



STORMWATER MANAGEMENT COMMISSION

FY2025 STAFF RECOMMENDED PROJECTS

WATERSHED MANAGEMENT BOARD (WMB) COST-SHARE PROGRAM

WMB/WMAG: \$189,610 available for FY25; 10 projects recommended, with a total grant value of \$189,150.

WATERSHED MANAGEMENT ASSISTANCE GRANT (WMAG)

The WMAG supports the growth and sustainability (i.e., organizational capacity) of local watershed partnerships in Lake County. For this program, a "watershed partnership" is defined as an inclusive, enduring, diverse, community-based group organized to identify and resolve watershed problems and issues. The work carried out by each grant recipient targets and fulfills the above purpose. There is no local match requirement for WMAG.

Diamond Lake Lake Management Plan (Mundelein Park District)

\$12,000 WMAG Grant Recommendation
\$35,100 Estimated Project Cost

The proposed project would create a five-year lake management plan for Diamond Lake. The management plan would address aquatic invasive vegetation and water quality impairments. The plan would also include a monitoring component. Outreach efforts to homeowners' associations, private lakefront owners, lakefront businesses, and Village of Mundelein residents to create a shared vision for Diamond Lake would support the growth of watershed partnerships for Diamond Lake. Identification of lake management actions that can be implemented within the Mundelein Park District's budget would support the sustainability of the local watershed partnership. The Mundelein Park District's commitment to drive implementation of priority projects identified in the plan would further strengthen the watershed partnership. The WMB and SMC staff **RECOMMEND** this project for **WMAG** funding.

WATERSHED MANAGEMENT BOARD (WMB) GRANT

The WMB helps fund local drainage improvement, flood reduction, and water quality projects. Project applications are assessed and prioritized based on nine benefit criteria: inter-jurisdictional, flood hazard reduction, structural damage, water quality, natural resources, nuisance flood reduction, multiple use, outside funding utilization, and phosphorous public education component. The WMB is a cost-share program and requires at least 50 percent local match.

DES PLAINES RIVER WATERSHED

Bordeaux Wetland Restoration and Drainage Improvements (Village of Buffalo Grove)

\$64,910 WMB Grant Recommendation
\$1,958,000 Estimated Project Cost

The proposed project would restore an 11-acre wetland utilizing a scalable mix of BMPs, invasive species removal, 2,100 linear feet of streambank stabilization, and multiuse trail improvements. The proposed work would improve drainage in Aptakisic Creek, reduce flooding of a multiuse trail, and reduce further damage of an adjacent elementary school parking lot. The WMB and SMC staff **RECOMMEND** this project for **WMB** funding.

Engineering & Analysis to Restore Original Hydrology at Two Forest Preserve Sites (Lake County Forest Preserve District)

\$8,000 WMB Grant Recommendation
\$78,907 Estimated Project Cost

The proposed project would perform engineering and analysis for detailed restoration plans at two LCFPD sites. Engineering and analysis would include plans to remove/abandon drain tile systems; reconfigure, enhance, and stabilize overland flow paths; maintain and improve critical drainage systems to protect on and off-site concerns; and reconfigure drainage systems and overland flow paths to maintain conveyance. The proposed project would provide LCFPD staff sufficient information to perform the hydraulic restoration at the Old School and Wadsworth Savanna Forest preserves. The WMB and SMC staff **RECOMMEND** this project for **WMB** funding.

N Grandwood Drive Drainage Improvements (Warren Township Highway Department)

\$352,500 WMB Grant Requested
\$705,000 Estimated Project Cost

The proposed project would replace, upsize, and construct new storm sewers along N. Grandwood Drive and adjacent properties. The proposed project would reduce roadway flooding at two township roads and a large undeveloped property. The proposed project would also reduce flooding impacts on roadway access to over 100 residential properties. The WMB and SMC staff **DO NOT RECOMMEND** this project for **WMB** funding. This project was forwarded to the SMC Executive Director for consideration for Stormwater Infrastructure Repair Fund (SIRF) funding.

Retention Pond Cleanup and Restoration (North Libertyville Estates HOA)

\$4,000 WMB Grant and 50 hours of SMC staff in-kind hours Requested
\$8,000 Estimated Project Cost

This project application was incomplete. The project was not evaluated for WMB funding. The WMB and SMC staff **DO NOT RECOMMEND** this project for **WMB** funding.

NORTH BRANCH CHICAGO RIVER WATERSHED

Bradley Road Subdivision Stormwater Improvements – Phase I (Bradley Road Industrial Park Unit I and Unit II Property Owners Association)

\$36,456 WMB Grant Requested
\$394,335 Estimated Project Cost

The proposed scope involves upsizing a relief sewer to the Bradley Road subdivision detention pond from the surrounding commercial properties and installing an upsized 42" storm sewer at the north end of the detention pond. The proposed project will intercept a trunkline storm sewer at the south end of the pond to redirect stormwater to the pond to reduce short-circuiting within the detention pond. SMC staff **DOES NOT RECOMMEND** this project for **WMB** funding. This project was forwarded to the SMC Executive Director for consideration for Stormwater Infrastructure Repair Fund (SIRF) funding.

