

DES PLAINES RIVER WATERSHED PLAN COMMITTEE MEETING SUMMARY

LAKE COUNTY CENTRAL PERMITTING FACILITY
500 W. WINCHESTER ROAD, LIBERTYVILLE, IL 60048
WEDNESDAY, OCTOBER 23, 2019 * 10:00 AM – 11:00 AM

1. Introductions

Mike Prusila, Planning Supervisor, Lake County Stormwater Management Commission (SMC) led self-introductions for the October 23, 2019 Des Plaines River Watershed Plan Committee Meeting.

2. Plan Committee Purpose:

Mike Prusila started the plan committee meeting by highlighting the purpose of starting a Des Plaines River watershed plan committee and what outcomes the plan committee hopes to achieve. The plan committee will evaluate the watershed's progress in implementing the Des Plaines River Watershed-Based Plan. Evaluating the plan (through a watershed scorecard) is critical to measuring the success plan implementation. SMC staff and many watershed stakeholders/entities spent input time and effort to complete the 2018 Des Plaines River Watershed-Based Plan. It is important that plan implementation through projects, programs, etc... be evaluated to ensure implementation efforts are being continued. Another goal of this plan committee is to provide coordination on watershed project implementation and a forum to discuss stakeholder projects and announcements. Ultimately, the information shared, and data evaluated will translate to the update of the next Des Plaines River Watershed-Based Plan update. Mike did note that this plan committee is an ad hoc committee that will not require a formal membership process (or dues) and its meetings will be open to the public. This committee is not a part of the Des Plaines River Watershed Workgroup (DRWW) but many of its members (including today's meeting) are interested in participating in this effort.

Mike mentioned that 31 communities in the Des Plaines River watershed have adopted the 2018 watershed-based plan, aligning with the after-plan completion top ten actions outlined in the watershed plan. By holding a plan committee meeting, the watershed is also fulfilling another action item for determining a lead watershed organization to guide watershed implementation and municipalities and counties working collaboratively and proactively to mitigate flood problem areas.

3. Overview of Des Plaines River Watershed Scorecard

Ashley Strelcheck, Water Resource Professional, SMC introduced an initial evaluation of Watershed Plan implementation using the milestone scorecard included in the plan. This purpose of the scorecard is to evaluate progress in implementing the plan. The scorecard is a direct reflection of the goals, objectives and indicators created during the umbrella watershed planning process. During the initial evaluation of the short term (Years 1-4) measurable milestones, SMC staff found it difficult to assign metrics or grades to many of the milestones (at least 50%) for several reasons, including: lack of staff capacity to compile the metrics from different databases/sources of information, limited access to metrics/data, and not knowing all the appropriate agencies/entities to access some information. SMC's initial evaluation relied on known data sources such as funding programs SMC is associated with, SMC's data access (i.e. distribution lists, workshops hosted, public domain data, etc...).

Des Plaines River Watershed-Based Plan Resources

- a. 2018 Des Plaines River Watershed-Based Plan: <http://www.lakecountyil.gov/DocumentCenter/View/22641>
- b. Action Plan Web Application: <https://lakecountyil.maps.arcgis.com/apps/webappviewer/index.html?id=4bec638a6b8f471eb4e7c3dee717f042>

Several agencies (Lake County Health Department, DRWW, McHenry-Lake Soil & Water Conservation District) were mentioned to possibly having up-to-date data/information pertaining to several metrics. A necessary task to complete the scorecard identified from this initial evaluation (and indicated in the watershed-based plan) is reaching out to communities (local jurisdictions) in the watershed for information. Without this information, the metrics entered the scorecard are limited due to a lack of complete information. SMC suggested possibly utilizing an existing survey (Municipal Separate Storm Sewer Systems survey) or creating a new community survey to send out to communities to help provide scorecard metrics and information.

