



MEMORANDUM

To: Watershed Management Board Members

From: Kurt Woolford, Executive Director

RE: ***December 7, 2022, WMB Meeting 6:00 P.M.***

Date: November 30, 2022

The Lake County Watershed Management Board (WMB) will meet at 6:00 P.M. December 7, 2022, at the Central Permit Facility Building, 2nd Floor, 500 W. Winchester Road, Libertyville, Illinois.

The primary purpose of this annual WMB meeting is to evaluate and recommend WMB project funding for 2023. Project recommendations will be forwarded to the Stormwater Management Commission (SMC) for approval in January of 2023. *Please review the attached project proposal summaries and staff recommendations in this packet prior to the meeting.* Application summaries are included, and the full applications are available upon request. SMC staff will present the projects at the meeting. Project applicants are welcome to provide additional information as desired. Staff also will provide a brief update on the status of this year's projects at the meeting.

BOARD* ATTENDANCE: In-person attendance is required for voting members. WMB members who are unable to attend in person should delegate an alternate by submitting a delegate form (enclosed) prior to the meeting. You can reach Dijana Silber at 847-377-7705 if you have questions. Delegate forms may be submitted by e-mail to dsilber@lakecountyil.gov.

***YOU ARE A WATERSHED MANAGEMENT BOARD MEMBER IF YOU ARE:**

- ✓ THE CHIEF ELECTED OFFICIAL OF ANY LAKE COUNTY MUNICIPALITY,
- ✓ A LAKE COUNTY TOWNSHIP SUPERVISOR,
- ✓ THE PRESIDENT OF AN ACTIVE LAKE COUNTY DRAINAGE DISTRICT,
- ✓ A LAKE COUNTY BOARD MEMBER, or
- ✓ A DELEGATE OF ONE OF THE ABOVE (see delegate form enclosed)

PUBLIC ATTENDANCE: There are two options for the public to attend the meeting: (1) in-person attendance on the 2nd floor Central Permit Facility building at 500 W. Winchester Road, Libertyville, Illinois, or (2) remote / virtual attendance through the link:

[Click to Register for ZOOM Meeting](#)

After registering, you will receive a confirmation email containing information about joining the meeting.

We welcome and encourage public comments in person or via email. Emails can be sent to stormwater@lakecountyl.gov. We will read public comments received by noon on December 7th, 2022, after the SMC staff evaluations and recommendations.

PUBLIC COMMENT NOTE: Public comments are limited to three (3) minutes each pursuant to the Stormwater Management Commission-adopted Rule Governing Public Comment. All comments received will be included in the Watershed Management Board's meeting minutes regardless of whether they are read aloud at the meeting.

RECORDING: This meeting, including Public Comment, will be recorded.



WATERSHED MANAGEMENT BOARD ANNUAL MEETING

December 7, 2022
6:00 PM

[Lake County Central Permit Facility, 2nd Floor Conference Room](#)

MEETING AGENDA

1.0 CALL TO ORDER

Changes/Additions to Agenda

2.0 ELECT CHAIRMAN PRO-TEM

Pledge of Allegiance

Self-introductions of all meeting attendees and identification of voting members

3.0 APPROVAL OF MINUTES - December 1, 2021

4.0 STAFF REPORTS/ PROJECT STATUS UPDATES

FY2022 WMB Projects

FY2023 Budget Reduction

Policy discussion regarding potential bonus credit for use of local recycled materials

5.0 OLD BUSINESS

6.0 NEW BUSINESS

FY2023 WMB project proposals, with SMC staff evaluation and recommendations

Public comment and information

WMB Project recommendations to the Stormwater Management Commission

7.0 ADJOURNMENT



STORMWATER MANAGEMENT COMMISSION

**WATERSHED MANAGEMENT BOARD
REPRESENTATIVE APPOINTMENT FORM**

DES PLAINES RIVER, FOX RIVER, LAKE MICHIGAN & NORTH BRANCH CHICAGO RIVER

Name of Chief Elected Officer: _____

Representing: _____
(City, village, township, active drainage district)

Watershed(s): _____

Appointed Delegate: _____

Address: _____

Phone: _____

FAX: _____

e-mail: _____

The above named shall be my representative on the Watershed Management Board(s) in my absence and may vote on my behalf during my term of office, or until otherwise notified.

(Signature of Chief Elected Officer)

(Date)



STORMWATER MANAGEMENT COMMISSION

WMB PROJECT STATUS SUMMARY

WATERSHED	WMAG PROJECTS	PROJECT STATUS-COMPLETION DATE
WATERSHED	WMB PROJECTS	PROJECT STATUS-COMPLETION DATE
	FY22 Island Lake's Lake Management Plan	Completed in 2022
Des Plaines River	FY17 Dady & Decker HOA Shoreline Protection Project	Target Completion in 2023
	FY21 Forest Lane Drainage Improvements	Completed in 2022
	FY21 Bull Creek Drainage Improvements	Completed in 2022
	FY21 Village Green/North Hills Stormwater Mitigation	Completed in 2022
	FY21 Druce Lake Peninsula Shoreline Restoration	Completed in 2022
	FY22 Willow and Harding Flood Reduction	Completed in 2022
	FY22 Thornberry Village Estates Storm Sewer Replacement	Target Completion in 2023
North Branch Chicago River	FY21 Queens Way Drainage Improvements	Completed in 2022
	FY22 Talbot Avenue Drainage Improvements	Target Completion in 2023
	FY22 Surrey Lane Drainage Improvements	Completed in 2022
	FY22 Bradley Road Drainage Lambs Lane Storm Sewer Outlet	Target Completion in 2023
Fox River	FY19 Duck Lake Channel & Shoreline Restoration Project	Withdrawn in 2022
	FY20 Timber Lake Bioswales & Rock Checks Phase II	Completed 2022
	FY21 Bangs Lake Drain Streambank Stabilization	Completed in 2022
	FY22 Manitou Creek Beaver Conflict Management	Target Completion in 2023
	FY22 Ridge Avenue & Pleasant View Drainage Improvements	Target Completion in 2023
Lake Michigan	FY20 Rosemary Road Ravine Project Design	Target Completion 2022
	FY22 Rockefeller/McCormick/Loch Ravine Project Design	Target Completion in 2023
	FY22 Detention Basin Drainage Improvement and Restoration	Target Completion in 2023

FISCAL YEAR 2023
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
Steward of the Lakes Program	Loon Lakes Management Association	365	\$20,935	\$12,000		\$12,000
			WMAG TOTAL	\$20,935	\$12,000	\$12,000

DES PLAINES RIVER (\$47,460 available)

Almond Road to Shawnee Avenue Drainage Improvement Project	Pinewood Creek Trail HOA	310	\$15,000	\$7,500		\$7,500
Mariner's Cove Stormwater Retention Pond Shoreline Restoration Project	Mariner's Cove Community Association	298	\$96,000	\$38,400		\$39,960
Lake Eleanora Drainage Improvements Project	Lake Eleanora HOA	268	\$192,950	\$50,000		Potential SIRF
Lakeridge Restoration Association Buffer Reset Project	Lakeridge Restoration Association	256	\$24,900	\$11,700		\$0
North Libertyville Estates Pond Project	North Libertyville Estates Community Association	165	\$100,000	\$80,000		\$0
			DES PLAINES RIVER WATERSHED TOTAL	\$428,850	\$187,600	\$47,460
					TOTAL DES PLAINES WATERSHED FUNDING	\$47,460

NORTH BRANCH CHICAGO RIVER (\$23,730 available)

Foster Ave Stormwater Drainage and Flood Mitigation Project	Shields Township	272	\$50,000	\$23,730		\$23,730
Big Pond Restoration Project	Arbor Ridge HOA	183	\$80,000	\$20,000		\$0
			NORTH BRANCH CHICAGO RIVER TOTAL	\$130,000		\$23,730
					TOTAL NORTH BRANCH WATERSHED FUNDING	\$23,730

FOX RIVER (\$23,730 available)

Channel Park Buffer Installation Project	Village of Island Lake	286	\$20,600	\$8,802.50		\$8,803
Marine Drive Shoreline Improvement Project	Grant Township Highway Department	278	\$46,460	\$23,230		\$18,861
Manitou Ck Beaver Conflict Management & Stream Maintenance Project	Manitou Creek Drainage District	276	\$38,857.25	\$16,215		\$0
Loon Lakes Management Association Natural Resources Project	Loon Lakes Management Association	260	\$140,000	\$18,000		\$18,000
Grand Dominion Clemson Leveler Project	Grand Dominion by Del Webb	231	\$20,420	\$9,910		\$9,910
Lake Napa Suwe Improvement Project	Lake Napa Suwe Association	223	\$19,000	\$9,350		\$0
Jackson Ave Bioswale & Spillway Improvements Project	Village of Wauconda	158	\$103,025	\$40,000		Potential SIRF
			FOX RIVER WATERSHED TOTAL	\$388,362.25	\$125,508	\$23,730
					<i>Unused funds from FY19 Fox River</i>	<i>\$31,844</i>
					TOTAL FOX RIVER WATERSHED FUNDING	\$55,574

LAKE MICHIGAN (\$18,080 available)

Tanglewood Oaks Feasibility Study for Drainage Improvements	Stormwater Management Commission	270	\$36,160	\$18,080		\$18,080
			LAKE MICHIGAN WATERSHED TOTAL	\$36,160	\$18,080	\$18,080
					TOTAL LAKE MICHIGAN WATERSHED FUNDING	\$18,080

FY2023 TOTAL WMB (\$129,000 + \$31,844 AVAILABLE) \$4,000 Contingency Funds Included	GRAND TOTAL	16	\$1,004,307	\$386,918	\$129,000	\$156,844
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STORMWATER MANAGEMENT COMMISSION

**WATERSHED MANAGEMENT BOARD
ANNUAL MEETING
MINUTES**

December 1, 2021

1.0 CALL TO ORDER

The meeting was called to order by Sharon Østerby at 6:09 p.m.

2.0 ELECTION OF A CHAIRMAN PRO-TEM

Sharon Østerby asked for the voting WMB Members to identify themselves. Juli Crane called on attendees to introduce themselves and identify whether they are voting WMB members.

Present: Delegate Dodd (for Member Vealitzek), Member Maine, Member Sode, Member Wysocki, Member O'Conner, and Member O'Kelly

Sharon Østerby then asked for nominations for the Chairman Pro-Tem to conduct the meeting; Kathleen O'Conner was nominated as Chairman Pro-Tem. A motion was made by Member Sode, seconded by Member Wysocki to nominate Kathleen O'Conner as Chairman Pro Tem. The motion passed by roll call vote.

Aye: Delegate Dodd, Member Maine, Member Sode, Member Wysocki

Chair Pro Tem O'Conner led the Pledge of Allegiance.

The procedures for the meeting, including adjustments made due to the COVID-19 pandemic, were explained by Kelcey Traynoff.

3.0 APPROVAL OF THE MINUTES - DECEMBER 2, 2020

Chair Pro Tem O'Conner asked if there were any corrections, comments, or changes to the minutes. Hearing none, she asked for a motion to approve the minutes of the December 2nd, 2020, meeting. A motion was made by Member Sode and seconded by Member Maine to approve the minutes as presented. The motion passed by roll call vote.

Aye: Delegate Dodd, Member Maine, Member Sode, Member Wysocki

4.0 STAFF REPORTS/PROJECT STATUS UPDATE

Sharon Østerby gave a summary of ongoing and completed WMB projects. Sharon announced the Lake County Board approved the FY2022 budget and the allocation for the annual WMB and SIRF funding was \$189,610, which was down from the FY2021 funding amount of \$196,400.

5.0 OLD BUSINESS

There was no old business to report.

6.0 NEW BUSINESS

Sharon Østerby explained the format for the SMC Project Managers that includes a Story Map to introduce the submitted projects and recommendations for funding to the attendees. Michelle Pope also shared a DRAFT map showing the history of WMB and SIRF projects. The map is expected to be available for the public to use next year. Sharon Østerby explained that public comment will be opened when the SMC Staff presentations are complete.

WATERSHED MANAGEMENT ASSISTANCE GRANT

Michelle Pope presented the WMAG application received.

1. Island Lake, Lake Management Plan (recommended)

DES PLAINES RIVER WATERSHED

Juli Crane presented the two project applications received for the Des Plaines Watershed.

1. Harding & Willow Flood Reduction Project (recommended)
2. Thornberry Village Estates Storm Sewer Replacement Project (recommended)

NORTH BRANCH OF THE CHICAGO RIVER WATERSHED

Ashley Strelcheck presented the five project applications received for the North Branch of the Chicago River Watershed.

1. Deerfield High School Storm Sewer Replacement (recommended for SIRF funding)
2. Talbot Avenue Drainage Improvements (recommended for WMB & SIRF funding)
3. Surrey Lane Drainage Improvements (recommended)
4. Bradley Road Drainage Lambs Lane Storm Sewer Outlet (recommended)
5. Repair and Upgrade of Detention Basin A (not recommended)

FOX RIVER WATERSHED

Michelle Pope presented the two project applications received for the Fox River Watershed.

1. Squaw Creek Beaver Conflict Management (recommended)
2. Ridge Avenue & Pleasant View Drainage Improvements (recommended)

LAKE MICHIGAN WATERSHED

Kelcey Traynoff presented the two project applications received for the Lake Michigan Watershed.

1. Rockefeller/McCormick/Loch Ravine Project Design (recommended)
2. Shepherd's Crossing Detention Basin Improvement and Restoration (recommended)

FY2022 WMB PROJECT COMMENTS AND QUESTIONS

Chair Pro Tem O'Connor stated that there were no public comments submitted in advance of this meeting and opened the floor for public comments and/or questions. Rob Bryson asked if the WMB would consider funding smaller projects in the future. This would encourage property owners to implement projects on private property, such as rain gardens, to address stormwater runoff and nutrient reduction. Sharon Østerby and Ashley Strelcheck explained that taxpayers fund the WMB Program, and these public funds cannot be used for improvements that benefit individual property. Member Maine also added that spending public dollars on private property has challenges with long term maintenance. Additionally, projects that benefit smaller areas are generally not as cost effective and do not score as well as those that benefit larger areas. Applicants are encouraged to talk with WMB project managers about potential projects.

Daniel Hoffman from Hunt Club Farms asked to speak with WMB/SMC about his flooding concerns. Sharon Østerby offered to follow up with Mr. Hoffman after the meeting to discuss the matter further.

FY2022 WMB FUNDING RECOMMENDATION APPROVALS

Chair Pro Tem O'Connor asked for a motion to approve the staff recommended projects and funding levels. A motion was made by Member Sode and seconded by Member Maine, to accept the staff recommended projects and funding levels. The motion passed by roll call vote:

Aye: *Delegate Dodd, Member Maine, Member Sode, Member Wysocki, Member O'Kelly.*

The FY22 WMB Project recommendations will be recommended to the Stormwater Management Commission at the January 2022 meeting.

7.0 ADJOURNMENT

Chair Pro Tem O'Connor asked if there were any comments, questions, or reports. Hearing none, Chair Pro-Tem O'Connor asked for a motion to adjourn. A motion was made by Member Sode and seconded by Member O'Kelly to adjourn the meeting. The motion passed by roll call vote. The meeting was adjourned at 7:25 p.m.

Aye: *Delegate Dodd, Member Maine, Member Sode, Member Wysocki, Member O'Kelly*

WMB Meeting Attendees

Name	Representing
Abramson, Joey	Civil Tech
Acevedo, Eric	Village of Island Lake
Bryson, Rob	
Charland, Gloria	SCCWA
Cooper, Jeff	Village of Libertyville, Village Engineer
Dittrich, Walter	Village of Lincolnshire, Assistant Public Works Director & Village Engineer
Dodd, Alicia	Fremont Township Highway (Delegate for Lake County Board Member Vealitzek)
Eskew, Cody	Illinois Coastal Management
Fitzgerald, James	
Frable, Erika	Village of Hawthorn Woods, Public Works Director
Grant Benjamin	SCCWA
Hannigan, Janet	Lake Napa Suwe
Hoffman III, Daniel A	Hunt Club Farms HOA, President
Maine, Ann	Lake County Board Member
Novak, Susan	Trotter Engineering, Village of Barrington Hills
O'Connor, Kathleen	Libertyville Township
O'Kelly, Diana	Fremont Township
Pagoulatos, Diane	
Perry, Geoffrey	Gewalt Hamilton Associates, Village of Lincolnshire
Pine, Stacey	Island Lake Trustee
Pribyl, Susan	SCCWA
Rickert, William	RHMG Engineers, Villages of Green Oaks & Wauconda
Seigel, Rachel	SCCWA
Sode, Jeff	Village of Wauconda
Stout, Erin	Libertyville Prairie Association
Wysocki, Bernard	Village of Green Oaks

SMC Staff	Position
Crane, Juli	SMC, Project Manager for Des Plaines River Watershed
Frank, Brian	SMC, Chief Engineer
Østerby, Sharon	SMC, WMB Program Manager
Pope, Michelle	SMC, Project Manager for Fox River Watershed & WMAG
Strelcheck, Ashley	SMC, Project Manager for North Branch Chicago River Watershed
Traynoff, Kelcey	SMC, Project Manager for Lake Michigan Watershed



LAKE COUNTY
STORMWATER MANAGEMENT COMMISSION
MEMORANDUM

November 30, 2022

To: Watershed Management Board Members
From: Michelle Pope
Re: FY2023 WMB Requests; Funding Recommendations for Watershed Management Assistance Grants

SMC received one request for Watershed Management Assistance Grant (WMAG) funding. A total of \$12,000 is available for Watershed Management Assistance Grants (WMAG) for Fiscal Year 2023. The primary purpose of the WMAG program is to support the growth and sustainability (i.e., organizational capacity) of local watershed partnerships in Lake County. For the purposes of 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 attached table, “WMB Funding Evaluation – Watershed Management Assistance Grant Requests,” provides SMC staff’s evaluation of the submitted WMAG application based on the WMB-approved prioritization criteria for WMAG requests.

The prioritization criteria are as follows:

1. **Participant Involvement**—Explanation of how stakeholders representing interests and perspectives reflective of the watershed community will be involved in developing sound approaches and lasting solutions to identified problems.
2. **Problem Identification**—Identification of one or more clearly defined watershed problems that will be addressed.
3. **Desired Results**—Identification of realistic and clear goals and objectives.
4. **Progress Measures**—Identification of a method for evaluating the immediate and long-term effects of the partnership.
5. **Outreach Efforts**—Demonstration of how the proposed actions will develop the partnership and increase its sustainability.
6. **Action Plan**—Development of a clear work plan with tasks, end results, products to be completed, and a time frame.

Below is a summary of the proposed project, describing how the application addresses the six prioritization criteria and containing staff’s recommendation to the WMB regarding the project:

1. **Steward of the Lakes Program.** An application was submitted by the Loon Lakes Management Association. The estimated project cost is \$20,935, of which \$12,000 is requested. There is no local match requirement for the WMAG. The proposed project scope includes stakeholder education on the importance of Loon Lakes within the Fox River Watershed, threatened and endangered species within the lakes, controlling aquatic invasive species and the role and proper use of herbicide treatment of non-invasive plants, identifying watershed problems, establishing measurable goals and objectives, establishing a method for evaluating immediate and long term effects of the project, proposing actions that will increase the sustainability of the partnership, and producing a clear plan describing the above tasks, end results, and products to be completed and timeframe.