Middle Fork Stormwater Conveyance Project (Lake Forest Open Lands Association)

\$36,460 WMB Grant Recommendation

The proposed scope includes removing a failed and traditional gray infrastructure connection for stormwater within the West Skokie River Nature Preserve to the Middle Fork. A 20-foot-wide fluvial stone spillway and swale is proposed to take the

\$588,000 Estimated Project Cost

place of the failed stormwater pipe. The proposed project will include a 10-foot native plant buffer around the pond with approximately 0.84 acres of wetland native plant mix to mimic natural hydrologic processes. The reseeding and reestablishment of the pond (wetland) can hold and control stormwater before existing over the spillway into the Middle Fork. SMC staff **RECOMMENDS** this project for **WMB** funding.

**West Fork Stormwater Stream
Maintenance Project
(Village of Lincolnshire)**

\$25,000 WMB Grant Requested

\$50,000 Estimated Project Cost

The proposed scope includes removing approximately 6.5 acres of invasive species (primarily buckthorn) and seeding the 6.5 acres of ground layer with native seed mix. In addition to the native species restoration, significant log jams and debris within the West Fork channel will be removed in a manner with minimal impact to the natural features of the Florsheim Nature Preserve. SMC staff **DOES NOT RECOMMEND** this project for **WMB** funding.

FOX RIVER WATERSHED

**Engineering & Analysis to Restore Original
Hydrology at Grassy Lake Forest Preserve
Project (Lake County Forest Preserve District)**

\$4,000 WMB Grant Recommendation

\$21,093.33 Estimated Project Cost

The proposed project would perform engineering and analysis for detailed restoration plans at the Grassy Lake Forest Preserve. Engineering and analysis would include plans to remove and abandon drain tile systems; reconfigure, enhance, and stabilize overland flow paths; maintain and improve critical drainage systems to protect on and off-site concerns; and reconfigure drainage systems and overland flow paths to maintain conveyance. This would provide forest preserve staff sufficient information to perform the hydraulic restoration at the Grassy Lake Forest Preserve. The WMB and SMC staff **RECOMMEND** this project for **WMB** funding.

**Petite Lake Drainageway Sediment and
Erosion Control Phase 1 Project (Lake Villa
Township)**

\$31,000 WMB Grant Recommendation

\$62,000 Estimated Project Cost

The proposed project is the first phase of a larger plan. The proposed scope of work includes installation of a native plant swale in the Petite Lake Park drainageway and seawall maintenance. The swale would extend from the mouth of a ravine to the outlet to Petite Lake. The proposed swale would have a total width of 12 feet, base width of 6 feet, and a depth of approximately 1 to 2 feet. The proposed project has substantial interjurisdictional, water quality, natural resource, and multiple use benefits. The WMB and SMC staff **RECOMMEND** this project for **WMB** funding.

**Wauconda Shopping Plaza Water Quality &
Flooding Improvements Project (Village of
Wauconda)**

The proposed project would address flooding issues associated with an existing shopping center built pre-1961 by creating a native vegetated buffer/swale between the shopping center

\$40,000 WMB Grant Requested
 \$100,600 Estimated Project Cost

parking lot and the neighboring residents. The proposed scope of work includes extending a barrier curb to collect additional tributary area and direct the flow to the vegetated buffer/swale, excavating and installing porous substrate, as well as installing a new storm manhole with an elevated rim, a downstream weir, and a native plant seed mixture. The WMB and SMC staff **DO NOT RECOMMEND** this project for **WMB** funding.

**Hartnett Park Natural Shoreline Project
 (Highland Lake Property Owners'
 Association)**

\$5,000 WMB Grant Recommendation
 \$10,000 Estimated Project Cost

A section of Hartnett Park's shoreline was recently repaired with rip rap through a FY24 WMB Grant, and the Highland Lake community is seeking to rehabilitate the remainder of the shoreline with native plantings. It is proposed that the project be accomplished in three stages: clearing of vegetative overgrowth by community volunteers, contracting the removal of large nuisance trees at the shoreline, and contracting for approximately 125 feet of native shoreline work. The proposed project has substantial water quality, natural resource, and multiple use benefits. The WMB and SMC staff **RECOMMEND** this project for **WMB** funding.

**Belvidere Road Culvert Maintenance Project
 (Manitou Creek Drainage District)**

\$29,000 WMB Grant Requested
 \$43,500 Estimated Project Cost

The proposed project would perform maintenance of a culvert located under Route 120 in Round Lake Park. Property owners immediately upstream have reported flooding situations in the past few years. The proposed scope of work includes tree removal for 75 yards on the east embankment for an excavator, sediment and debris removal on the upstream side of the culvert using a long reach excavator, debris hauling, and bank repair. The WMB and SMC staff **DO NOT RECOMMEND** this project for **WMB** funding.

