and information	5,000	5,000	5,000	5,000	5,000
4. Lake management planning		15,000	15,000	15,000	15,000

Totals	70,000	85,000	85,000	85,000	85,000
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C. Non-compliant Septic Systems

	2014	2015	2016	2017	2018
1. Inspections and assistance	60,000	60,000	60,000	60,000	60,000
2. Financial assistance	100,000	100,000	100,000	100,000	100,000
3. Septic education program	4,000	4,000	4,000	4,000	4,000
4. Preserve septic system data	15,000	15,000			
5. Community wastewater treatment systems	5,000	5,000	5,000	5,000	5,000
6. Centralized wastewater treatment systems	5,000	5,000			
7. Holding tank waste receiving program	5,000	5,000	5,000	5,000	5,000
8. Septic System Owners Guides	1,000	1,000	1,000	1,000	1,000
9. Phosphorus free dishwashing detergent	1,000	1,000	1,000	1,000	1,000
Totals	196,000	196,000	176,000	176,000	176,000

D. Land Use Practices

St. Croix Basin	1. Lake St. Croix TMDL	45,000	45,000	45,000	45,000	45,000
	2. Urban and rural subwatershed assessments	20,000	20,000	20,000	20,000	20,000
	3. Whole farm management plans	10,000	10,000	10,000	10,000	10,000
	4. St. Croix River gully stabilization	30,000	30,000	30,000	30,000	30,000
Sunrise River Watershed	5. Sunrise River TMDL, restoration, protection plan	100,000				
	6. Implement Sunrise River restoration, protection plan	150,000	150,000	150,000	150,000	150,000
	7. Complete Sunrise River Watershed Study	5,000				
	8. Implement Sunrise River Watershed Study projects (resource needs to be determined)					
	9. Implement Sunrise River SWAT model projects (resource needs to be determined)					
	10. Spring Creek Discovery Farm monitoring	3,000	3,000	3,000	3,000	3,000
Chisago Lakes Chain of Lakes Watershed	11. Adopt uniform water protection ordinances	40,000	40,000			
	12. Chisago Lakes restoration, protection plan projects	300,000	300,000	300,000	300,000	300,000
	13. Pleasant Hills Park	65,000	65,000			
Comfort Lake	14. Implement 6 Lakes restoration, protection plan	40,000	40,000	40,000	40,000	40,000

Forest Lake Watershed District	15. Implement Capital Improvement Program	100,000	100,000	100,000	100,000	100,000	
	16. Implement Watershed Management Plan	50,000	50,000	50,000	50,000	50,000	
	17. Sunrise River Regional Stormwater Management	500,000	500,000	500,000	500,000	500,000	
	18. Wetlands inventory and assessment	25,000					
	19. Wyoming Surface Water Management Plan		10,000	10,000	10,000	10,000	
North Branch Sunrise River	20. Implement NBSR restoration, protection plan projects	75,000	75,000	75,000	75,000	75,000	
Rock Creek, Rush Creek, Goose Creek Watersheds	21. Complete Rock, Rush, Goose TMDL, restoration, protection plans	100,000					
	22. Implement Rock, Rush, Goose TMDL, restoration, protection projects		150,000	150,000	150,000	150,000	
	23. Internal phosphorus loading	30,000	30,000	30,000	30,000	30,000	
Agriculture and Rural	24. Agriculture best management practices	10,000	10,000	10,000	10,000	10,000	
	25. Manure management	5,000	5,000	5,000	5,000	5,000	
	26. Healthy forest initiatives	10,000	10,000	10,000	10,000	10,000	
	27. Parks and Trails water quality projects	20,000	20,000	20,000	20,000	20,000	
	28. Dennis Frandsen Park sediment removal plan	10,000	10,000				
	29. Dennis Frandsen Park sediment removal			30,000	30,000		
	30. Locate abandoned feedlots	2,500					
	31. Pilot conservation payment initiative		25,000	25,000	25,000	25,000	
	Urban	32. Urban stormwater best management practices	10,000	10,000	10,000	10,000	10,000
		33. Construction site inspection and assessment	15,000	15,000	15,000	15,000	15,000
Wetlands	34. Update Chisago County subdivision ordinance		20,000	20,000			
	35. Wetland Conservation Act administration	80,000	80,000	80,000	80,000	80,000	
	36. Wetland restoration project administration	10,000	10,000	10,000	10,000	10,000	
	37. Wetland restoration prioritization and installation	50,000	50,000	50,000	50,000	50,000	
Shorelands	38. Wetland inventory	15,000	15,000				
	39. Update Chisago County Shoreland Ordinance (resource needs to be determined)						
	40. Inventory general development and recreation Lakes		10,000	10,000			
	41. Shoreland best management practices	5,000	5,000	5,000	5,000	5,000	