WATERSHED MANAGEMENT ASSISTANCE GRANT

Project evaluation:

1. The application lists the representative watershed stakeholders that are and will be involved with the partnership.
2. The application defines invasive plants, poor water quality and water flow as watershed problems to be addressed.
3. The application identifies data collection to be used to understand various water quality conditions and to identify solutions and goals to address them.
4. The program describes tasks to be accomplished to further develop the organization's relationship with their stakeholders and members of each community which will lead to increase in the long-term sustainability of this group and watershed planning efforts.
5. The application includes a work plan describing the tasks to be completed.

SMC staff **RECOMMENDS** WMAG funding for the Steward of the Lakes project in the amount of \$12,000.

If you have any questions regarding this project, please contact Michelle Pope at mpope@lakecountyil.gov.

WATERSHED MANAGEMENT ASSISTANCE GRANT

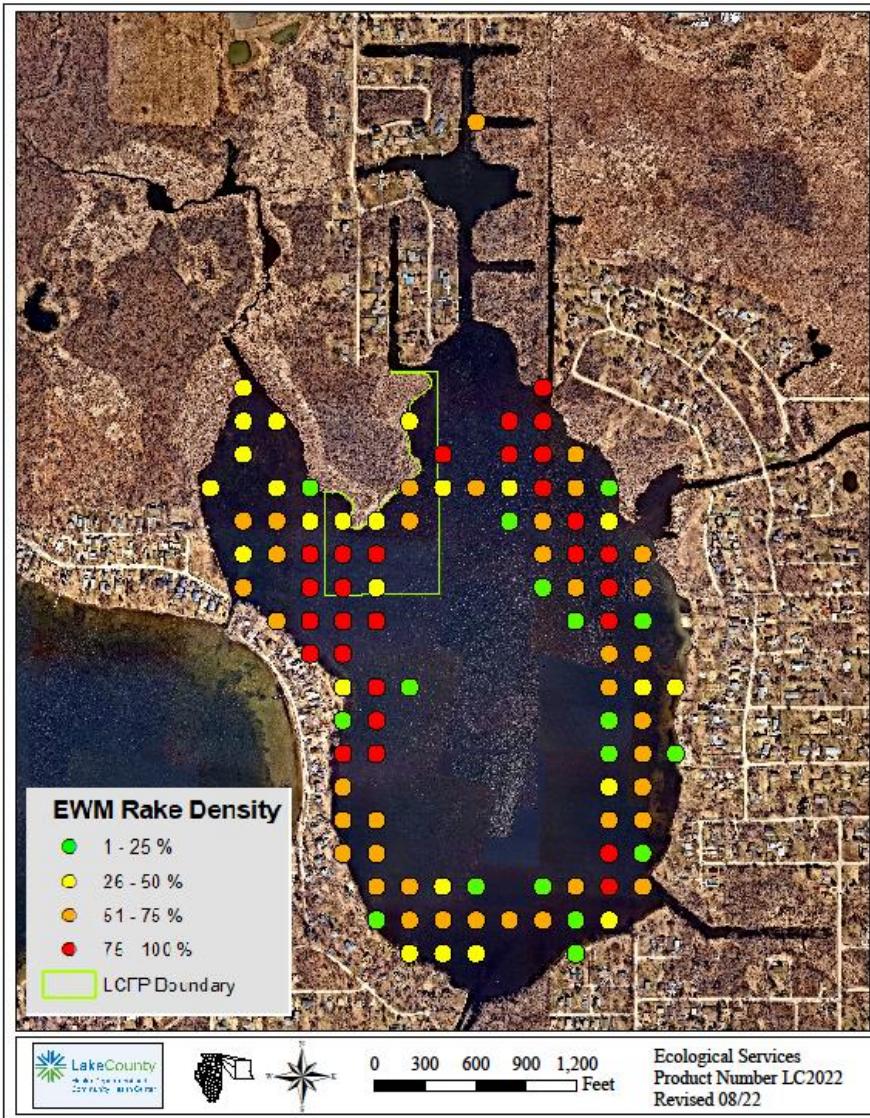
WMAG Funding Evaluation – Loon Lakes Steward of the Lakes Program

WMAG		Loon Lakes Steward of the Lakes Program		WMAG Total
Rank	Prioritization Criteria	Maximum Possible Weight	Rating	Score
1	Participant involvement	20	4	80
2	Problem identification	20	4	80
3	Desired results	15	4	60
4	Progress measures	15	3	45
5	Outreach efforts	15	3	45
6	Action plan	10	3	30
		Bonus Credit: First-time WMAG funding	5	5
		Bonus Credit: Subwatershed representation	0	0
		Bonus Credit: Local unit of government support	5	5
		Bonus Credit: Outside funding utilization	5	5
		Bonus Credit: Demonstrate partnership sustainability	5	5
		Bonus Credit: Includes restoration plan component	5	5
		Bonus Credit: Project in Environmental Justice Area	0	0
Weighted Score Total (Minimum score greater than 210 required for funding)			365	
			\$20,935	\$20,935
			669	669
			\$8,9350	\$8,935
			\$12,000	\$12,000
			0	0
		Total Available Funds for the program =	\$ 12,000	\$12,000
			\$12,000	\$12,000
			40	40

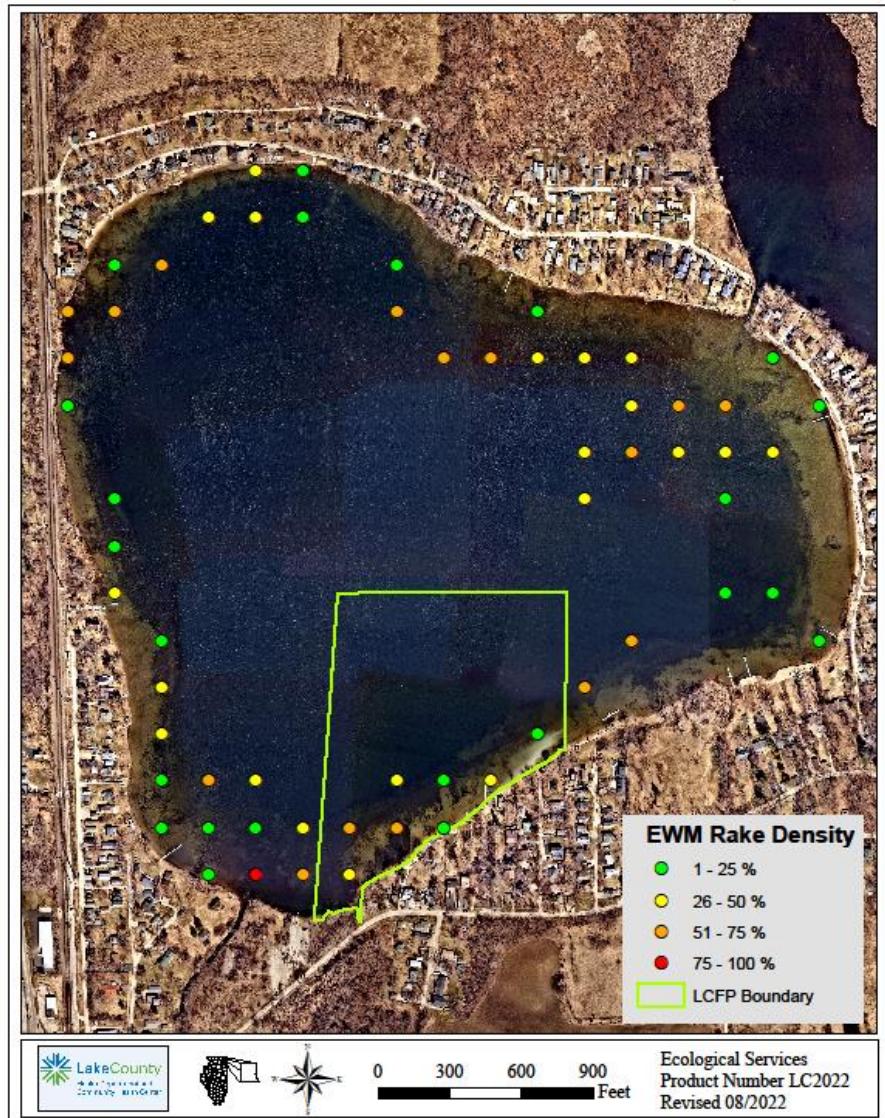
Rating: 0=no effect, 1=minimal effect, 2=below average effect, 3=average effect, 4= above average effect, 5=maximum effect practicable

Loon Lakes Steward of the Lakes Program

East Loon Lake Eurasian Watermilfoil Plant Survey 2022



West Loon Lake Eurasian Watermilfoil Survey 2022





MEMORANDUM

November 17, 2022

TO: Watershed Management Board Members
FR: Jacob Jozefowski, Water Resources Professional
RE: FY2023 WMB Requests; Funding Recommendations for Projects in Des Plaines River Watershed

The Lake County Stormwater Management Commission (SMC) received five (5) requests for Watershed Management Board (WMB) funding for projects in the Des Plaines Watershed, with total project costs of \$428,850 and requested funding in the amount of \$187,600. The amount of funding allocated for projects in the Des Plaines Watershed for Fiscal Year 2023 is \$47,460. Staff recommend WMB funding for two (2) projects: the Mariner's Cove Stormwater Retention Pond Shoreline Restoration (\$38,400) and Almond Rd to Shawnee Ave. (\$7,500) projects, with a total funding amount of \$45,900.

Staff recommendations are based on consideration of the following scoring criteria:

- 1. Interjurisdictional Benefits** — Benefit multiple jurisdictions (government entities, HOAs, not-for-profits), will have interjurisdictional impacts, and/or will benefit the major "trunk"/regional scale drainage system of the watershed. ("Trunk" defined as that part of the drainage system that drains more than 100-acre drainage areas and has the potential to have inter-jurisdictional impacts.)
- 2. Flood Hazard Reduction Benefits** — Have beneficial results or impacts, including non-transportation related flood hazard reduction, during flood events up to and including 100-year events. (A 100-year event being a flood event with the probability of occurrence in any given year of 1%.)
- 3. Structural Damage Reduction** — Mitigate structural damages due to floods and other stormwater related causes with consideration of the number of structures affected including, but not limited to, removing, elevating, flood-proofing or otherwise protecting buildings from future danger of flood damage or structural damage related to flood-induced erosion. Also, these criteria include Lake Michigan Watershed specific mitigation of damages due to stormwater, flood and wave induced problems on bluff, ravine, and lakeshore areas.
- 4. Water Quality Benefits** — Reduce surface water quality impairments utilizing best management practices.
- 5. Natural Resource Benefits** — Benefit the environment with an emphasis on non-structural natural resource protection strategies.
- 6. Nuisance Flood Reduction** — Alleviate major nuisance flooding and/or blocked transportation access.
- 7. Multiple Use Benefits** — Provide multiple-use benefits to communities such as recreation, public education, data collection or others.
- 8. Outside Funding Utilization** — Utilize federal, state, and/or other private funding to the maximum extent possible.
- 9. Phosphorus Public Education Component** — Include a public education and outreach effort aimed at reducing the amount of phosphorus contained in stormwater runoff. This may include reducing the amount of fertilizer applied to lawns, using phosphorus-free fertilizers, and establishing buffer strips along lake

shores, stream banks, and wetlands. Applicants may also choose to adopt an ordinance banning the use of fertilizers and detergents containing phosphorus.

SMC staff also awarded bonus credit to those applications satisfying the following five WMB-approved criteria:

- Projects that protect or alleviate structural damages to critical facilities.
- Projects for which the applicant's share of the estimated total project cost exceeds 50%.
- Projects located within an Environmental Justice Area.
- Projects containing measures recommended in an SMC-adopted watershed plan.
- HOAs that document they are currently implementing stormwater best management practices.

The following summaries describe how each application addresses the nine WMB prioritization criteria. The SMC staff funding recommendation follows each summary:

1. **Almond Road to Shawnee Avenue Drainage Improvement Project.** This application was submitted by the Pinewood Creek Trail Homeowners Association in unincorporated Lake County. The estimated project cost is \$15,000, with local share of \$7,500 and a requested WMB amount of \$7,500. The project involves installing two catch basins, adding beehives to existing and new inlets, and installing rip-rap to reduce flooding at two residential properties. The project will reduce flood hazard, structural damage, and nuisance-related flooding for multiple jurisdictions.

Project Evaluation:

1. The project would have significant interjurisdictional benefits.
2. The project would have significant flood hazard reduction benefits.
3. The project would have significant structural damage reduction benefits.
4. The project would provide minimal water quality benefits.
5. The project would promote minimal natural resource benefits.
6. The project would provide significant nuisance-related flood reduction benefits.
7. The project would provide moderate multiple use benefits.
8. The project would not use outside (non-WMB or Applicant cost share) funding.
9. The project would provide no phosphorus public education benefits.

This project was awarded bonus points current stormwater best management practices (BMP) implementation and proposing actions recommended in a SMC-adopted watershed plan.

SMC staff **RECOMMENDS** WMB funding for Almond Road to Shawnee Avenue Drainage Improvement project in the amount of \$7,500.

2. **Mariner's Cove Stormwater Retention Pond Shoreline Restoration Project.** This application was submitted by the Mariner's Cove Community Association in the Village of Third Lake. The estimated project cost is \$96,000, with local share of \$57,600 and a requested WMB amount of \$38,400. The applicant proposes 2,320 linear feet of shoreline stabilization between two detention basins. The proposed stabilization would utilize native vegetation where feasible and rip-rap where needed. The project emphasizes water quality, natural resource, multiple-use, and phosphorus-education benefits.

Project Evaluation:

1. The project would have significant interjurisdictional benefits.
2. The project would have minimal flood hazard reduction benefits.
3. The project would have minimal structural damage reduction benefits.
4. The project would provide significant water quality benefits.
5. The project would promote significant natural resource benefits.
6. The project would provide no nuisance-related flood reduction benefits.

7. The project would provide significant multiple use benefits.
8. The project would not use outside (non-WMB or Applicant cost share) funding.
9. The project would provide significant phosphorus public education benefits.

This project was awarded bonus points for having greater than 50% non-SMC cost share, current stormwater best management practices (BMP) implementation by an HOA, and proposing actions recommended in a SMC-adopted watershed plan.

SMC staff **RECOMMENDS** WMB funding for the Mariner's Cove Stormwater Retention Pond Shoreline Restoration project in the amount of \$38,400.

3. **Lake Eleanora Drainage Improvements Project.** This application was submitted by the Lake Eleanora Estates Homeowner's Association in the Village of Long Grove. The estimated project cost is \$192,950, with local share of \$142,950 and a requested grant funding amount of \$50,000. This applicant proposes to repair a drainage system that conveys water from a detention basin to the storm sewer system. This work will address ponding of stormwater that is undermining Ellis Drive, utility pedestals, and three residential driveways and lawns. Specifically, the project seeks to abandon the existing line connecting the basin and storm sewer system and replace it with a six-inch PVC pipe with a clean out grate and two manholes. The proposed project will benefit numerous jurisdictions for reduced nuisance flooding as well as flood hazard reduction, structural damage reduction, and water quality benefits.

Project Evaluation:

1. The project would have significant interjurisdictional benefits.
2. The project would have moderate flood hazard reduction benefits.
3. The project would have moderate structural damage reduction benefits.
4. The project would provide moderate water quality benefits.
5. The project would promote moderate natural resource benefits.
6. The project would provide significant nuisance-related flood reduction benefits.
7. The project would provide minimal multiple use benefits.
8. The project would not use outside (non-WMB or Applicant cost share) funding.
9. The project would provide moderate phosphorus public education benefits.

This project was awarded bonus points for having greater than 50% non-SMC cost share.

Staff does **NOT RECOMMEND** the Lake Eleanora Drainage Improvement project for WMB funding but forwarded it to the SMC Executive Director for consideration for Stormwater Infrastructure Repair Fund (SIRF) funding.

4. **Lakeridge Restoration Association Buffer Reset Project.** This application was submitted by the Lakeridge Restoration Association in the Village of Long Grove. The estimated project cost is \$24,900, with local share of \$13,200 and a requested WMB amount of \$11,700. The proposed project would restore 3.29 acres of riparian buffer by removing invasive species and overseeding to establish native vegetation. The proposed project will provide natural resource and phosphorus education benefits as well as benefits to water quality and multiple-uses for several jurisdictions.

Project Evaluation:

1. The project would have moderate interjurisdictional benefits.
2. The project would have minimal flood hazard reduction benefits.
3. The project would have minimal structural damage reduction benefits.
4. The project would provide moderate water quality benefits.
5. The project would promote significant natural resource benefits.
6. The project would provide minimal nuisance-related flood reduction benefits.

7. The project would provide moderate multiple use benefits.
8. The project would provide moderate outside (non-WMB or Applicant cost share) funding.
9. The project would provide significant phosphorus public education benefits.

This project was awarded bonus points for having greater than 50% non-SMC cost share, current stormwater best management practices (BMP) implementation by an HOA, and proposing actions recommended in a SMC-adopted watershed plan.

SMC staff does **NOT RECOMMEND** WMB funding for the Lakeridge Restoration Association Buffer Reset project.

5. **North Libertyville Estates Pond Project.** This application was submitted by the North Libertyville Estates Community Association in Unincorporated Lake County. The estimated project cost is \$100,000, with local share of \$20,000 and a requested WMB amount of \$80,000. The proposed project would dredge a detention basin and remove excess vegetation in the North Libertyville estates neighborhood. The proposed project has flood hazard reduction, water quality, natural resource, and multiple-use benefits.

Project Evaluation:

1. The project would have minimal interjurisdictional benefits.
2. The project would have moderate flood hazard reduction benefits.
3. The project would have minimal structural damage reduction benefits.
4. The project would provide moderate water quality benefits.
5. The project would promote moderate natural resource benefits.
6. The project would provide minimal nuisance-related flood reduction benefits.
7. The project would provide moderate multiple use benefits.
8. The project would not use outside (non-WMB or Applicant cost share) funding.
9. The project would provide moderate phosphorus public education benefits.

This project was awarded bonus points for proposing actions recommended in a SMC adopted watershed plan.

SMC staff does **NOT RECOMMEND** WMB funding for the North Libertyville Estates Pond project.

If you have any questions regarding these projects, please contact Jacob Jozefowski at jjozefowski@lakecountyil.gov.