**Stanton Point Rd & Boesch Pl Stormwater
 Improvements Project (Grant Township
 Highway Department)**

\$36,456 WMB Grant Requested
 \$234,764 Estimated Project Cost

The proposed project would address a flooding issue at the intersection of Stanton Point Rd and Boesch Pl and adjacent yards that is occurring due to a crushed storm sewer and sedimentation filling in the roadside ditches. The proposed scope of work includes re-grading the roadside ditches and installing a new storm sewer system. The new infrastructure would include 12-inch and 15-inch PVC pipes, catch basins, and manholes. The WMB and SMC staff **DO NOT RECOMMEND** this project for **WMB** funding.

LAKE MICHIGAN WATERSHED

**Bevier Park Shoreline Stabilization & Native
 Plantings Project**

(Waukegan Park District)
 \$27,780 WMB Grant Recommendation
 \$202,500 Estimated Project Cost

The proposed project scope of work e includes 1,487 linear feet of stone toe shoreline stabilization and approximately 4,461 square feet of native plantings on the existing pond at Bevier Park which is hydrologically connected to the Waukegan River

and Lake Michigan. This project would reduce the amount of active shoreline erosion and improve water quality in the pond and downstream areas. SMC staff **RECOMMENDS** this project for **WMB** funding.

FISCAL YEAR 2025						
WMAG/WMB APPLICATION SUMMARY & RECOMMENDATIONS						
WATERSHED MANAGEMENT ASSISTANCE (\$12,000 Available)						
Project	Applicant	Score	Total Project Cost	Requested Amount	Funds Available	SMC Staff Recommended Funding
Diamond Lake Lake Management Plan	Mundelein Park and Recreation District	445	\$35,100	\$12,000		\$12,000
			WMAG TOTAL	\$35,100	\$12,000	\$12,000
					\$12,000	\$12,000
DES PLAINES RIVER (\$72,910 available)						
Bordeaux Wetland Restoration & Drainage Improvements	Village of Buffalo Grove	370	\$1,958,000	\$70,000		\$64,910
Engineering & Analysis to Restore Original Hydrology at Two Preserve Sites	Lake County Forest Preserve District	330	\$78,907	\$8,000		\$8,000
N Grandwood Drive Drainage Improvements	Warren Township Highway Department	315	\$705,000	\$352,500		SIRF Recommended
Retention Pond Cleanup and Restoration	North Libertyville Estates Homeowners' Association		\$8,000	\$4,000		
			DES PLAINES RIVER WATERSHED TOTAL	\$2,789,360	\$434,500	\$72,910
					\$72,910	\$72,910
NORTH BRANCH CHICAGO RIVER (\$36,460 available)						
Bradley Road Subdivision Stormwater Improvements - Phase 1	Bradley Road Industrial Park Unit I and Unit II Property Owners Association	325	\$394,335	\$36,456		SIRF Recommended
Middle Fork Stormwater Conveyance Project	Lake Forest Open Lands Association	290	\$588,000	\$36,000		\$36,460
West Fork Stream Maintenance Project	Village of Lincolnshire	250	\$50,000	\$25,000		Maintenance Program Recommended
			NORTH BRANCH CHICAGO RIVER TOTAL	\$1,032,335	\$97,456	\$36,460
					\$36,460	\$36,460
FOX RIVER (\$36,460 available)						
Engineering & Analysis to Restore Original Hydrology at Grassy Lake Forest Preserve	Lake County Forest Preserve District	330	\$39,453	\$4,000		\$4,000
Petite Lake Drainageway Sediment and Erosion Control - Phase 1	Lake Villa Township	310	\$62,000	\$31,000		\$31,000
Wauconda Plaza Water Quality & Flood Mitigation Project	Village of Wauconda	280	\$100,600	\$40,000		
Hartnett Park Natural Shoreline Project	Highland Lake Property Owners' Association	215	\$10,000	\$5,000		\$5,000
Belvidere Road Culvert Maintenance	Manitou Creek Drainage District	185	\$43,500	\$29,000		Maintenance Program Recommended
Stanton Point Rd & Boesch Pl Stormwater Improvements	Grant Township Highway Department	185	\$234,764	\$36,456		
			FOX RIVER WATERSHED TOTAL	\$471,957	\$145,456	\$36,460
					<i>Use of Contingency Funds</i>	\$3,540
					\$40,000	\$ 40,000
LAKE MICHIGAN (\$27,780 available)						
Bevier Park Shoreline Stabilization and Native Plantings Project	Waukegan Park District	210	\$202,500	\$27,780		\$27,780
			LAKE MICHIGAN WATERSHED TOTAL	\$202,500	\$27,780	\$27,780
					\$27,780	\$27,780
FY2025 TOTAL WMB (\$189,610 AVAILABLE)	<i>\$4,000 Contingency Funds Included</i>	GRAND TOTAL	15	\$4,307,659	\$717,192	\$189,610
						\$189,150