Drainage Ditches	42. Inventory county public ditch system		20,000			
	43. Develop ditch management and maintenance plan			20,000		
	44. Implement ditch management and maintenance plan				40,000	40,000
	45. Erosion and sedimentation	5,000	5,000	5,000	5,000	5,000
	46. Chisago Lakes ditch and weir system maintenance	20,000	20,000	20,000	20,000	20,000
	47. Road maintenance product training	5,000	5,000	5,000	5,000	5,000

Totals		1,960,500	1,963,000	1,863,000	1,853,000	1,823,000
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E. Make Informed Decisions

Education and outreach	1. Childrens Water Festival	8,000	8,000	8,000	8,000	8,000
	2. Civic engagement strategy		10,000	10,000		
	3. Hook, Line and Sinker program	5,000	5,000	5,000	5,000	5,000
	4. Promote Water Smart best management practices	5,000	5,000	5,000	5,000	5,000
	5. Shoreland management information	10,000	10,000	10,000	10,000	10,000
	6. Clean water media campaigns	1,000	1,000	1,000	1,000	1,000
	7. Shoreland education workshops	1,000	1,000	1,000	1,000	1,000
	8. Nonpoint Education for Municipal Officials	5,000	5,000	5,000	5,000	5,000
	9. Environmental Connections Newsletter	20,000	20,000	20,000	20,000	20,000
	10. Agriculture education	5,000	5,000	5,000	5,000	5,000
Monitoring and assesment	11. Develop water quality monitoring plan		10,000	10,000		
	12. Lake water quality monitoring	10,000	10,000	10,000	10,000	10,000
	13. River and stream water quality monitoring			30,000	30,000	30,000
	14. Water quality monitoring report	5,000	5,000	5,000	5,000	5,000
	15. MPCA citizen lake and stream monitoring program	5,000	5,000	5,000	5,000	5,000
	16. Lake level monitoring program	10,000	10,000	10,000	10,000	10,000
Pine Isanti Chisago Kanabec Mille Lacs	17. Support the PICKM alliance	10,000	10,000	10,000	10,000	10,000
	18. PICKM education and training	5,000	5,000	5,000	5,000	5,000
	19. Support lake and river associations	5,000	5,000	5,000	5,000	5,000

Totals		110,000	130,000	160,000	140,000	140,000
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F. Sufficient Resources

	2014	2015	2016	2017	2018
1. Water Plan Administration	80,000	80,000	80,000	80,000	80,000
2. Lake Improvement District administration	50,000	50,000	50,000	50,000	50,000
3. Additional water management organizations	5,000	5,000			
4. St. Croix Basin Team participation	5,000	5,000	5,000	5,000	5,000
5. Biofuels Feasibility Study			5,000	5,000	

Totals	140,000	140,000	140000	140000	135000
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Totals

A. Protect Quality & Quantity of Groundwater

B. Aquatic Invasive Species

C. Non-compliant Septic Systems

D. Land Use Practices

E. Make Informed Decisions

F. Sufficient Resources

Totals

	2014	2015	2016	2017	2018
A. Protect Quality & Quantity of Groundwater	20500	45500	45500	60,500	60,500
B. Aquatic Invasive Species	70,000	85,000	85,000	85,000	85,000
C. Non-compliant Septic Systems	196,000	196,000	176,000	176,000	176,000
D. Land Use Practices	1,960,500	1,963,000	1,863,000	1,853,000	1,823,000
E. Make Informed Decisions	110,000	130,000	160,000	140,000	140,000
F. Sufficient Resources	140,000	140,000	140000	140000	135000
Totals	2497000	2559500	2469500	2,454,500	2,419,500