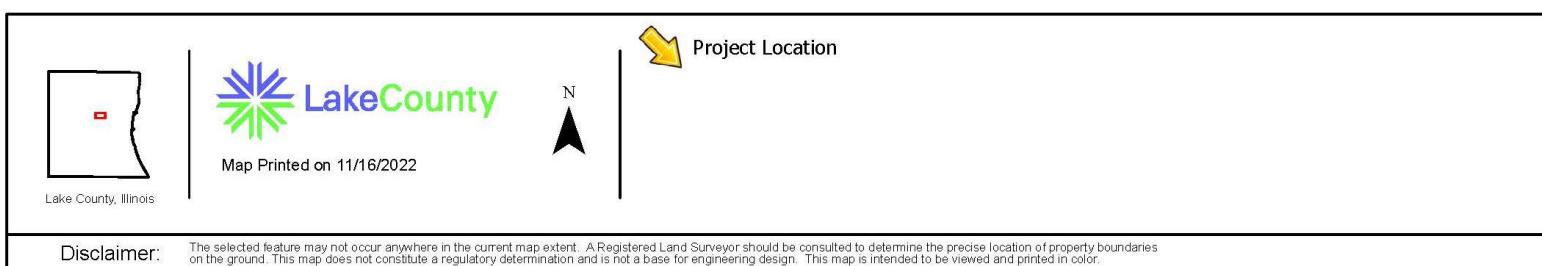
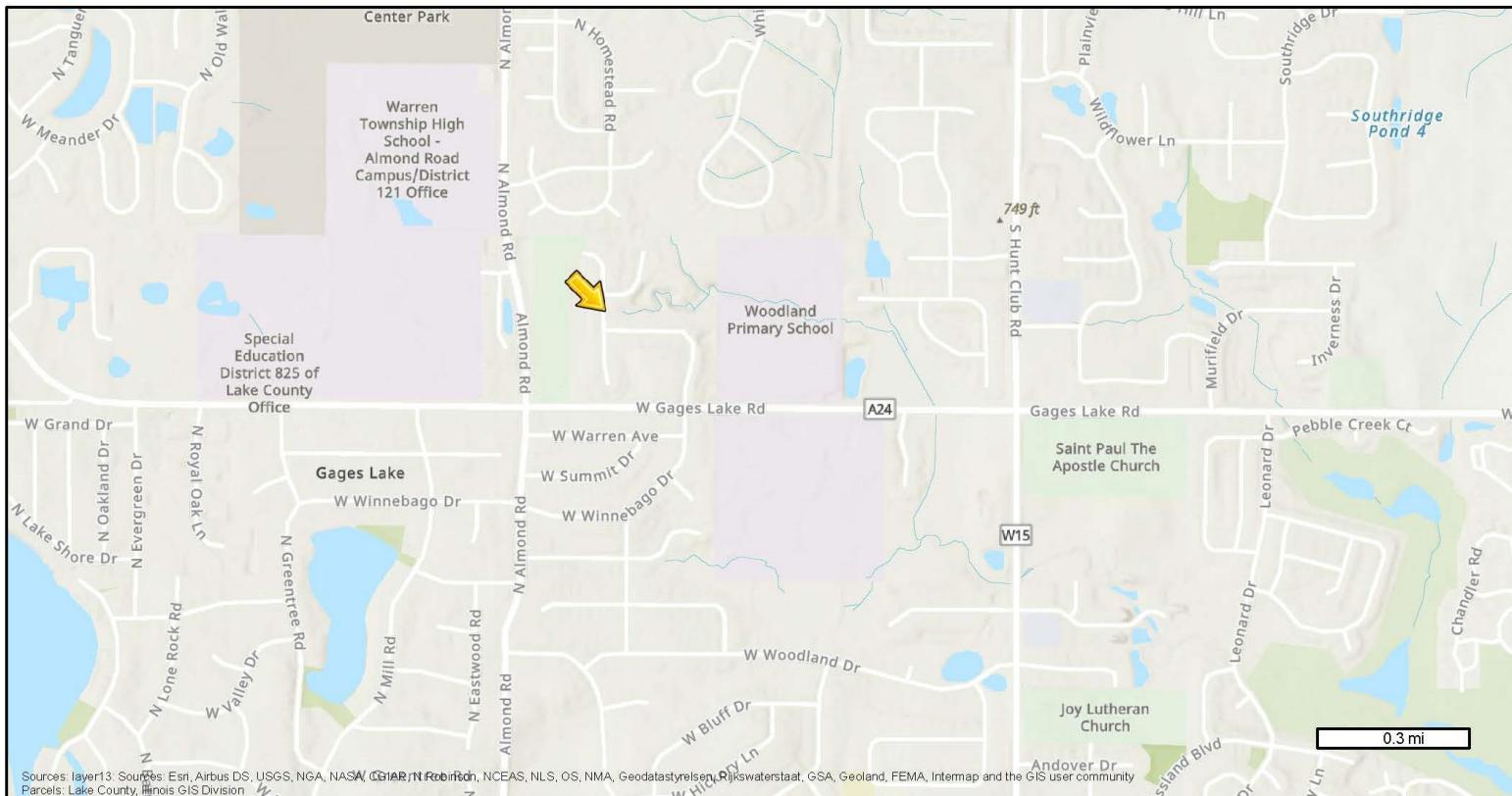
DES PLAINES RIVER

WMB FY2023 Funding Evaluation – Des Plaines River Watershed

Des Plaines River Watershed			Lake Eleanora Drainage Improvements		Lakeridge Restoration Association Buffer Reset		Mariner's Cove Stormwater Retention Pond Shoreline Rest'n		North Libertyville Estates Pond Project		Almond Rd to Shawnee Ave. Drainage Improvement		Watershed Total
			Lake Eleanora Estates HOA		Lakeridge Restoration Association		Mariner's Cove Community Association		North Libertyville Est. Community Assoc.		Pinewood Creek Trail HOA		
Rank	Prioritization Criteria	Max. Possible Weight	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	
1	Interjurisdictional benefits	25	4	100	3	75	4	100	1	25	4	100	
2	Flood hazard reduction benefits	20	2	40	1	20	1	20	2	40	4	80	
3	Structural damage reduction	15	2	30	1	15	1	15	1	15	4	60	
4	Water quality benefits	15	2	30	3	45	4	60	2	30	1	15	
5	Natural resource benefits	10	2	20	4	40	5	50	2	20	1	10	
6	Nuisance flood reduction	5	5	25	1	5	0	0	1	5	5	25	
7	Multiple use benefits	5	1	5	3	15	4	20	3	15	2	10	
8	Outside funding utilization	5	0	0	2	10	0	0	0	0	0	0	
9	Phosphorus public education component	5	3	15	4	20	4	20	2	10	0	0	
	Bonus Credit: Critical Facilities	5		0		0		0		0	0	0	
	Bonus Credit: Greater than 50% non-SMC cost share	5		3		1		3		0	0	0	
	Bonus Credit: Within Environmental Justice Area	5		0		0		0		0	0	0	
	Bonus Credit: Measure recommended in SMC-adopted Watershed Management Plan	5		0		5		5		5	5	5	
	Bonus Credit: Current HOA stormwater BMP implementation	5		0		5		5		0	5	5	
	Weighted Score Total (Minimum score greater than 210 required for funding)			268		256		298		165		310	
	Total project cost			\$192,950		\$24,900		\$96,000		\$100,000		\$15,000	\$428,850
	Applicant in-kind hours			0		12		68		0		80	160
	Applicant cost share			\$142,950		\$13,200		\$57,600		\$20,000		\$7,500	\$241,250
	Applicant's WMB funding request			\$50,000		\$11,700		\$38,400		\$80,000		\$7,500	\$187,600
	Applicant's request for SMC in-kind hours			0		0		0		0		0	0
	Total Available Funds for the watershed =	\$47,460											
	Staff recommendation for watershed funding			0		0		40		0		40	\$0
	Staff recommendation for SMC in-kind hours			0		0		40		0		40	80

DES PLAINES RIVER

Project Location: Almond Road to Shawnee Avenue Drainage Improvement, Unincorporated



Existing Conditions: Almond Road to Shawnee Avenue Drainage Improvement Project Site



Proposed Improvements for Almond Road to Shawnee Avenue Drainage Improvement Project



ALMOND RD. TO SHAWNEE AVE PROJECT

① EXISTING STRUCTURES/ MANHOLES

○ EXISTING INLET

○ NEW INLET 24"X36"

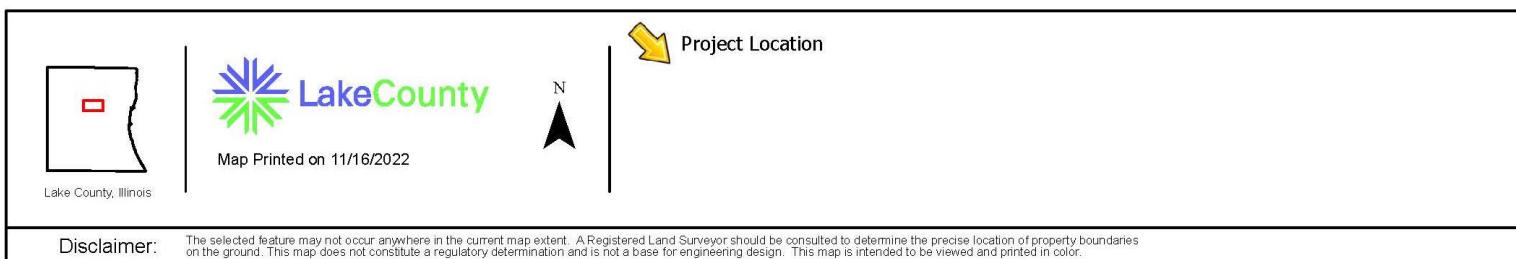
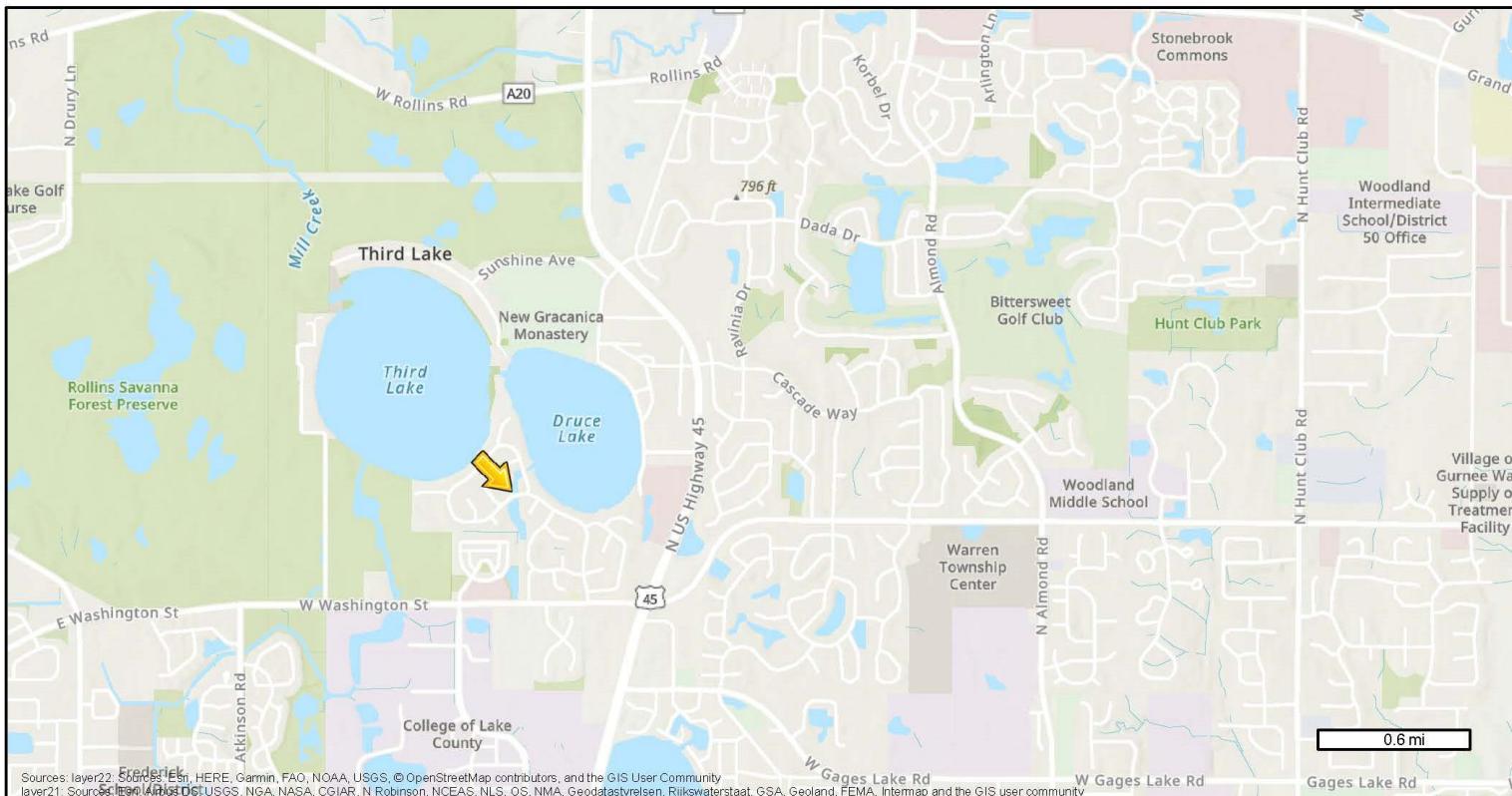
→→→ EXISTING 15" TILE
→→→ PROPOSED 15" SDR26
INSTALL RAISE BEE HIVE ON BOTH OLD
AND NEW INLETS

TAP EXISTING INLET, INSTALL 24"X36"
INLET W 17" HOLES CORED.

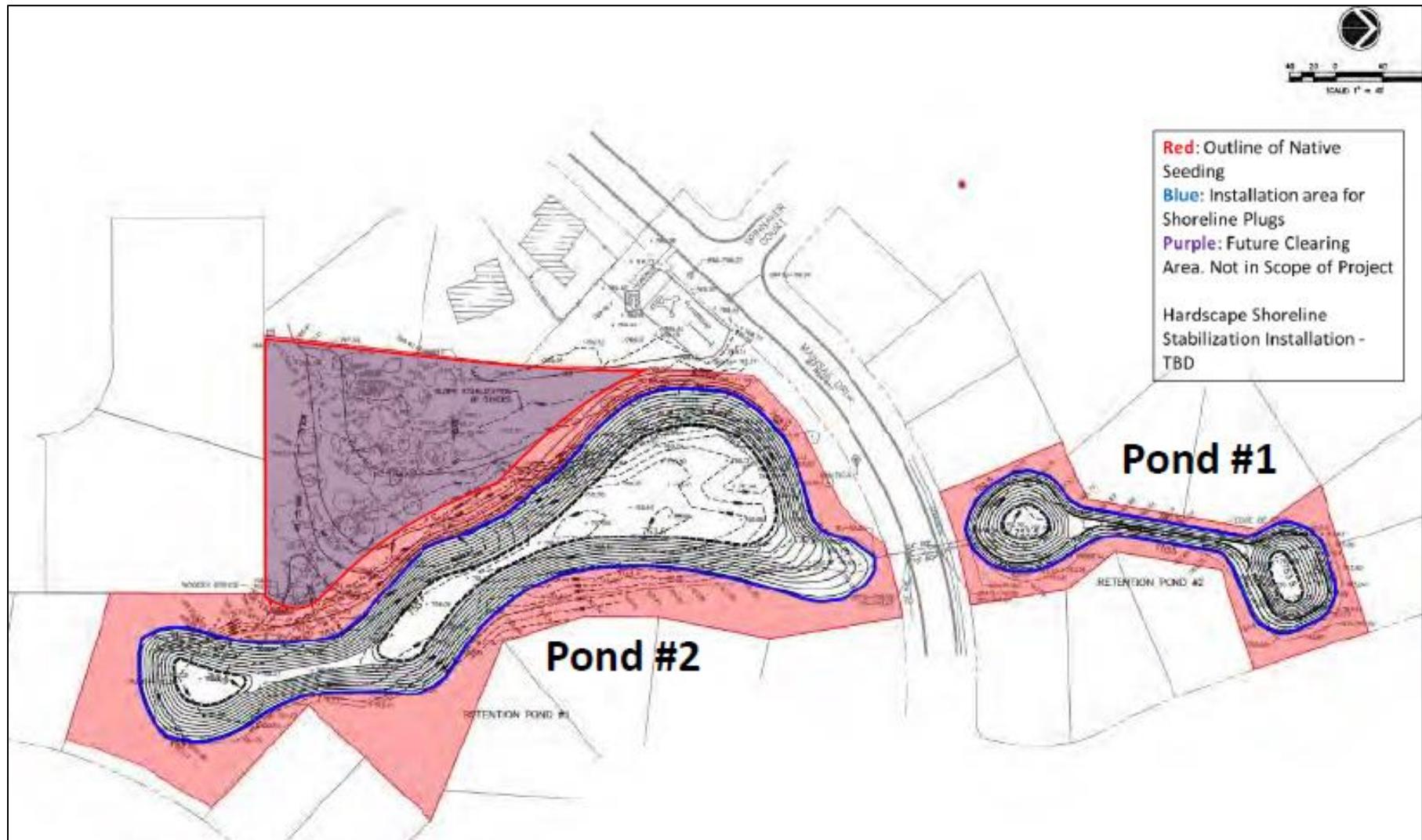
TAP EXISTING SOUTH MANHOLE INSTALL
15" SDR26 FROM NEW INLET TO SOUTH
MANHOLE.