Meeting Attendee Suggestions:

- Possibly utilize different surveys based on the scorecard questions and tailoring the survey and its questions to the audience that will provide the answers (i.e. Transportation, Public Works, or Village Engineers, etc...).
- Research other watershed planning efforts (agencies) on effective methods of reaching out to the public or communities for information.
- Checking federal or state database systems for additional information on obtaining metric information.

4. Watershed Coordination and Announcements

The purpose of this agenda item is to provide stakeholders a forum for discussion on watershed issues or announcement and project coordination. SMC envisions this section evolving with a potential steering committee (see next section) and providing multi-jurisdictional coordination for implementing action plan recommendations.

SMC presented several Illinois Environmental Protection Agency Section 319 grant projects (that SMC is involved with) and awarded Watershed Management Board grant projects (see PowerPoint presentation attached).

5. Des Plaines River Watershed Plan Steering Committee

SMC presented the idea of a potential watershed steering committee to the meeting attendees. As stated above, SMC envisions the steering committee to aid in finding the direction the plan committee will take. SMC asked for watershed volunteers to join the watershed steering committee; looking for a few representatives of local agencies, communities or individuals. Several meeting attendees and local stakeholders not attending the meeting volunteered for the steering committee (see below).

Steering Committee Volunteers:

1. SMC Staff: Mike Prusila, Ashley Strelcheck and Jacob Jozefowski
2. Sierra Club: Chris Johnson, Rosemary Heilemann
3. North Shore Water Reclamation District/DRWW: Joe Robinson (Monitoring Committee), Rob Flood (Lakes Committee)
4. Diamond Lake Preservation Alliance: Catherine Shannon
5. Residents: Don Wilson
6. The Arlington Club Condominiums: David Wild
7. Hey & Associates, Inc.: Kirsten James
8. Village of Libertyville: Fred Chung

- 9. Buffalo Creek Clean Water Partnership: Jeff Weiss
- 10. Libertyville Township / Bull Creek – Bulls Brook Subwatershed Council: Kathleen O’Connor

6. Next Steps

TBD by Steering & Plan Committee, Next Meeting: Spring 2020

Meeting Attendees:

Last Name	First Name	Organization
Adam	Mike	Lake County Health Department
Burke	Caitlin	Gewalt Hamilton
Chung	Fred	Village of Libertyville
Claws	Greg	Congressmen Brad Schneider
DeMartini	Ray	Grand Dominion Wetland Community
Dodd	Alicia	Fremont Township
Dorn	Brian	North Shore Water Reclamation District
Facchini	Marc	Village of Lincolnshire
Flood	Rob	North Shore Water Reclamation District
Frank	Charles	Sierra Club
Hickory	Arlene	Citizens Act to Protect Our Water
Huaracha	Ernesto	Lake County Stormwater Management Commission
Huber	Nick	Lake County Forest Preserve District
James	Kirsten	Hey and Associates Inc.
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Johnson	Chris	Sierra Club
Lisette	Ray	Arlington Club Condo Association
Melara	Alvaro	Congressmen Brad Schneider
Miller	Diane	Lake County University of Illinois Extension Master Gardeners
Morthorst	Tom	Village of Third Lake
Prusila	Mike	Lake County Stormwater Management Commission
Robinson	Joe	North Shore Water Reclamation District
Shannon	Catherine	Diamond Lake Preservation Alliance
Sobol	Fred	Resident
Stelcheck	Ashley	Lake County Stormwater Management Commission
Sweeny	Ross	Resident
Thompson	Bob	Grand Dominion, Lake County
Tilton	Steve	Sierra Club
Tilton	Linda	Sierra Club
Vella	Steve	Village of Libertyville
Walter	Pat	Citizens Act to Protect Our Water
Werner	Patty	Resident
Wild	David	The Arlington Club Condo Association
Wilson	Don	Resident

