

Table 6-1 District Implementation Programs and Projects during 10-year Plan Cycle

Implementation Items		Goal Reference	Priority (H= high, M= medium, L= low)	NMCWD Role (Lead, Partner, or Participant)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total Estimated Cost (2018-2027)
<b>Studies (S)</b>															<b>\$1,330,000</b>
S-1	Evaluate impacts and develop a District climate change adaptation strategy to identify natural and water resource vulnerabilities to climate change and potential adaptation strategies.	5.8.1.1.A.	H / M	Lead				\$15,000							\$15,000
S-2	Assess increased flood risk due to predicted climate changes.	5.7.2.4.A.	H	Lead/Partner	\$70,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$160,000
S-3	Conduct study of groundwater and surface water interaction in Nine Mile Creek watershed to better understand the impacts of groundwater on lake, wetland and stream hydrology; and identify and map areas in the watershed based on potential for (and limitations to) groundwater recharge.	5.5.1.1.C., 5.5.3.1.A.	H	Lead		\$80,000									\$80,000
S-4	Collaborate with others to research infiltration impacts on groundwater and develop a consistent approach to protecting areas sensitive to groundwater contamination.	5.5.1.2.A.	H	Participant			\$10,000	\$10,000							\$20,000
S-5	Inventory areas within the District for possible natural space restoration or enhancement and maintain a database of these opportunities.	5.3.2.1.A.	M	Lead/Partner		\$10,000									\$10,000
S-6	Complete update of Use Attainability Analyses for Normandale Lake.	5.2.3.1.B.	H	Lead	\$25,000										\$25,000
S-7	Conduct Use Attainability Analyses for Lake Edina.	5.2.3.1.A.	H	Lead	\$45,000										\$45,000
S-8	Update Use Attainability Analyses for Lake Cornelia (North and South).	5.2.3.1.B.	H	Lead	\$30,000										\$30,000
S-9	Update Use Attainability Analyses for Lake Smetana.	5.2.3.1.B.	H	Lead		\$30,000									\$30,000
S-10	Update Use Attainability Analyses for Indianhead and Arrowhead Lakes.	5.2.3.1.B.	M	Lead				\$45,000							\$45,000
S-11	Update Use Attainability Analyses for Mirror Lake.	5.2.3.1.B.	M	Lead					\$30,000						\$30,000
S-12	Update Use Attainability Analyses for Penn Lake.	5.2.3.1.B.	M	Lead						\$30,000					\$30,000
S-13	Update Use Attainability Analyses for Bush Lake.	5.2.3.1.B.	H	Lead					\$30,000						\$30,000
S-14	Update Use Attainability Analyses for Birch Island Lake.	5.2.3.1.B.	H	Lead				\$30,000							\$30,000

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S-15	Update Use Attainability Analyses for Bryant Lake.	5.2.3.1.B.	H	Lead								\$30,000			\$30,000
S-16	Update Use Attainability Analyses Glen, Lone, Minnetoga, and Shady Oak Lakes.	5.2.3.1.B.	H	Lead									\$60,000		\$60,000
S-17	Update Use Attainability Analyses for Anderson Lakes.	5.2.3.1.B.	H	Lead							\$45,000				\$45,000
S-18	Update Use Attainability Analyses for Holiday, Wing, and Rose Lakes.	5.2.3.1.B.	M	Lead				\$30,000							\$30,000
S-19	Complete or update Use Attainability Analyses (UAAs), as needed	5.2.3.1.A., 5.2.3.1.B.	M	Lead									\$45,000		\$45,000
S-20	Work with agencies and stakeholders to develop subwatershed-based implementation programs for the North Fork of Nine Mile Creek.	5.2.3.1.C.	H	Lead		\$50,000									\$50,000
S-21	Work with agencies and stakeholders to develop subwatershed-based implementation programs for the South Fork of Nine Mile Creek.	5.2.3.1.C.	H	Lead			\$50,000								\$50,000
S-22	Work with agencies and stakeholders to develop subwatershed-based implementation programs for main stem Nine Mile Creek (downstream of Normandale Lake).	5.2.3.1.C.	M	Lead							\$50,000				\$50,000
S-23	Identify and target priority chloride sources to Nine Mile Creek.	5.2.4.1.A.	H	Lead		\$20,000									\$20,000
S-24	Investigate primary causes of low dissolved oxygen throughout Nine Mile Creek and develop potential remedial measures.	5.2.4.2.A.	H	Lead					\$20,000						\$20,000
S-25	Conduct periodic inspections of Nine Mile Creek to identify and target areas prone to erosion.	5.2.4.3.A.	H	Lead		\$20,000		\$20,000		\$20,000		\$20,000		\$20,000	\$100,000
S-26	Prepare a District wetland inventory that identifies high-value wetlands within the watershed, rare and high-quality wetland biological communities, and identifies opportunities for restoration and/or protection.	5.4.2.1.A, 5.4.2.1.B, 5.4.2.1.C., 5.4.2.1.E., 5.4.2.1.D.	H	Lead			\$50,000				\$50,000	\$50,000			\$150,000
S-27	Develop restoration and/or protection plans to address high-quality wetlands areas, sensitive habitats and plant species, and rare, endangered, and threatened plants and animals within watershed.	5.4.2.1.D.	H	Lead				\$20,000	\$20,000	\$20,000	\$20,000	\$20,000			\$100,000