DES PLAINES RIVER

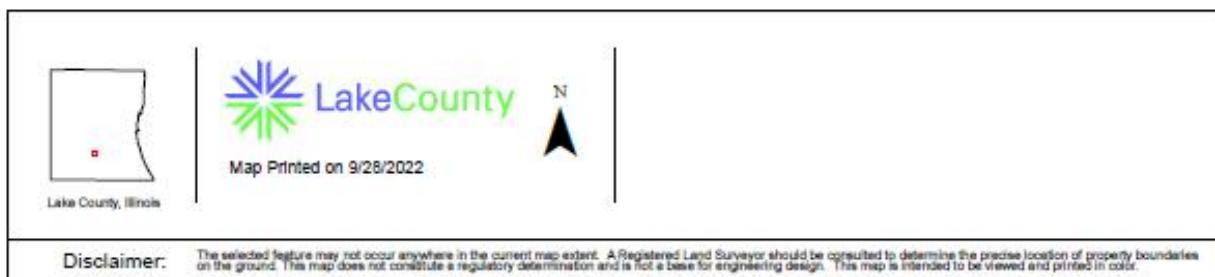
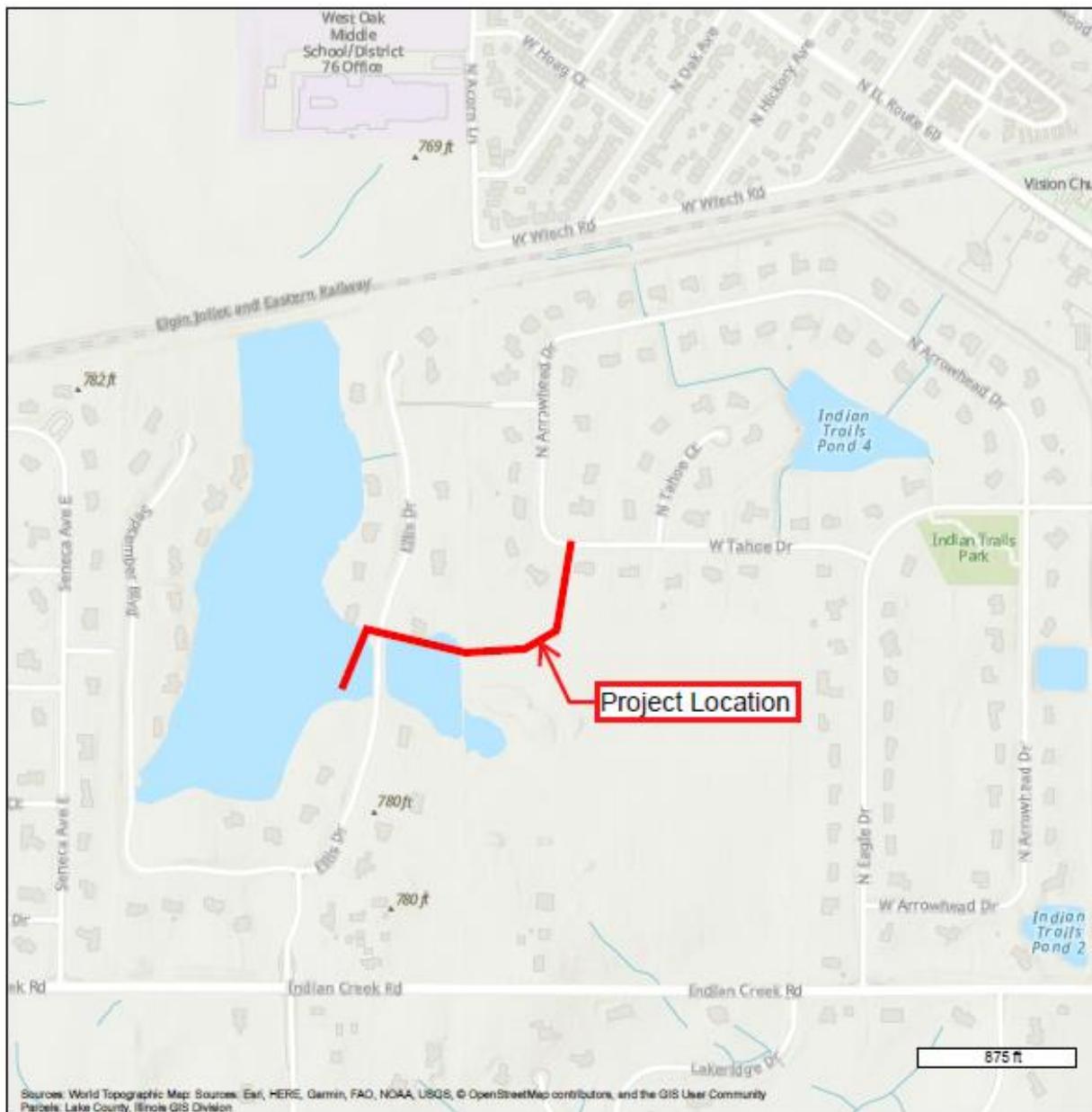
Project Location: Mariner's Cove Stormwater Retention Pond Restoration, Third Lake



Proposed Improvements for Mariner's Cove Stormwater Retention Pond Restoration Project



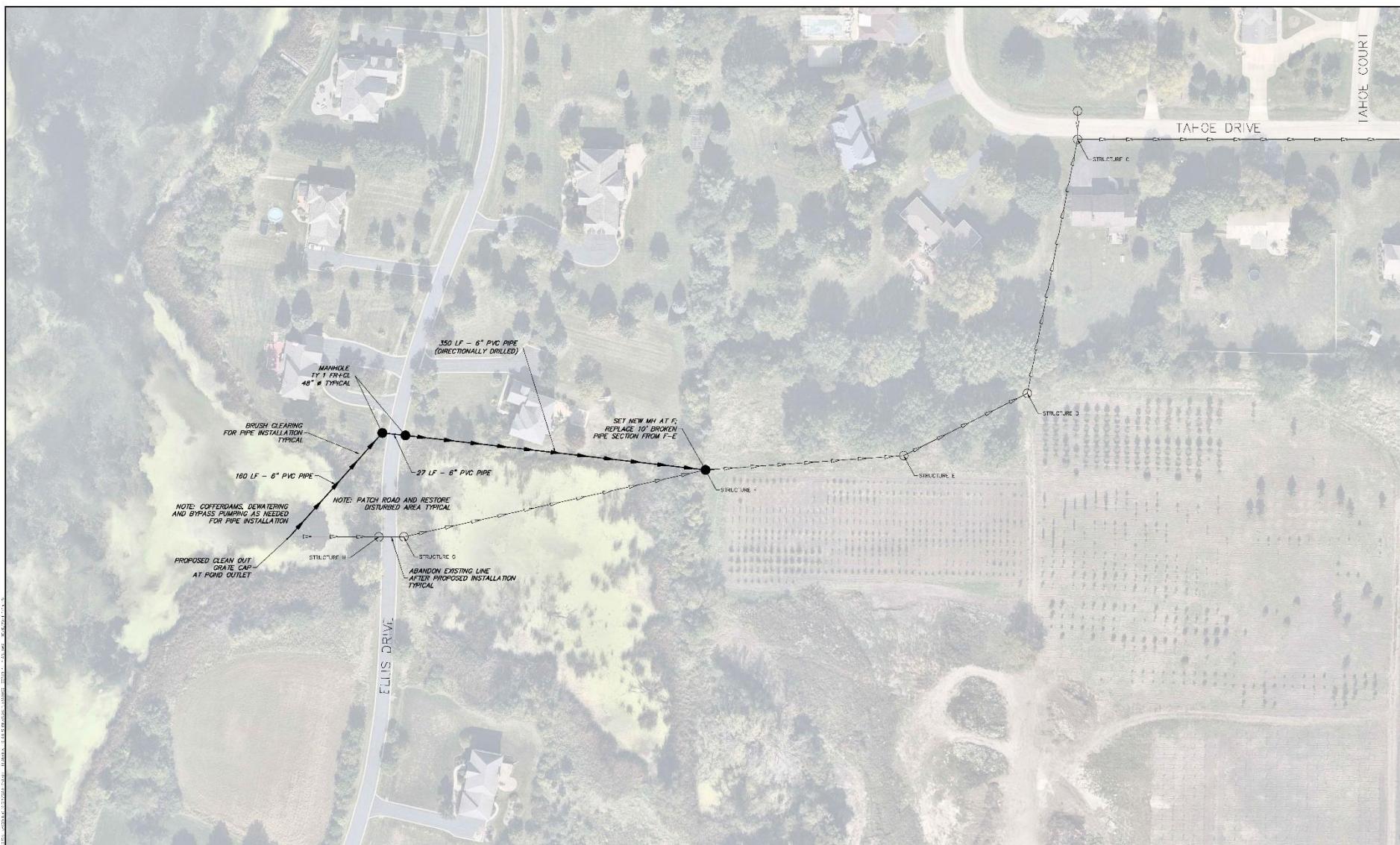
Project Location: Lake Eleanora Drainage Improvements Project, Long Grove



Existing Conditions Lake Eleanora Drainage Improvements



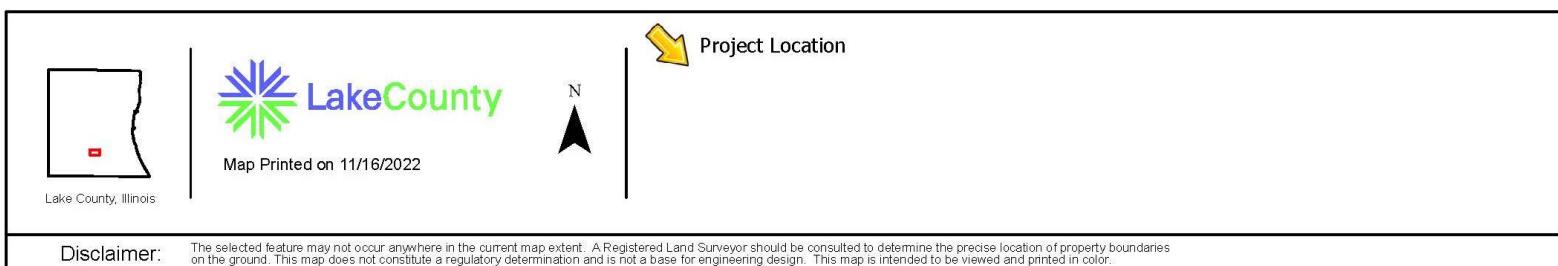
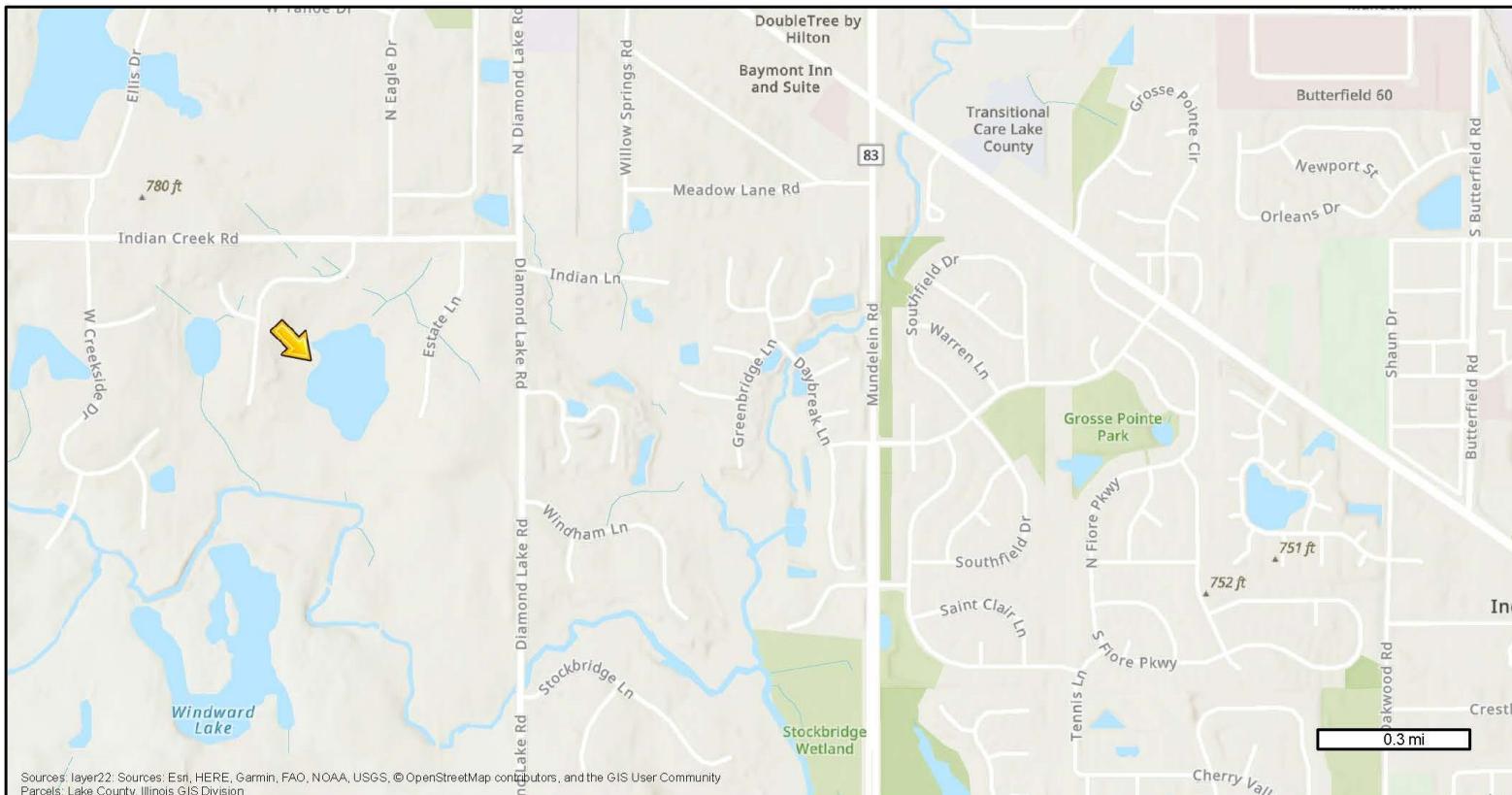
Proposed Improvements for Lake Eleanora Drainage Improvements.



GHA GEWALT HAMILTON ASSOCIATES, INC.		COPYRIGHT NOTICE		DRAINAGE CONCEPT PLAN		RLB Drainage Concept Plan Only		SHEET NUMBER	
625 Forest Edge Drive • Vernon Hills, IL 60061 Tel: 847.478.9700 • Fax 847.478.9701		This drawing is the property of Gewalt-Hamilton Associates, Inc. and is not to be copied for any purpose other than the specific project for which it was prepared. Any unauthorized reproduction in any manner without the express written permission from Gewalt-Hamilton Associates, Inc.		LAKE ELEANORA ESTATES VILLAGE OF LONG GROVE, IL		DRAWN BY: KRM GHA PROJECT #: DATE: 10/5/2021 5000:100		1	
								CHECKED BY: GLF SCALE: DATE: 10/5/2021 1" - 50'	
								OF 1 SHEETS	

DES PLAINES RIVER

Project Location: Lakeridge Restoration Association Buffer Reset Project, Long Grove.

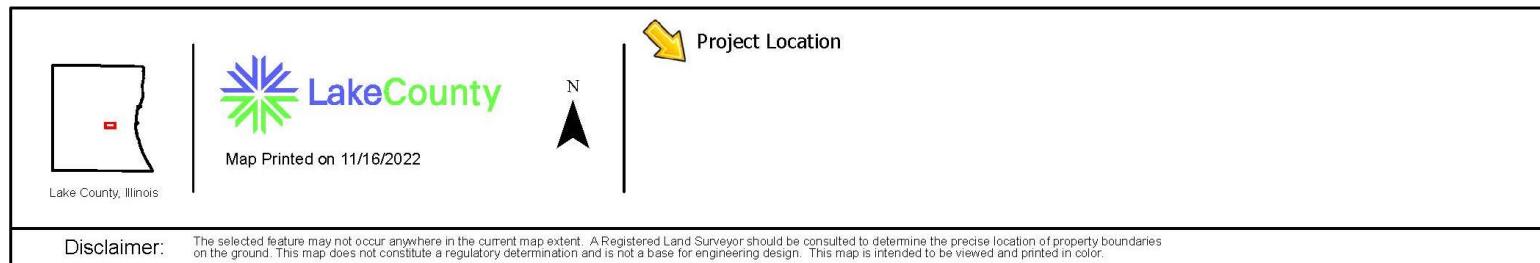
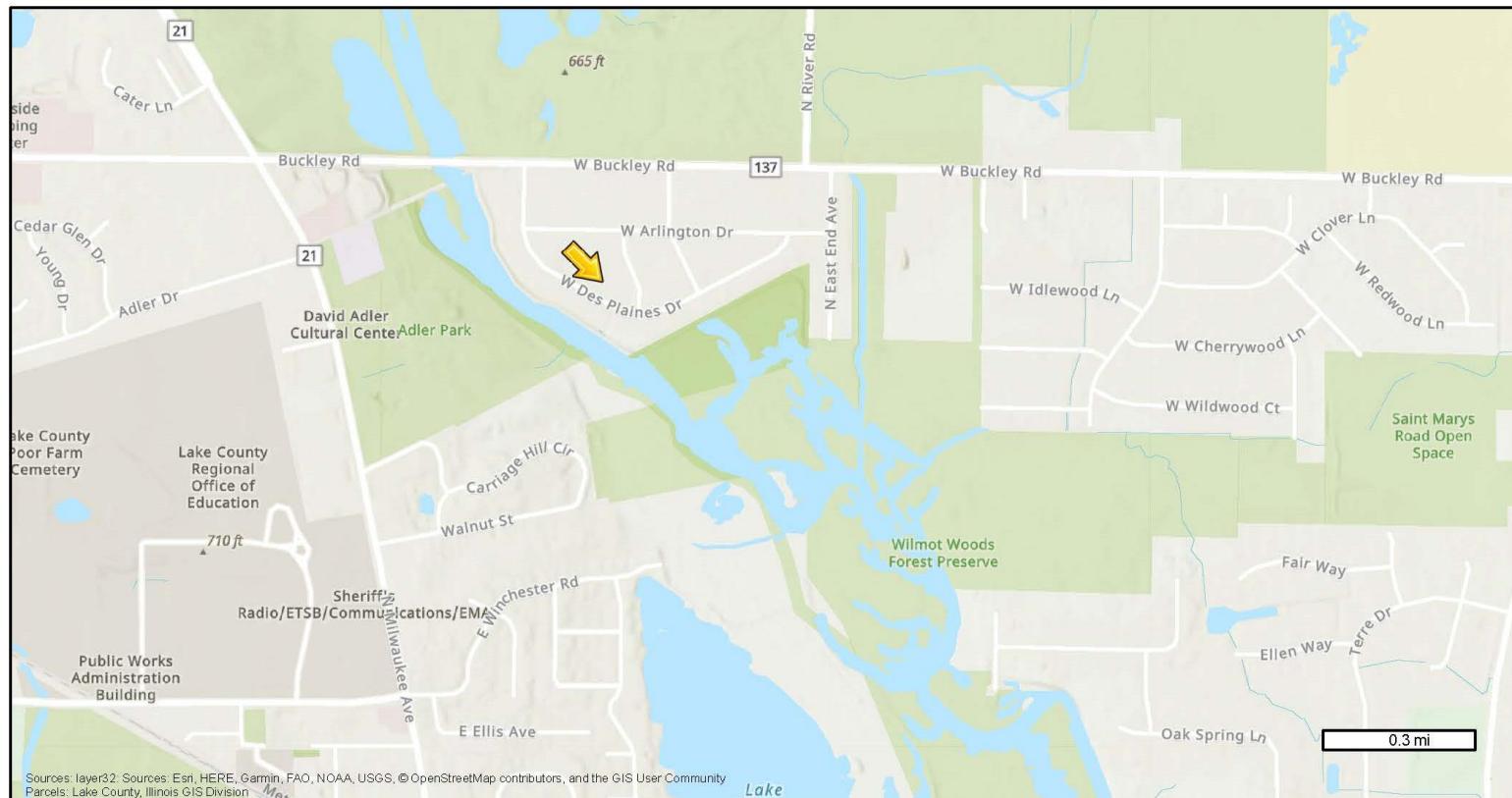


Proposed Improvements for Lakeridge Restoration Association Buffer Reset.



DES PLAINES RIVER

Project Location: North Libertyville Estates Pond Project, Unincorporated Libertyville.