Des Plaines River Watershed-Based Plan Scorecard Evaluation

Scoring Criteria	A = Met or exceeded milestone(s)	D = Milestone(s) 25% complete	N/D = No Data		
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OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE <i>June 2018 is used as the baseline for scorecard</i>	GRADE	COMMENTS <i>(bold text indicates suggestions for tracking indicator)</i>
1a	Watershed stream annual monitoring program support. Goal #1 Actions 1-4	S	Continue water quality monitoring through DRWW monitoring program	A	Monitoring is ongoing.
		M			
		L			
	Implementation of watershed monitoring program for lakes. Goal #1 Actions 5-7	S	1. Enroll 15 lakes in the Volunteer Lake Monitoring Program (VLMP)	ND	Ask LCHD LMU
			2. Install staff gages		
			3. Begin Lake inlet water quality monitoring		
		M	1. Enroll 30 lakes in the Volunteer Lake Monitoring Program		
			2. Analysis of monitoring and VLMP data		
			3. Estimate/assess nutrient loads from watershed for 5 lakes with sufficient data.		
L	1. Enroll 40 lakes in the Volunteer Lake Monitoring Program				
	2. Analysis of 5-10 year water quality trends for lakes with sufficient data				
1b	Number of water bodies removed from the Illinois EPA's impairments list. Goal #1 Actions 1-10	S	2 Lakes / 1 stream segment	I/D	2018 is the most recent integrated water quality report, update when new report is released
		M	6 Lakes / 3 stream segments		
		L	30 Lakes / 6 steam segments		
	Number of causes of impairment removed. Goal #1 Actions 1-7	S	5 lakes / 2 streams	I/D	2018 is the most recent integrated water quality report, update when new report is released
		M	10 lakes / 5 streams		
		L	40 lakes / 13 streams		
1c	Winter Maintenance Program establishment including: policy and manual development, de-icing workshop attendance and certification. Goal #1 Actions 8-9	S	20% of municipal programs	A	Buffalo Grove, Ela Township, Gurnee, Lake Zurich, Libertyville, Lincolnshire, Mundelein, Hawthorn Woods, IDOT, LCDOT, Northfield Township, Prospect Heights. (57 total: 54 municipalities/townships, LCDOT IDOT and Tollway in planning area) De-icing survey, discuss how frequently this survey will be conducted.
		M	40% of municipal programs		
		L	100% of municipal programs		

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1d	Number of local units of government that adopt a phosphorous ordinance. Goal #1 Action 14	S	8	ND	Ask in community survey or review municipal code. This may be an opportunity to put into MS4 survey?
		M	20		
		L	All municipalities		
	Number of exceedances of permitted phosphorus concentrations from wastewater treatment plant effluent. Goal #1 Action 16	S	0% reduction in exceedances	ND	SMC (EH) is looking into this
		M	25% reduction in exceedances		
		L	50% reduction in exceedances		
	Number of agricultural BMPs implemented that target phosphorous. Goal #1 Action 10	S	1. 5 acres grass conversion	ND	Ask if MLSWCD/NRCS can provide data.
			2. 10 WASCOBs		
			3. 5 equestrian facility/ livestock operations		
			4. 5 grass waterways		
			5. 250 acres no-till and cover crops		
			6. 5 field borders		
		M	1) 10 acres grass conversion		
			2) 10 WASCOBs		
			3) 10 equestrian facility/ livestock operation		
			4) 10 grass waterways		
			5) 1,000 acres no-till and cover crops		
			6) 10 field borders		
L		1) 5 acres grass conversion			
		2) 10 WASCOBs			
		3) 10 equestrian facility/ livestock operations,			
		4) 10 grass waterways,			
		5) 3,000 acres no-till and cover crops			
		6) 10 field borders			
Number of upgraded septic systems. Goal #1 Action 15	S	500	ND	Ask LCHD or PB&D. Is a permit required for septic system upgrades?	
	M	1,200			
	L	2,000			

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	Number of municipalities that have codes that allow or require green infrastructure for stormwater management. