

Entries Submitted Feb 2016 to Hennepin County All Hazard Multi-Jurisdiction Mitigation Plan

BASSETT CREEK WATERSHED

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A. Bassett Creek Watershed Objectives and Actions

Goal Number 1	Minimize loss of life, injury, and damage to property, the economy, and the environment from natural and man-made hazards	
OBJECTIVES		ACTIONS
1A: Improve BCWMC Flood Control Project Structures to minimize property damage from flooding	1A1: Prevent flooding by rehabilitating Bassett Creek Tunnel, 2 nd Street section (Phase I)	
	1A2: Prevent flooding by rehabilitating Bassett Creek Tunnel, 3 rd Avenue section (Phase II)	
	1A3: Prevent flooding by rehabilitating Bassett Creek Tunnel, Double Box conduit (Phase III)	
	1A4: Prevent flooding by rehabilitating Flood Control Project structures in Golden Valley, Crystal, and Plymouth	
Goal Number 2	Increase education, outreach, and awareness	
OBJECTIVES		ACTIONS
Goal Number 3	Protect natural and cultural resources	
OBJECTIVES (projects)		ACTIONS
3A: Stabilize and restore streambanks to minimize erosion and improve conditions	3A1: Prevent erosion along Bassett Creek in Minneapolis with bank stabilization techniques including vegetation, sloping and grading, rock veins, stone toe, root wads, and rip rap (CR2017-M)	
	3A2: Stabilize banks and improve habitat along Plymouth Creek in Plymouth with bank stabilization techniques including vegetation, sloping and grading, rock veins, stone toe, root wads, and rip rap (CR2017-P)	
3B: Improve water quality through stormwater management	3B1: Construct water quality improvement project in Theodore Wirth Park to treat untreated stormwater runoff (BC-3)	
	3B2: Construct water quality improvement project at Sandburg Rd. and Louisiana Ave. to reduce phosphorus loading and flooding potential (BC-2/BC-8)	
	3B3: Construct water quality improvement project in or near Bryn Mawr Meadows (BC-5)	
	3B4: Construct water quality improvement project in or near Medley Park (ML-12)	
3C: Restore wetland functions and values	3C1: Evaluate wetlands throughout watershed	
	3C2: Prioritize and plan for wetland restoration projects	

	3C3: Restore wetlands or create new wetlands

Goal Number 4	Identify areas of greatest impact from hazards
OBJECTIVES	ACTIONS

Goal Number 5	Enhance hazard mitigation coordination and communication with federal, state and local governments.
OBJECTIVES	ACTIONS

Goal Number 6	Promote disaster-resistant future development
OBJECTIVES	ACTIONS

Goal Number 7	Build and support local capacity and commitment to become less vulnerable to hazards
OBJECTIVES	ACTIONS

B. Bassett Creek Watershed Mitigation Actions

Mitigation Actions	Estimated Cost	Priority	Timeline
1A1: Prevent flooding by rehabilitating Bassett Creek Tunnel, 2 nd Street section (Phase I)	\$5,000,000	1	2029
1A2: Prevent flooding by rehabilitating Bassett Creek Tunnel, 3 rd Avenue section (Phase II)	\$1,700,000	1	2040
1A3: Prevent flooding by rehabilitating Bassett Creek Tunnel, Double Box conduit (Phase III)	\$6,000,000	1	2027
1A4: Prevent flooding by rehabilitating Flood Control Project structures in Golden Valley, Crystal, and Plymouth	\$3,100,000	1	2025
3A1: Prevent erosion along Bassett Creek in Minneapolis with bank stabilization techniques including vegetation, sloping and grading, rock veins, stone toe, root wads, and rip rap (CR2017-M)	\$800,000	2	2017
3A2: Stabilize banks and improve habitat along Plymouth Creek in Plymouth with bank stabilization techniques including vegetation, sloping and grading, rock veins, stone toe, root wads, and rip rap (CR2017-P)	\$600,000	2	2017
3B1: Construct water quality improvement project in Theodore Wirth Park to treat untreated stormwater runoff (BC-3)	\$1,100,000	2	2018
3B2: Construct water quality improvement project at Sandburg Rd. and Louisiana Ave. to reduce phosphorus loading and flooding potential (BC-2/BC-8)	\$500,000	2	2019

3B3: Construct water quality improvement project in or near Bryn Mawr Meadows (BC-5)	\$500,000	2	2019
3B4: Construct water quality improvement project in or near Medley Park (ML-12)	\$500,000	2	2020
3C1: Evaluate wetlands throughout watershed	\$50,000	3	2018
3C2: Prioritize and plan for wetland restoration projects	\$50,000	3	2019
3C3: Restore wetlands or create new wetlands	\$500,000	3	2020

C. Bassett Creek Mitigation Strategies

Priority	Goal	Objective	Action Name	Description	Project Cost	Responsible Agency	Timeline
1	1	1A	1A1	Fill voids in tunnel, perform partial structure demolition and replacement, as needed	\$5,000,000	BCWMC + City of MPLS	Long
1	1	1A	1A2	Fill voids in tunnel, perform partial structure demolition and replacement, as needed	\$1,700,000	BCWMC + City of MPLS	Long
1	1	1A	1A3	Fill voids in tunnel, perform partial structure demolition and replacement, as needed	\$6,000,000	BCWMC + City of MPLS	Long
1	1	1A	1A4	Perform partial structure demolition and replacement, as needed	\$3,100,000	BCWMC + City of MPLS	Long
2	3	3A	3A1	Stabilize eroding streambanks using hard armoring and bioengineering	\$800,000	BCWMC + City of MPLS	Medium
2	3	3A	3A2	Stabilize eroding streambanks and improve riparian habitat using bioengineering	\$600,000	BCWMC + City of Plymouth	Medium
2	3	3B	3B1	Construct storm water pond or other water quality improvement project	\$1,100,000	BCWMC + City of Golden Valley	Medium
2	3	3B	3B2	Construct storm water pond or other structure to reduce flooding risk to homes and improve water quality	\$500,000	BCWMC + City of Golden Valley	Medium
2	3	3B	3B3	Construct storm water pond or other structure to treat runoff and provide storage	\$500,000	BCWMC + City of MPLS	Medium
2	3	3B	3B4	Construct storm water pond or other structure to treat runoff and provide storage	\$500,000	BCWMC + City of Golden Valley	Medium
3	3	3C	3C1	Use MN Rapid Assessment Method to inventory and	\$50,000	BCWMC	Medium

				evaluate the functions and values of wetlands throughout the watershed			
3	3	3C	3C2	Prioritize wetland restoration projects based on assessments	\$50,000	BCWMC	Short
3	3	3C	3C3	Use prioritization to restore critical wetlands or create new wetlands in key locations to prevent flooding and improve water quality	\$500,000	BCWMC	Long