MEMORANDUM

November 21, 2022

To: North Branch Chicago River Watershed Management Board
From: Ashley Strelcheck, Water Resource Professional
Re: FY2023 WMB Grant – Funding Recommendations for Projects in the North Branch Chicago River Watershed

SMC received two (2) applications for projects in the North Branch Chicago River Watershed, with a total project cost of \$130,000 and requested funding in the amount of \$43,730.00. The available funding for projects in the North Branch Chicago River Watershed for Fiscal Year 2023 is \$23,730. The attached table, "WMB Funding Evaluation-North Branch Chicago River Watershed," provides the SMC staff evaluation of submitted application based on the following prioritization criteria:

1. **Interjurisdictional Benefits** — Benefit multiple jurisdictions (government entities, HOAs, not-for-profits), will have interjurisdictional impacts, and/or will benefit the major "trunk"/regional scale drainage system of the watershed. ("Trunk" defined as that part of the drainage system that drains more than 100-acre drainage areas and has the potential to have inter-jurisdictional impacts.)
2. **Flood Hazard Reduction Benefits** — Have beneficial results or impacts, including non-transportation related flood hazard reduction, during flood events up to and including 100-year events. (A 100-year event being a flood event with the probability of occurrence in any given year of 1%.)
3. **Structural Damage Reduction** — Mitigate structural damages due to floods and other stormwater related causes with consideration of the number of structures affected including, but not limited to, removing, elevating, flood-proofing or otherwise protecting buildings from future danger of flood damage or structural damage related to flood-induced erosion. Also, these criteria include Lake Michigan Watershed specific mitigation of damages due to stormwater, flood and wave induced problems on bluff, ravine, and lakeshore areas.
4. **Water Quality Benefits** — Reduce surface water quality impairments utilizing best management practices.
5. **Natural Resource Benefits** — Benefit the environment with an emphasis on non-structural natural resource protection strategies.
6. **Nuisance Flood Reduction** — Alleviate major nuisance flooding and/or blocked transportation access.
7. **Multiple Use Benefits** — Provide multiple-use benefits to communities such as recreation, public education, data collection or others.
8. **Outside Funding Utilization** — Utilize federal, state, and/or other private funding to the maximum extent possible.
9. **Phosphorus Public Education Component** — Include a public education and outreach effort aimed at reducing the amount of phosphorus contained in stormwater runoff. This may include reducing the amount of fertilizer applied to lawns, using phosphorus-free fertilizers, and establishing buffer strips along lake shores, stream banks, and wetlands. Applicants may also choose to adopt an ordinance banning the use of fertilizers and detergents containing phosphorus.

SMC staff also awarded bonus credit to those applications satisfying the following five WMB-approved criteria:

- Projects that protect or alleviate structural damages to critical facilities.
- Projects for which the applicant's share of the estimated total project cost exceeds 50%.
- Projects located within an Environmental Justice Area.
- Projects that are recommended in a SMC-adopted watershed plan.
- HOAs that document they are currently implementing stormwater best management practices.

Below is a summary of each proposed project, describing how each application addresses the WMB-approved prioritization criteria. SMC staff recommendations are also presented below.

1. **Foster Avenue Stormwater Drainage & Flood Mitigation Project.** An application was submitted by Shields Township and Ms. Janice Aull. The estimated project cost is \$50,000, of which \$26,270 is the applicant's share and \$23,730 is being requested from the WMB. The proposed project scope of work includes improving 500 linear feet of eroded drainage ditch by removing invasive vegetation, grading for positive stormwater conveyance, stabilizing the ditch with rock, cobbles, and boulders and planting with deep-rooted native vegetation to reduce flooding. This project will reduce the number of closures of the community main thoroughfare (intersection of Birch and Muir Avenue) due to flooding and will effectively and efficiently capture, slow, and filter stormwater that drains into the downstream wetlands. The proposed project will reduce flooding in the area, while having positive impacts on water quality and natural resources by stabilization of the ditch with rock and native plants, as well as provide an opportunity for watershed public outreach with educational signage.

Project evaluation:

1. The project will provide inter-jurisdictional benefits.
2. The project will provide some flood hazard reduction benefits.
3. The project will provide significant water quality benefits.
4. The project will provide significant natural resource benefits.
5. The project will provide significant nuisance-related flooding reduction benefits.
6. The project will provide multiple use benefits.
7. The project will provide outside funding utilization.
8. Public education and outreach on reducing phosphorus loads is not proposed.

Bonus credit was awarded to this project due to it being recommended in the North Branch Chicago River Watershed-Based Plan and providing greater than 50% of non-SMC cost share funding.

SMC staff **RECOMMENDS** WMB funding for the Foster Avenue Stormwater Drainage & Flood Mitigation project in the amount of \$23,730.

2. **Big Pond Restoration Project.** An application was submitted by Arbor Ridge Homeowners Association. The estimated project cost is \$80,000, of which \$60,000 is the applicant's share. The HOA requests \$20,000 from the WMB. The proposed project scope of work includes dredging organic sediments from the deepest area of the HOA's Big Pond and potentially (if time allows) widening the bottom of the shoreline banks and improving the inlet and outlet conditions, reducing the chance of silt buildup.

Project evaluation:

1. The project will provide minimal inter-jurisdictional benefits.
2. The project will provide minimal flood hazard reduction benefits.
3. The project will provide minimal water quality benefits.
4. The project will provide minimal natural resource benefits.
5. The project will provide some nuisance-related flooding reduction benefits.
6. The project will provide minimal multiple use benefits.
7. Public education and outreach on reducing phosphorus loads is proposed.

NORTH BRANCH CHICAGO RIVER

Bonus credit was awarded to this project due to it being recommended in the North Branch Chicago River Watershed-Based Plan and providing greater than 50% of non-SMC cost share funding.

SMC staff does **NOT RECOMMEND** WMB funding for the Big Pond Restoration project.

If you have any questions regarding these projects, please contact Ashley Strelcheck at (847) 377-7710 or astrelcheck@lakecountyil.gov.

WMB FY2022 Funding Evaluation – North Branch Chicago River Watershed

North Branch Watershed			Big Pond Restoration Project		Foster Ave Stormwater Drainage and Flood Mitigation		Watershed Total	
			Arbor Ridge HOA		Shields Township			
Rank	Prioritization Criteria	Max. Possible Weight	Rating	Score	Rating	Score		
1	Interjurisdictional benefits	25	2	50	3	75		
2	Flood hazard reduction benefits	20	2	40	2	40		
3	Structural damage reduction	15	0	0	0	0		
4	Water quality benefits	15	2	30	4	60		
5	Natural resource benefits	10	2	20	4	40		
6	Nuisance flood reduction	5	3	15	4	20		
7	Multiple use benefits	5	1	5	4	20		
8	Outside funding utilization	5	0	0	2	10		
9	Phosphorus public education component	5	3	15	0	0		
	Bonus Credit: Critical Facilities	5	0	0	0	0		
	Bonus Credit: Greater than 50% non-SMC cost share	5	3	3	2	2		
	Bonus Credit: Measure Recommended in a SMC-adopted watershed management plan	5	1	5	1	5		
	Bonus Credit: Within Environmental Justice Area	5	0	0	0	0		
	Bonus Credit: Current HOA Stormwater BMP Implementation	5	0	0	0	0		
	Weighted Score Total (Minimum score greater than 210 required for funding)			183		272		
Total project cost			\$80,000		\$50,000		\$130,000	
Applicant in-kind hours			50		244		294	
Applicant cost share			\$60,000		\$26,270		\$86,270	
Applicant's WMB funding request			\$20,000		\$23,730		\$43,730	
Applicant's request for SMC in-kind hours			0		4		4	
Total Available Funds for the watershed =		\$23,730						
Staff recommendation for watershed funding			\$0		\$23,730		\$23,730	
Staff recommendation for SMC in-kind hours			0		44		44	

Rating: 0=no effect, 1=minimal effect, 2=below average effect, 3=average effect, 4=above average effect, 5=maximum effect practicable

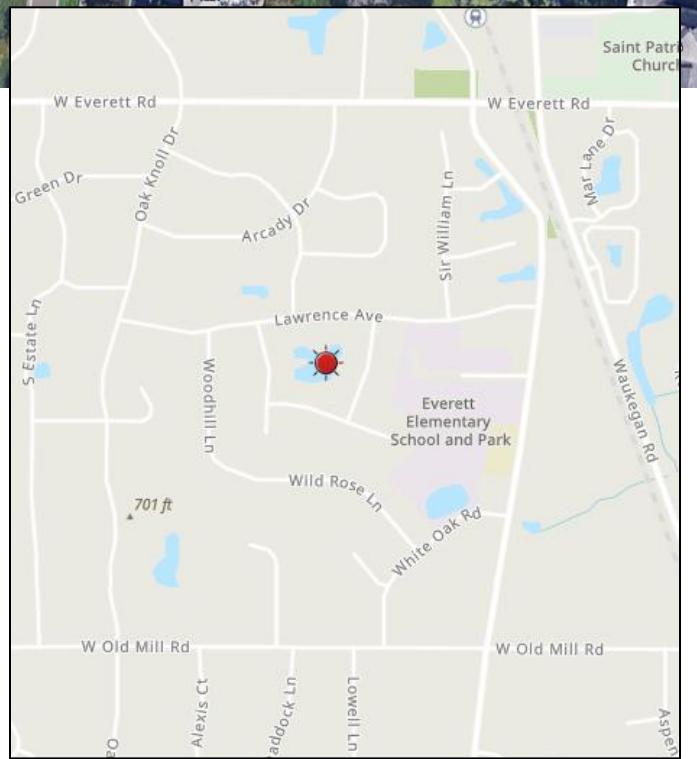
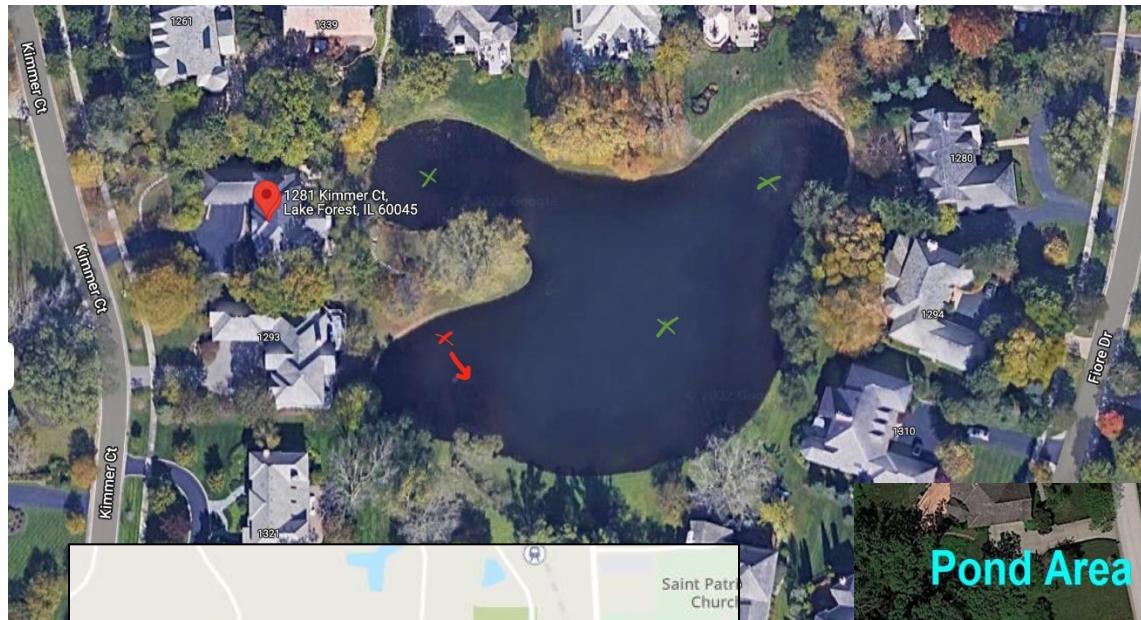
NORTH BRANCH CHICAGO RIVER

Foster Ave Stormwater Drainage and Flood Mitigation Project Location, Unincorporated Knollwood.



NORTH BRANCH CHICAGO RIVER

Arbor Ridge's Big Pond Restoration Project, Lake Forest.





MEMORANDUM

November 30, 2022

To: Fox River Watershed Management Board
From: Michelle Pope
Re: FY2023 WMB Grant – Funding Recommendations for Projects in the Fox River Watershed

SMC received seven (7) applications for projects in the Fox River Watershed, with a total project cost of \$388,362 and requested funding in the amount of \$125,508. Available funding for projects in the Fox River Watershed for Fiscal Year 2023 is \$23,730 plus \$31,844 from a withdrawn FY19 watershed funded project, for a total of \$55,574. SMC staff recommends funding for four projects. The attached table, "WMB Funding Evaluation-Fox River Watershed," provides the SMC staff evaluation of submitted applications based on the following prioritization criteria:

1. **Interjurisdictional Benefits** — Benefit multiple jurisdictions (government entities, HOAs, not-for-profits), will have interjurisdictional impacts, and/or will benefit the major "trunk"/regional scale drainage system of the watershed. ("Trunk" defined as that part of the drainage system that drains more than 100-acre drainage areas and has the potential to have inter-jurisdictional impacts.)
2. **Flood Hazard Reduction Benefits** — Have beneficial results or impacts, including non-transportation related flood hazard reduction, during flood events up to and including 100-year events. (A 100-year event being a flood event with the probability of occurrence in any given year of 1%.)
3. **Structural Damage Reduction** — Mitigate structural damages due to floods and other stormwater related causes with consideration of the number of structures affected including, but not limited to, removing, elevating, flood-proofing or otherwise protecting buildings from future danger of flood damage or structural damage related to flood-induced erosion. Also, these criteria include Lake Michigan Watershed specific mitigation of damages due to stormwater, flood and wave induced problems on bluff, ravine, and lakeshore areas.
4. **Water Quality Benefits** — Reduce surface water quality impairments utilizing best management practices.
5. **Natural Resource Benefits** — Benefit the environment with an emphasis on non-structural natural resource protection strategies.
6. **Nuisance Flood Reduction** — Alleviate major nuisance flooding and/or blocked transportation access.
7. **Multiple Use Benefits** — Provide multiple-use benefits to communities such as recreation, public education, data collection or others.
8. **Outside Funding Utilization** — Utilize federal, state, and/or other private funding to the maximum extent possible.
9. **Phosphorus Public Education Component** — Include a public education and outreach effort aimed at reducing the amount of phosphorus contained in stormwater runoff. This may include reducing the amount of fertilizer applied to lawns, using phosphorus-free fertilizers, and establishing buffer strips along lake

shores, stream banks, and wetlands. Applicants may also choose to adopt an ordinance banning the use of fertilizers and detergents containing phosphorus.

SMC staff also awarded bonus credit to those applications satisfying the following five WMB-approved criteria:

- Projects for which the applicant's share of the estimated total project cost exceeds 50%.
- Projects located within an Environmental Justice Area.
- Projects recommended in an SMC-adopted watershed plan.
- Projects that protect or alleviate structural damages to critical facilities.
- HOAs that document they are currently implementing stormwater best management practices.

Below are summaries of proposed projects, evaluation of project's prioritization criteria, and SMC staff recommendations for WMB project funding:

1. **Channel Park Buffer Installation Project.** The Village of Island Lake submitted this project application. The estimated project cost is \$20,600, of which \$11,747.50 is the applicant's share and the amount requested from WMB is \$8,802.50. The proposed project scope of work includes installation of a 5,550 square foot native buffer along the Channel Park section of Mutton Creek. The project will also include removing buckthorn. The proposed project has interjurisdictional, water quality, natural resource benefits, and multiple use benefits.

Project evaluation:

1. The project will provide moderate interjurisdictional benefits.
2. The project will provide some flood hazard reduction benefits.
3. The project will provide structural damage reduction benefits.
4. The project will provide moderate water quality benefits.
5. The project will provide significant natural resource benefits.
6. The project will provide some nuisance-related flooding reduction benefits.
7. The project will provide moderate multiple use benefits.
8. The project will utilize moderate outside (i.e., non-WMB or Applicant cost share) funding.
9. The project proposes significant public education and outreach components for reducing phosphorus.

This project received bonus credits for proposing a cost-share greater than the required minimum 50% of the estimated total project cost and for being in an Environmental Justice Area.

SMC staff **RECOMMENDS** WMB funding for the Channel Park Buffer Installation Project in the amount of \$8,802.50.

2. **Marine Drive Shoreline Improvement Project.** The Grant Township Highway Department submitted this project application. The estimated project cost is \$46,460, of which \$23,230 is the applicant's share. The amount requested from WMB is \$23,230. The proposed project scope includes installation of rip-rap on approximately 510 linear feet of shoreline on the southern end of Meyer's Bay with use a silt curtain at the mouth of the bay during rock installation. The project will also include tree removal along the eastern corner of the project site and two applications of herbicide to remove cattails. The proposed project has interjurisdictional, flood hazard reduction, structural damage water quality, multiple use benefits.

Project evaluation:

1. The project will provide moderate interjurisdictional benefits.
2. The project will provide moderate flood hazard reduction benefits.
3. The project will provide moderate structural damage reduction benefits.
4. The project will provide some water quality benefits.

5. The project will provide some natural resource benefits.
6. The project will provide some nuisance-related flooding reduction benefits.
7. The project will provide moderate multiple use benefits.
8. The project will not utilize outside (i.e., non-WMB or Applicant cost share) funding.
9. The project proposes moderate public education and outreach components for reducing phosphorus.

SMC staff **RECOMMENDS** WMB funding for the Marine Drive Shoreline Improvement Project in the amount of \$18,861.

3. Manitou Creek Beaver Conflict Management and Stream Maintenance Project. The Manitou Creek Drainage District submitted this project application. The estimated project cost is \$38,857.25, of which \$21,142.25 is the applicant's share and \$16,215 is requested from WMB funds. The proposed project scope includes installation of flow devices at four beaver conflict sites to prevent unwanted flooding of infrastructure, residences, businesses, and agricultural fields. The four proposed sites are the culvert on Nippersink Road in Unincorporated Avon Township, the box culvert at Manitou Creek and Timber Creek Drive, the box culvert at Manitou Creek and Belvidere Road, and at the box culvert at Manitou Creek and Route 60. The proposed project has interjurisdictional and multiple use benefits.

Project evaluation:

1. The project will provide significant interjurisdictional benefits.
2. The project will provide some flood hazard reduction benefits.
3. The project will provide structural damage reduction benefits.
4. The project will provide some water quality benefits.
5. The project will provide some natural resource benefits.
6. The project will provide some nuisance-related flooding reduction benefits.
7. The project will provide moderate multiple use benefits.
8. The project will utilize significant outside (non-WMB or Applicant cost share) funding.
9. The project proposes moderate public education and outreach components for reducing phosphorus.

This project received bonus credit for proposing a cost-share greater than the required minimum 50% of the estimated total project cost.

SMC staff does **NOT RECOMMEND** WMB funding for the Manitou Creek Beaver Conflict Management and Stream Maintenance Project for this funding cycle. SMC will be reviewing the results for the FY22 WMB-funded project and discussing performance outcomes with the Manitou Creek Drainage District.

4. Loon Lakes Management Association Natural Resources Project. The Loon Lakes Management Association submitted this project application. The estimated project cost is \$140,000, of which \$122,000 is the applicant's share. The amount requested from WMB is \$18,000. The proposed project scope of work includes the eradication of Eurasian Water Milfoil (EWM) and Hydrilla using an herbicide that kills EWM before maturity. The proposed project has interjurisdictional, water quality, natural resource benefits, and multiple use benefits.

Project evaluation:

1. The project will provide moderate interjurisdictional benefits.
2. The project will provide flood hazard reduction benefits.
3. The project will provide minimal structural damage reduction benefits.
4. The project will provide moderate water quality benefits.
5. The project will provide moderate natural resource benefits.

6. The project will provide nuisance-related flooding reduction benefits.
7. The project will provide some multiple use benefits.
8. The project will utilize maximum outside (non-WMB or Applicant cost share) funding.
9. The project proposes moderate public education and outreach components for reducing phosphorus.

This project received bonus credits for proposing a cost-share greater than the required minimum 50% of the estimated total project cost.

SMC staff **RECOMMENDS** WMB funding for Loon Lakes Management Association Natural Resources project in the amount of \$18,000.

5. **Grand Dominion Clemson Leveler Project.** The Grand Dominion by Del Webb submitted this project application for a project with an estimated cost of \$20,420, of which \$10,510 is the applicant's share. The amount requested from WMB is \$9,910. The proposed project scope of work includes installing a Clemson Leveler pipe that breaches an existing beaver dam on the property and connect and drain two adjacent wetlands to their original water levels in a manner that will not trigger further damming response from the beaver. Doing so will alleviate the current elevated water surface and restore flood storage capacity. As such, the proposed project will have flood hazard reduction, and multiple use benefits.

Project evaluation:

1. The project will provide minimal inter-jurisdictional benefits.
2. The project will provide moderate flood hazard reduction benefits.
3. The project will provide structural damage reduction benefits.
4. The project will provide moderate water quality benefits.
5. The project will provide some natural resource benefits.
6. The project will provide some nuisance-related flooding reduction benefits.
7. The project will provide moderate multiple use benefits.
8. The project will utilize moderate outside (non-WMB or Applicant cost share) funding.
9. The project proposes moderate public education and outreach components for reducing phosphorus.

This project received bonus credits for proposing a cost-share greater than the required minimum 50% of the estimated total project cost.

SMC staff **RECOMMENDS** WMB funding for the Grand Dominion Clemson Leveler project in the amount of \$9,910.

6. **Lake Napa Suwe Improvement Project.** The Lake Napa Suwe Association submitted this project application. The estimated project cost is \$19,000, of which \$9,750 is the applicant's share. The amount requested from WMB is \$9,350. The proposed project scope of work includes shoreline stabilization and regrading of approximately 100 linear feet of Lake Napa Suwe. The scope also includes replacing the boards for the existing water control structure as well as removing phragmites and other invasive species and introducing native species in their place. The proposed project will benefit multiple jurisdictions and help with water quality.

Project evaluation:

1. The project will provide moderate interjurisdictional benefits.
2. The project will provide minimal flood hazard reduction benefits.
3. The project will provide structural damage reduction benefits.
4. The project will provide some water quality benefits.
5. The project will provide some natural resource benefits.

6. The project will provide minimal nuisance-related flooding reduction benefits.
7. The project will provide some multiple use benefits.
8. The project will utilize moderate outside (non-WMB or Applicant cost share) funding.
9. The project proposes maximum public education and outreach components for reducing phosphorus.

This project received bonus credits for proposing a cost-share greater than the required minimum 50% of the estimated total project cost.

SMC staff does **NOT RECOMMEND** WMB funding for Lake Napa Suwe Improvement Project.

7. **Jackson Avenue Bioswale & Spillway Improvement Project.** The Village of Wauconda Public Works submitted this project application. The estimated project cost is \$103,025, of which \$63,025 is the applicant's share. The amount requested from WMB is \$40,000. The proposed project scope of work includes renovating an existing bioswale and reinstalling a concrete spillway because the bioswale alone has been unable to handle large storm events. The proposed project has nuisance flood reduction benefits.

Project evaluation:

1. The project will provide some interjurisdictional benefits.
2. The project will provide some flood hazard reduction benefits.
3. The project will not provide structural damage reduction benefits.
4. The project will provide some water quality benefits.
5. The project will provide minimal natural resource benefits.
6. The project will provide moderate nuisance-related flooding reduction benefits.
7. The project will not provide multiple use benefits.
8. The project will not utilize outside (non-WMB or Applicant cost share) funding.
9. The project proposes some public education and outreach components for reducing phosphorus.

This project received bonus credits for proposing a cost-share greater than the required minimum 50% of the estimated total project cost.

SMC staff does **NOT RECOMMEND** WMB funding for the Jackson Avenue Bioswale & Spillway Improvements Project but has forwarded this project to the SMC Executive Director for consideration for Stormwater Infrastructure Repair Fund (SIRF) funding.

If you have any questions regarding these projects, please contact Michelle Pope at (847) 377-7730 or mpope@lakecountyil.gov.

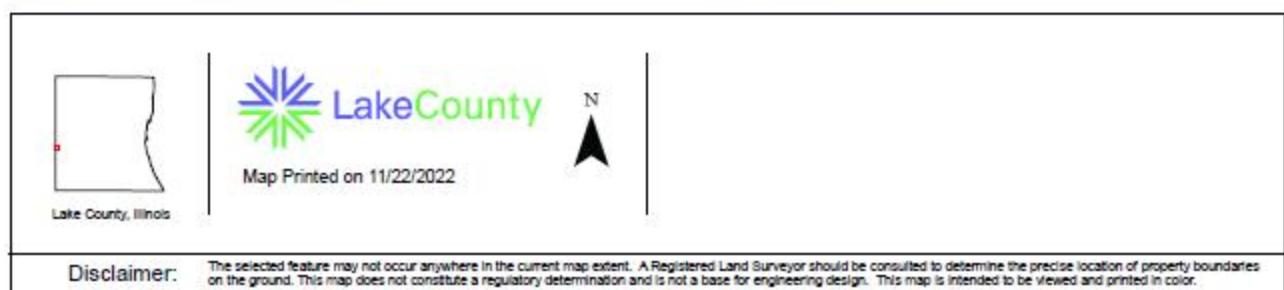
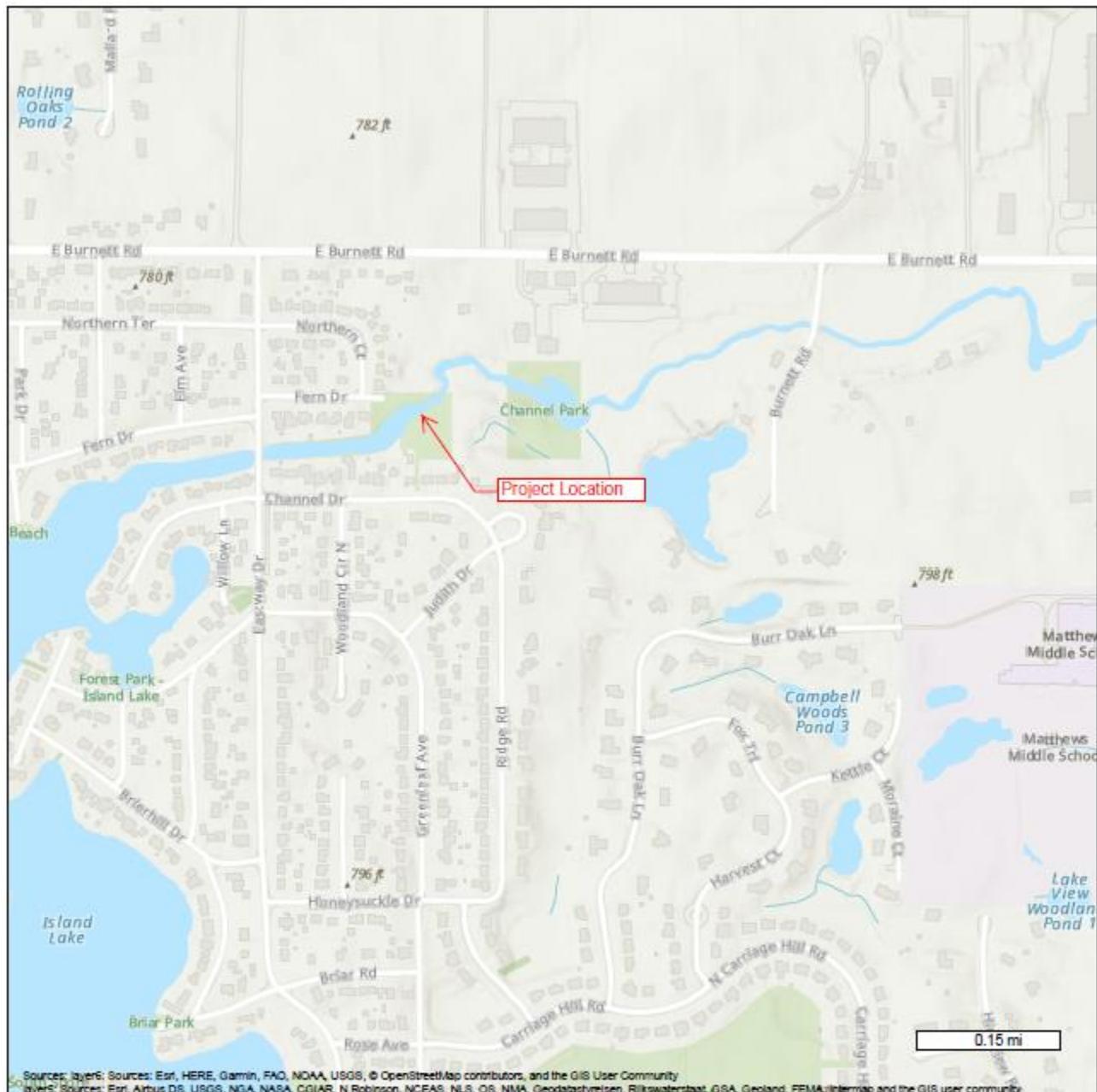
WMB Funding Evaluation – Fox River Watershed

Fox River Watershed			Grand Dominion Clemson Leveler		Channel Park Buffer Installation		Jackson Ave Bioswale & Spillway Improvements		Lake Napa Suwe Improvement Project		Loon Lakes Management Association Natural Resources Project		Manitou Creek Beaver Conflict Management and Stream Maintenance		Marine Drive Shoreline Improvements		Watershed Total
			Grand Dominion by Del Webb		Village of Island Lake		Village of Wauconda		Lake Napa Suwe Association		Loon Lakes Management		Manitou Creek Drainage District		Grant Township Highway Department		
Rank	Prioritization Criteria	Max. Possible Weight	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	
1	Interjurisdictional benefits	25	1	25	3	75	2	50	3	75	3	75	4	100	3	75	
2	Flood hazard reduction benefits	20	3	60	2	40	2	40	1	20	1	20	2	40	3	60	
3	Structural damage reduction	15	1	15	1	15	0	0	1	15	1	15	1	15	3	45	
4	Water quality benefits	15	3	45	3	45	2	30	2	30	3	45	2	30	2	30	
5	Natural resource benefits	10	2	20	4	40	1	10	2	20	3	30	2	20	2	20	
6	Nuisance flood reduction	5	2	10	2	10	3	15	1	5	1	5	2	10	2	10	
7	Multiple use benefits	5	3	15	3	15	0	0	2	10	3	15	3	15	3	15	
8	Outside funding utilization	5	3	15	3	15	0	0	3	15	5	25	4	20	0	0	
9	Phosphorus public education component	5	3	15	4	20	2	10	5	25	3	15	3	15	3	15	
	Bonus Credit: Critical facilities	5	0	0	0	0	0	0	0	0	0	0	0	0	5	5	
	Bonus Credit: Greater than 50% non-SMC cost-share	5	1	1	1	1	3	3	3	3	5	5	1	1	0	3	
	Bonus Credit: Project in Environmental Justice Area	5	0	0	5	5	0	0	0	0	0	0	5	5	0	0	
	Bonus Credit: Measure Recommended in a SMC-adopted watershed management plan	5	5	5	5	5	0	0	0	0	5	5	5	5	0	0	
	HOA Bonus Credit: Current Stormwater BMP implementation	5	5	5	0	0	0	0	5	5	5	5	0	0	0	0	
Weighted Score Total (Minimum score >210 required for funding)				231		286		158		223		260		276		278	
Total project cost				\$20,420		\$20,600		\$103,025		\$19,000		\$140,000		\$38,857.25		\$46,460	\$ 388,362
Applicant in-kind hours				24		24				50				185		24	307
Applicant cost share				\$10,510		\$11,747.50		\$63,025		\$9,750		\$122,000		\$21,142.25		\$23,230	\$ 261,405
Applicant's WMB funding request				\$9,910		\$8,802.50		\$40,000		\$9,350		\$18,000		\$16,215		\$23,230	\$ 125,508
Applicant's request for SMC in-kind hours				\$23,730						8						8	
*Total Available Funds for the watershed																	
Staff recommendation for watershed funding																	
Staff recommendation for SMC in-kind hours																	
				40		40						40			40		160

*Funds Available does not include unallocated funds transfers from other watersheds.

Rating: 0=no effect, 1=minimal effect, 2=below average effect, 3=average effect, 4=above average effect, 5=maximum effect practicable

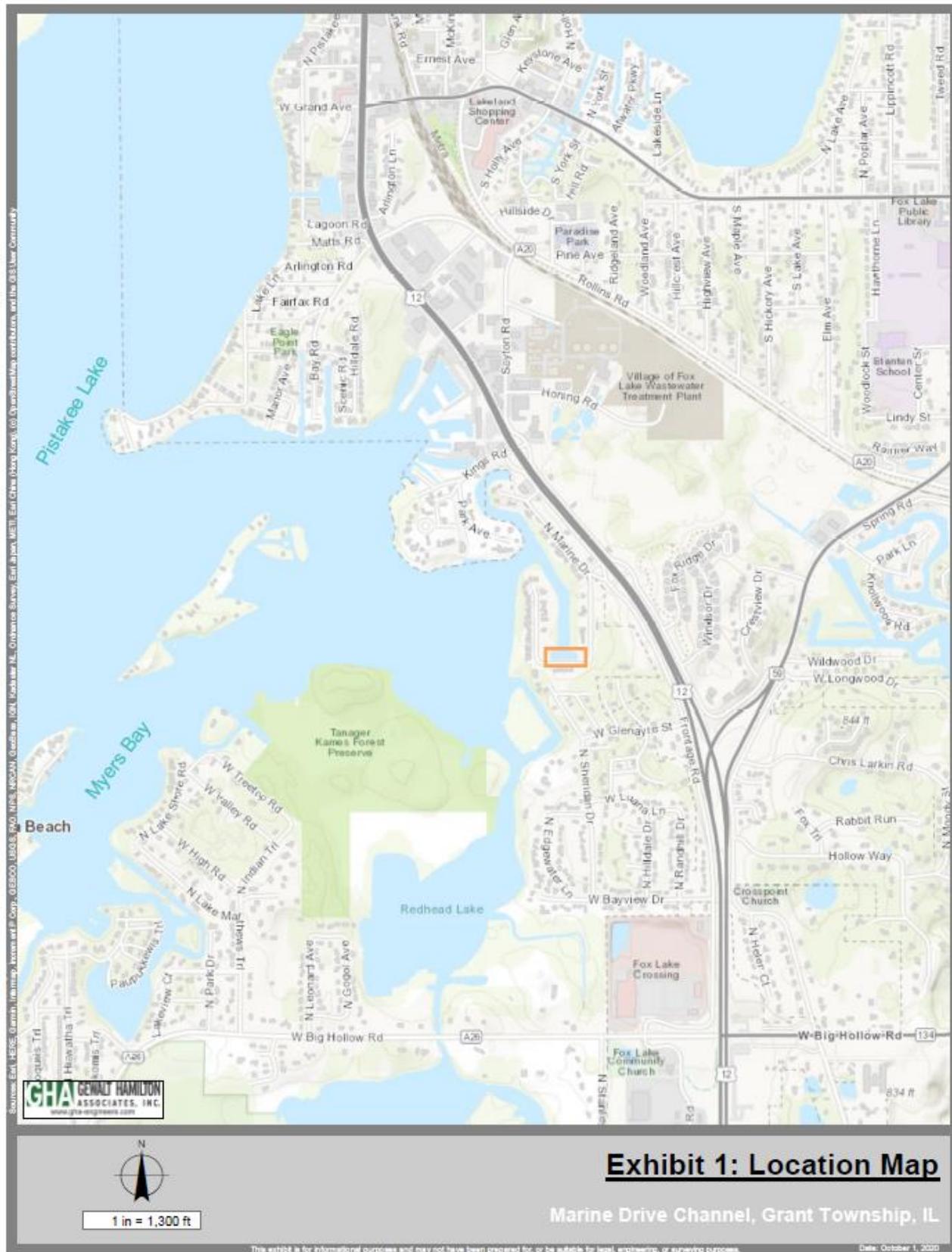
Project Location: Channel Park Buffer Installation, Island Lake



Channel Park Buffer Installation Project



Project Location: Marine Drive Shoreline Improvement Project, Unincorporated Fox Lake



Marine Drive Shoreline Improvement Project

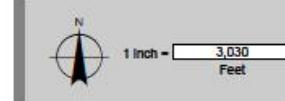
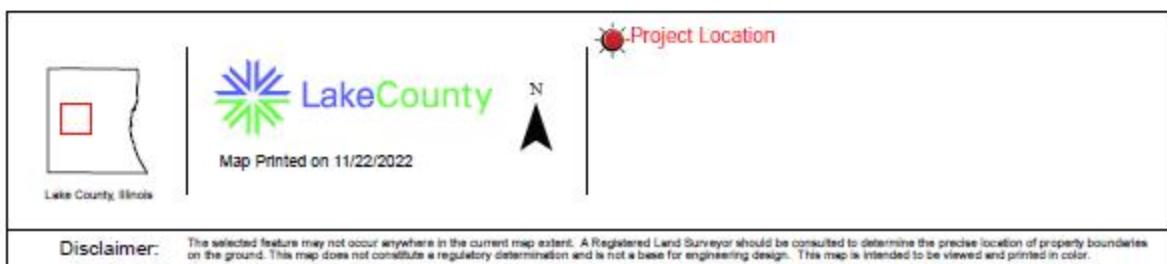
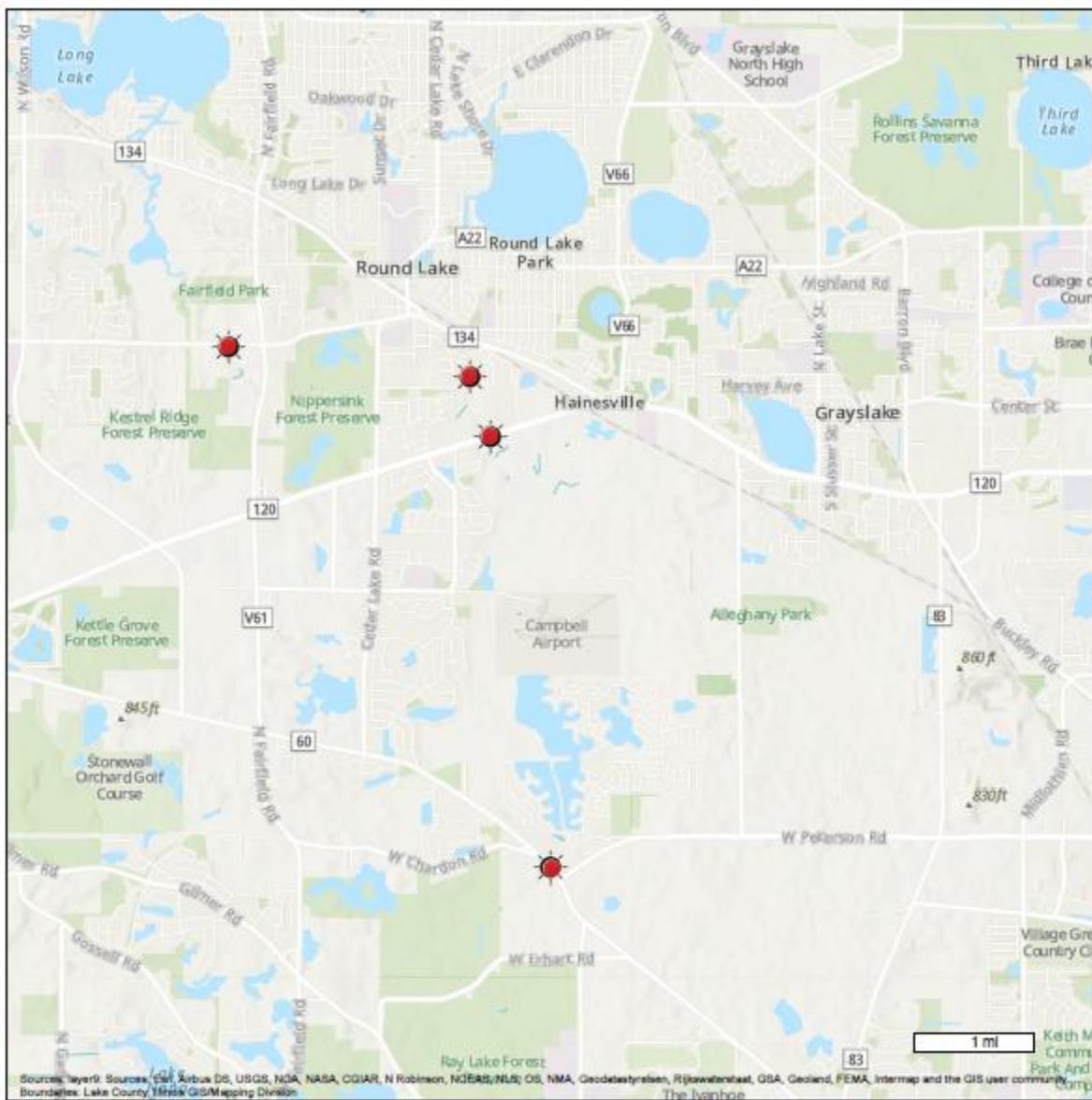
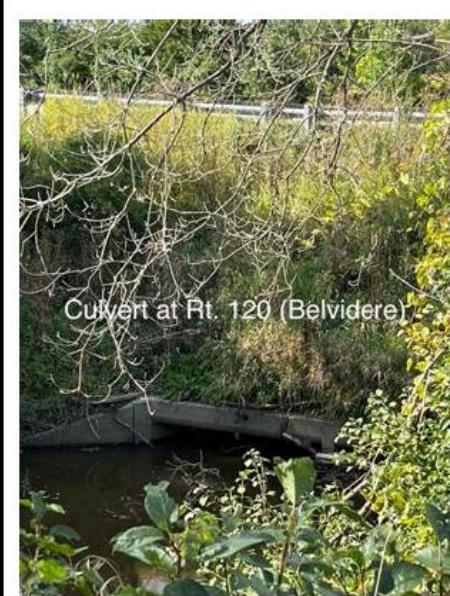
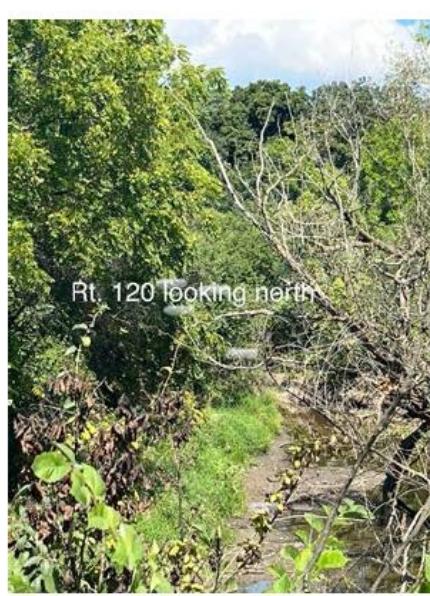
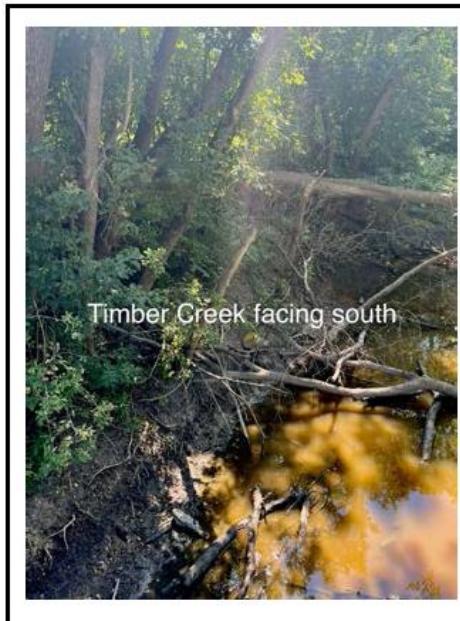


Exhibit 2 : Proposed Wetland Impact
Marine Drive, Grant Township, IL

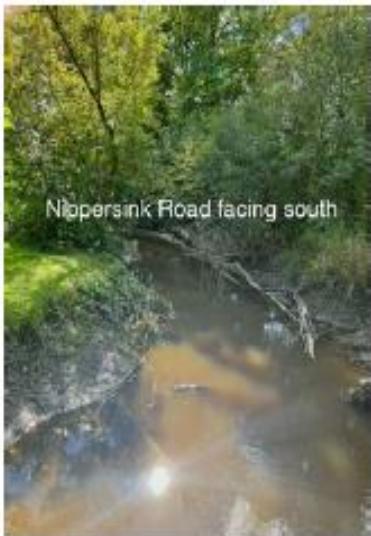
Project Location: Manitou Creek Beaver Conflict Management Project, Multi-Jurisdictional



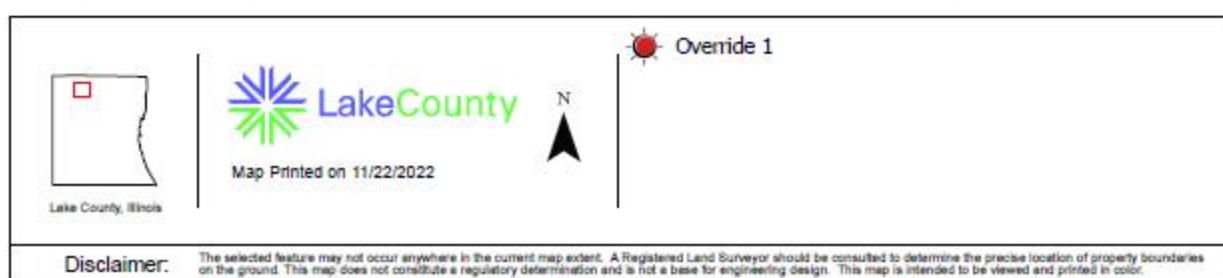
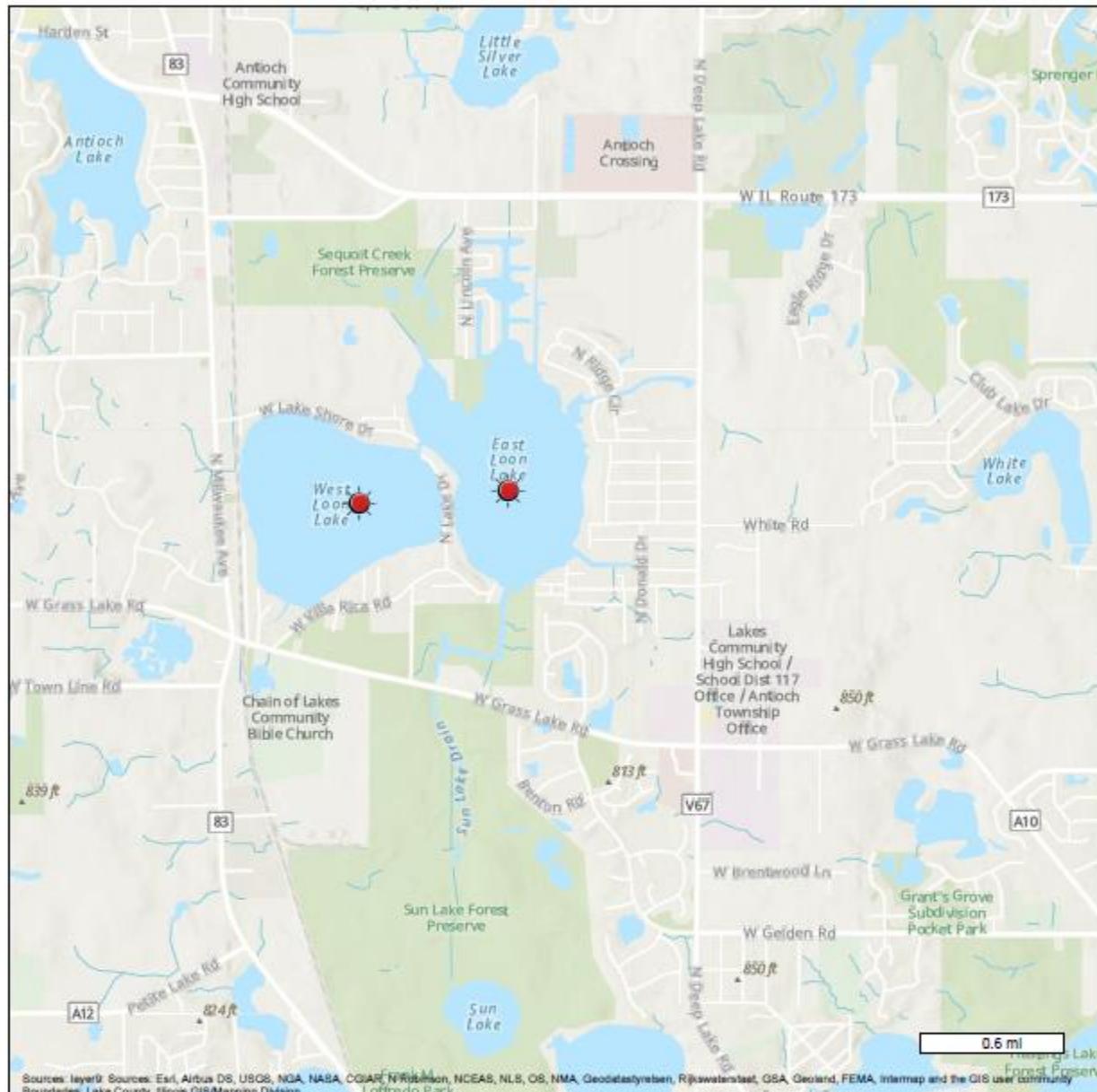
Manitou Creek Beaver Conflict Management Project



Manitou Creek Beaver Conflict Management Project, Continued



Project Location: Loon Lakes Management Association Natural Resources Project, Unincorporated Antioch

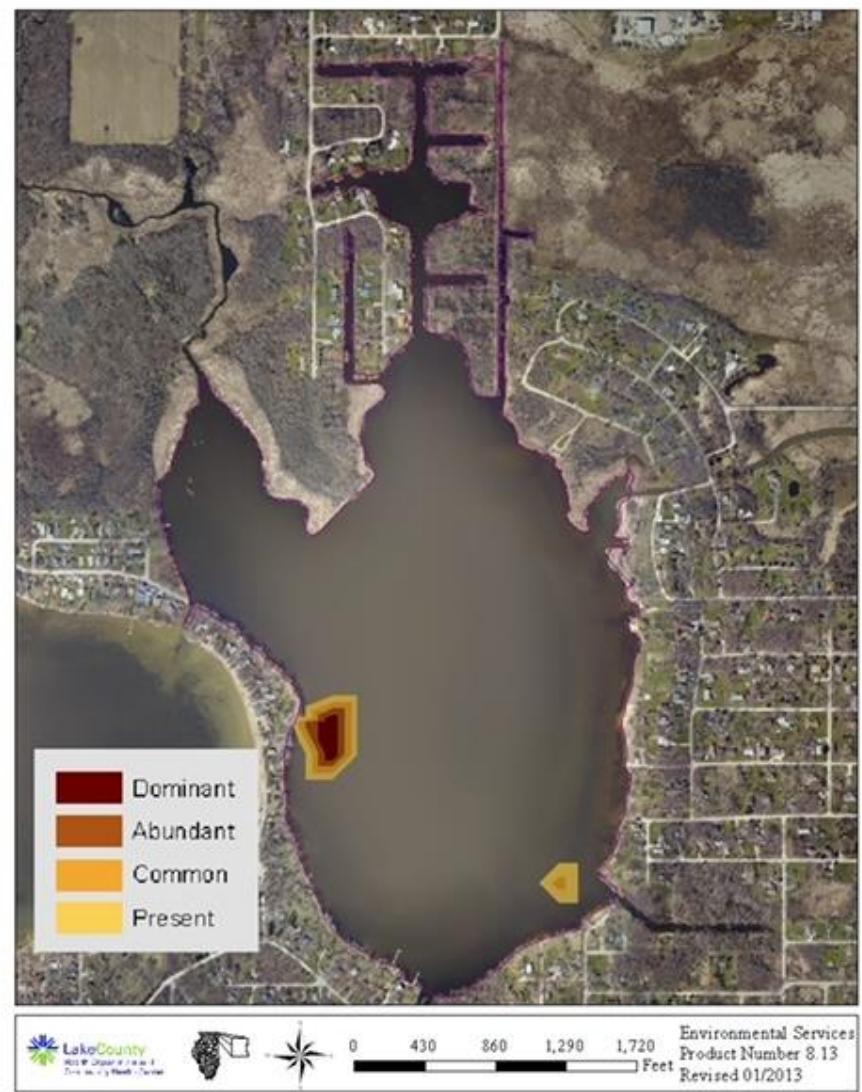


Loon Lakes Management Association Natural Resources Project

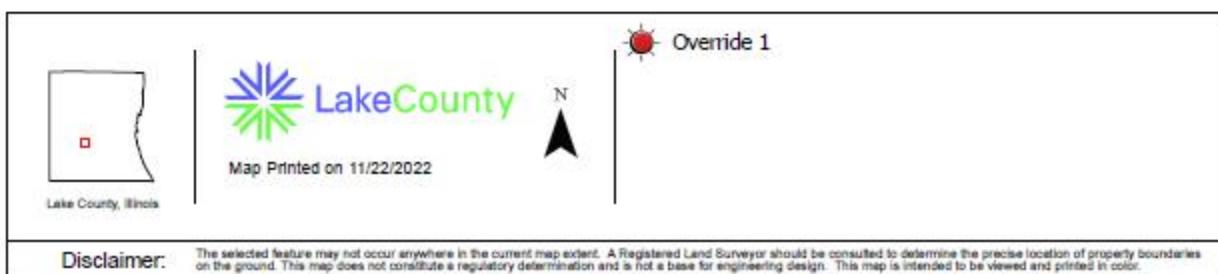
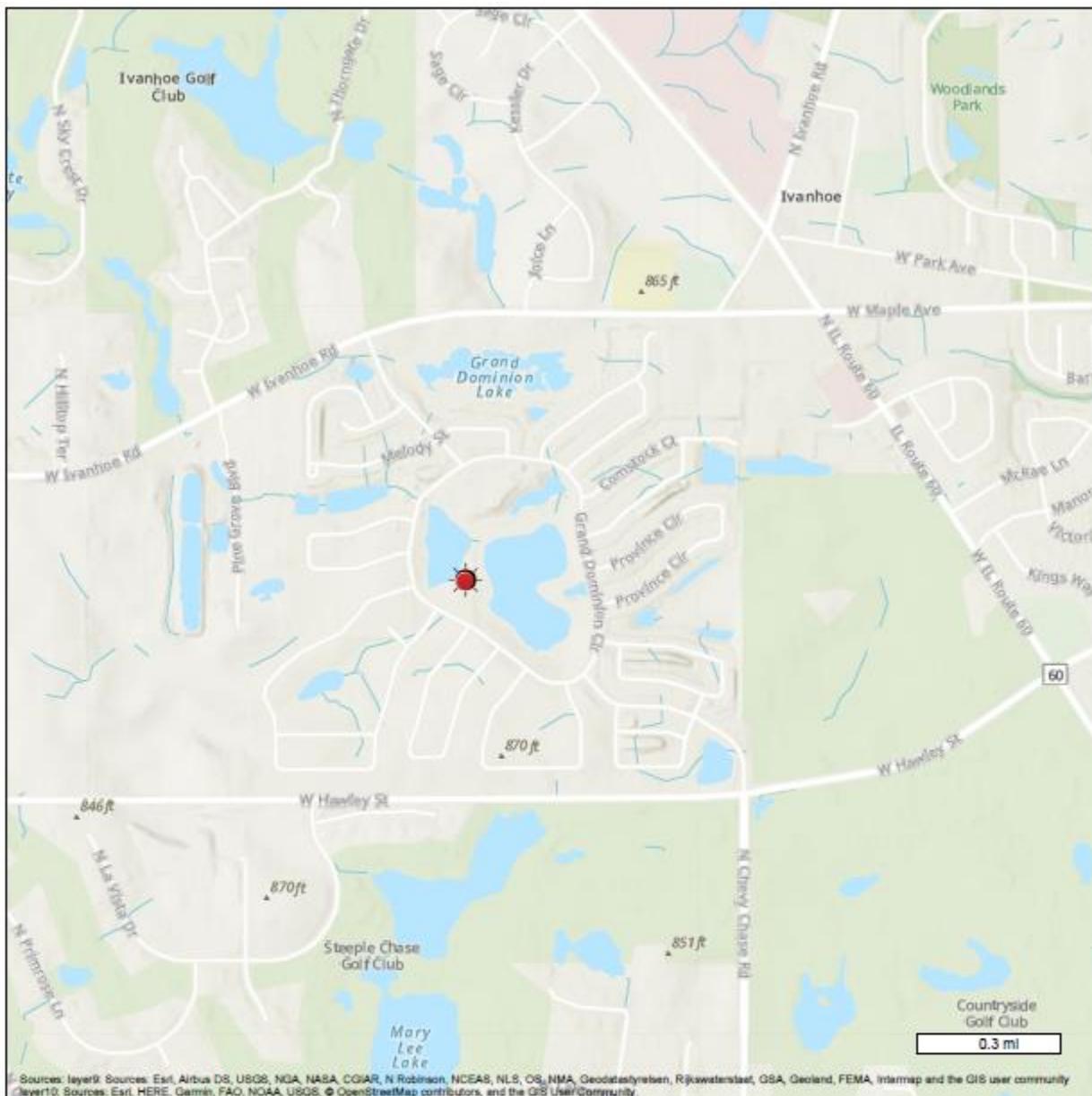
West Loon Lake EWM Density July, 2012



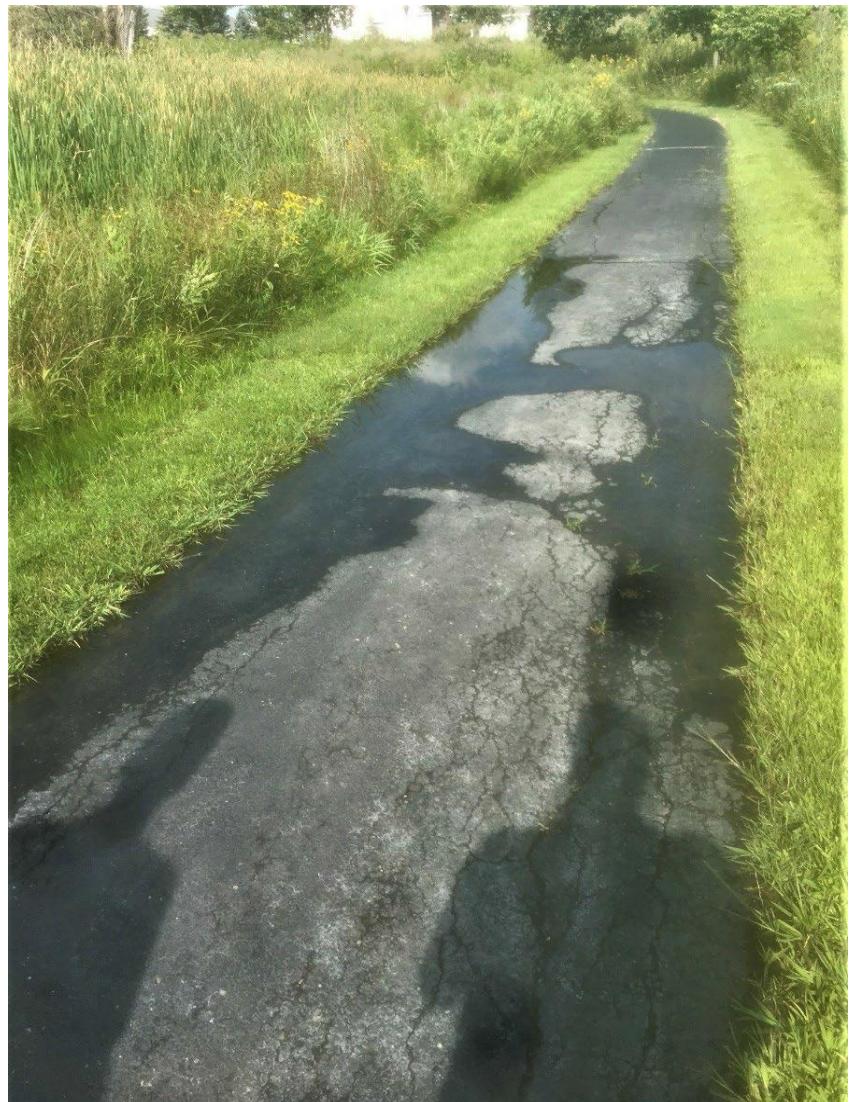
2013 East Loon Lake EWM Survey



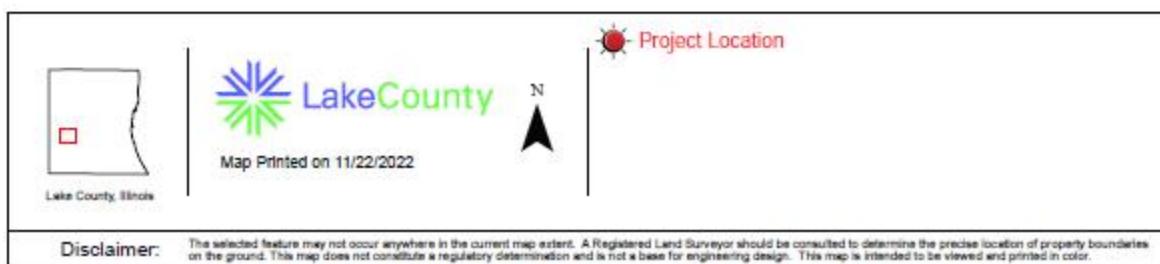
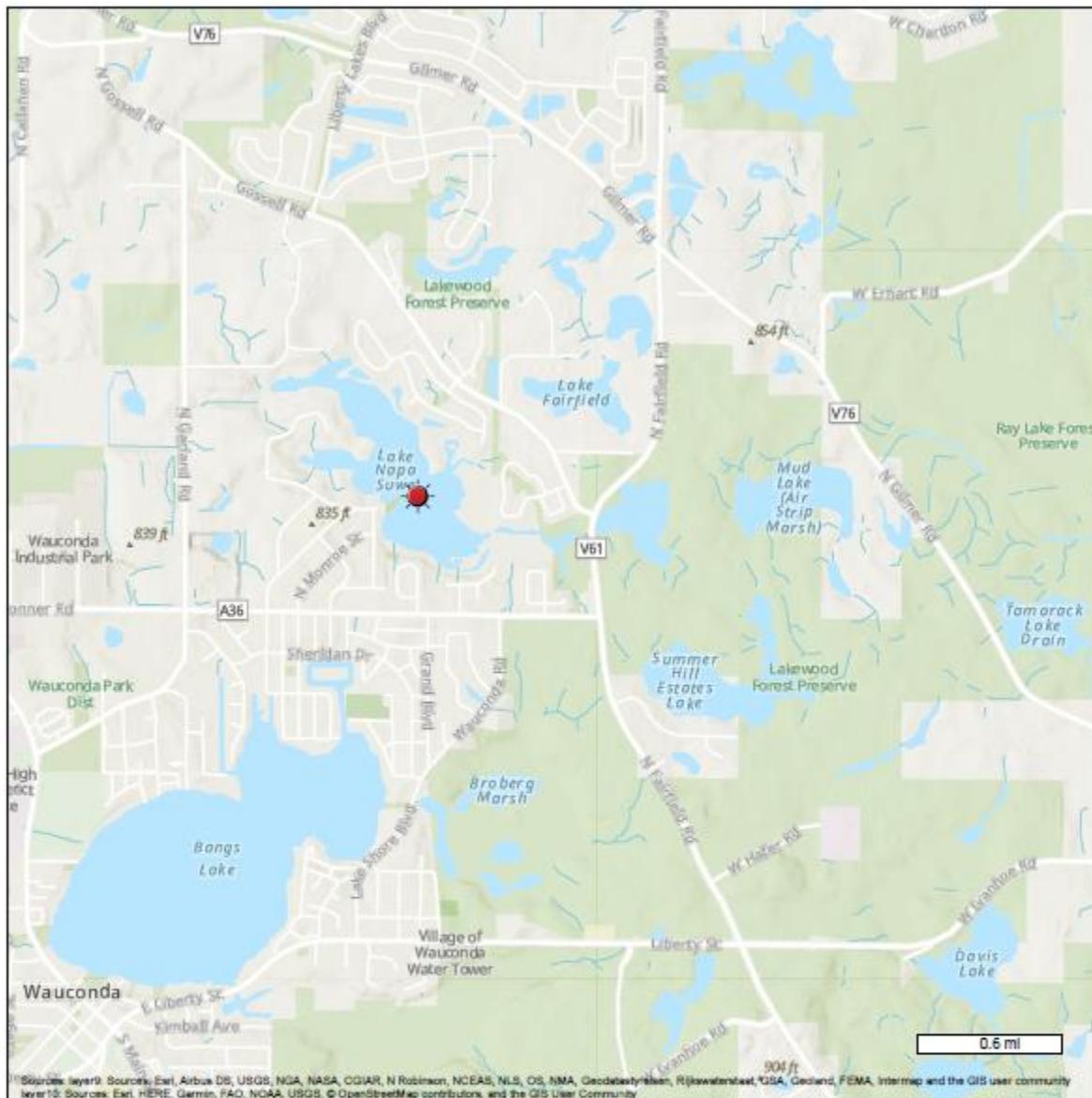
Project Location: Grand Dominion Clemsen Leveler Project, Mundelein



Grand Dominion Clemsen Leveler Project



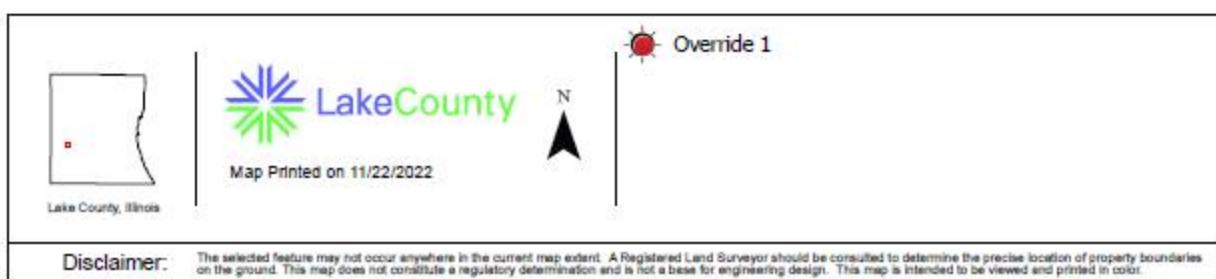
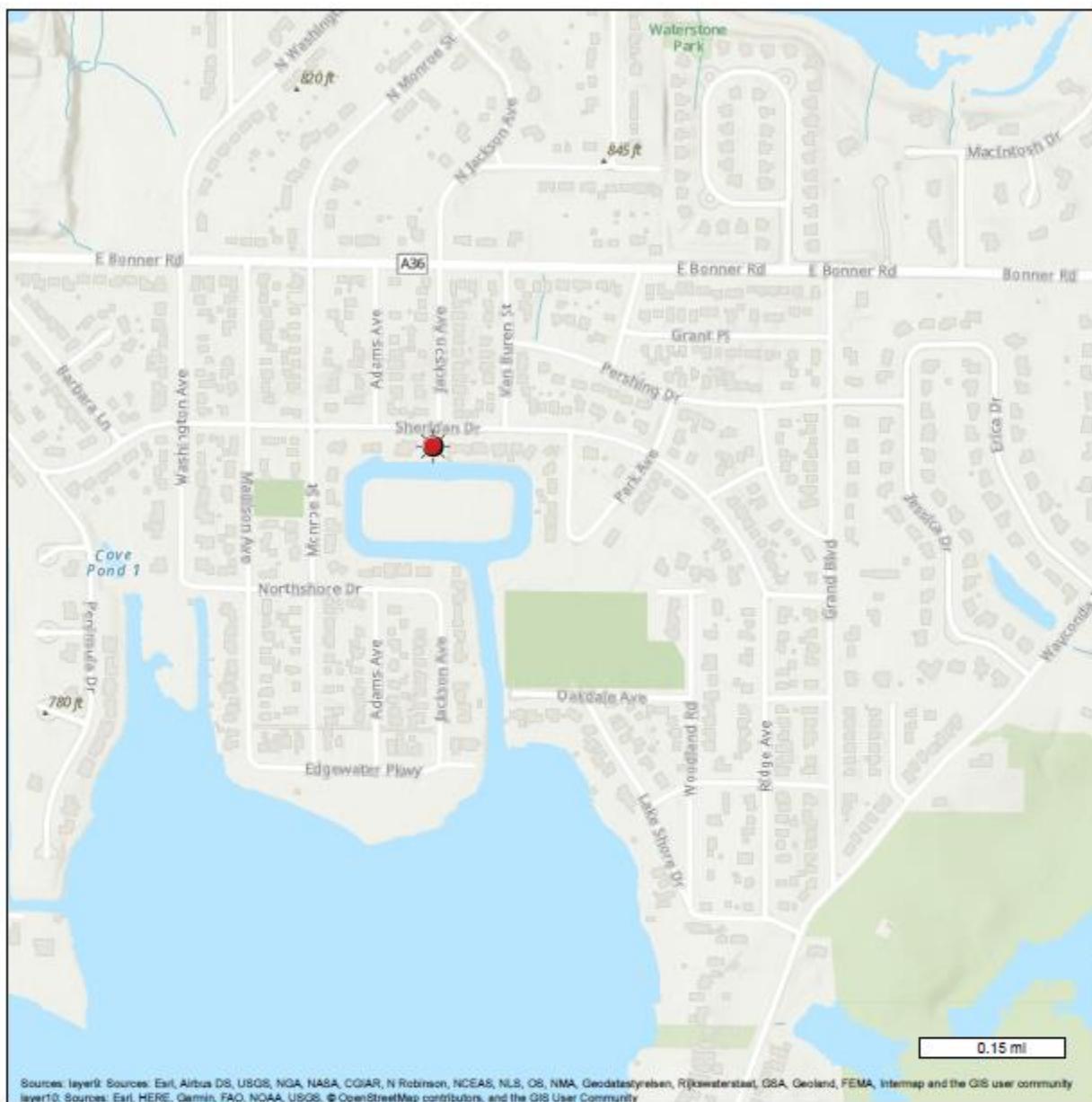
Project Location: Lake Napa Suwe Improvement Project, Wauconda



Lake Napa Suwe Improvement Project



Project Location: Jackson Avenue Bioswale & Spillway Improvement Project, Wauconda



Jackson Avenue Bioswale & Spillway Improvement Project.





MEMORANDUM

November 23, 2022

To: Lake Michigan Watershed Management Board
From: Kelcey Traynoff, Regulatory Supervisor
Re: FY2023 WMB Grant – Funding Recommendations for Projects in the Lake Michigan Watershed

SMC received one application for projects in the Lake Michigan Watershed, with a total project cost of at least \$36,160 and requested funding in the amount of \$18,080. The available funding for projects in the Lake Michigan Watershed for Fiscal Year 2023 is \$18,080. SMC staff recommends funding the received project. The attached table, "WMB Funding Evaluation-Lake Michigan Watershed," provides the SMC staff evaluation of submitted application based on the following prioritization criteria:

1. **Interjurisdictional Benefits** — Benefit multiple jurisdictions (government entities, HOAs, not-for-profits), will have interjurisdictional impacts, and/or will benefit the major "trunk"/regional scale drainage system of the watershed. ("Trunk" defined as that part of the drainage system that drains more than 100-acre drainage areas and has the potential to have inter-jurisdictional impacts.)
2. **Flood Hazard Reduction Benefits** — Have beneficial results or impacts, including non-transportation related flood hazard reduction, during flood events up to and including 100-year events. (A 100-year event being a flood event with the probability of occurrence in any given year of 1%.)
3. **Structural Damage Reduction** — Mitigate structural damages due to floods and other stormwater related causes with consideration of the number of structures affected including, but not limited to, removing, elevating, flood-proofing or otherwise protecting buildings from future danger of flood damage or structural damage related to flood-induced erosion. Also, these criteria include Lake Michigan Watershed specific mitigation of damages due to stormwater, flood and wave induced problems on bluff, ravine, and lakeshore areas.
4. **Water Quality Benefits** — Reduce surface water quality impairments utilizing best management practices.
5. **Natural Resource Benefits** — Benefit the environment with an emphasis on non-structural natural resource protection strategies.
6. **Nuisance Flood Reduction** — Alleviate major nuisance flooding and/or blocked transportation access.
7. **Multiple Use Benefits** — Provide multiple-use benefits to communities such as recreation, public education, data collection or others.
8. **Outside Funding Utilization** — Utilize federal, state, and/or other private funding to the maximum extent possible.
9. **Phosphorus Public Education Component** — Include a public education and outreach effort aimed at reducing the amount of phosphorus contained in stormwater runoff. This may include reducing the amount of fertilizer applied to lawns, using phosphorus-free fertilizers, and establishing buffer strips along

lake shores, stream banks, and wetlands. Applicants may also choose to adopt an ordinance banning the use of fertilizers and detergents containing phosphorus.

SMC staff also awarded bonus credit to those applications satisfying the following five WMB-approved criteria:

- Projects that protect or alleviate structural damages to critical facilities.
- Projects for which the applicant's share of the estimated total project cost exceeds 50%.
- Projects located within an Environmental Justice Area.
- Projects containing measures recommended in an SMC-adopted watershed plan.
- HOAs that document they are currently implementing stormwater best management practices.

The following summary describes the application received relative to the nine WMB prioritization criteria. The SMC staff funding recommendation follows:

1. **Tangley Oaks Feasibility Study and Report for Drainage Improvements.** An application was submitted by the Lake County Stormwater Management Commission requesting \$18,080 from the WMB. The proposed project scope includes the development of a feasibility report, which will detail the practicality of flood mitigation options for Pond 3 overtopping within the Tangley Oaks Subdivision in Lake Bluff. The proposed study will help to identify options to reduce nuisance flooding, structural damage, and hazards from flooding.

Project evaluation:

1. The project will provide inter-jurisdictional benefits.
2. The project will provide significant flood hazard reduction benefits.
3. The project will provide significant structural damage reduction benefits.
4. The project will provide minimal water quality benefits.
5. The project will provide minimal natural resource benefits.
6. The project will provide significant nuisance-related flood reduction benefits.
7. The project will not provide multiple use benefits.
8. The project will not utilize outside funding.
9. Public education and outreach on reducing phosphorus loads is not proposed.

SMC staff **RECOMMENDS** WMB funding for the Tangley Oaks Feasibility Study and Report for Drainage Improvements project in the amount of \$18,080.

If you have any questions regarding these projects, please contact Kelcey Traynoff at (847)-377-7711 or ktraynoff@lakecountyil.gov.

FY23 WMB Funding Evaluation – Lake Michigan Watershed

Lake Michigan Watershed			Tangley Oaks Feasibility Study for Drainage Improvements		
Rank	Prioritization Criteria	Max. Possible Weight	Rating	Score	
1	Interjurisdictional benefits	25	3	75	
2	Flood hazard reduction benefits	20	4	80	
3	Structural damage reduction	15	4	60	
4	Water quality benefits	15	1	15	
5	Natural resource benefits	10	2	20	
6	Nuisance flood reduction	5	4	20	
7	Multiple use benefits	5	0	0	
8	Outside funding utilization	5	0	0	
9	Phosphorus public education component	5	0	0	
	Bonus Credit: Critical facilities	5	0	0	
	Bonus Credit: Greater than 50% non-SMC cost share	5	0	0	
	Bonus Credit: Environmental Justice Area	5	0	0	
	Bonus Credit: Measure recommended in SMC adopted Watershed Management Plan	5	0	0	
	Bonus Credit: Current HOA stormwater BMP implementation	5	0	0	
Weighted Score Total (Minimum score greater than 210 required for funding)				270	
Total project cost			\$36,160 (min)		
Applicant in-kind hours			100		
Applicant cost share			\$0		
Applicant's WMB funding request			\$18,080		
Applicant's request for SMC in-kind hours			100		
Total Available Funds for the watershed =		\$18,080			
Staff recommendation for watershed funding			\$18,080		
Staff recommendation for SMC in-kind hours			100		

Project Location. Tangley Oaks Subdivision

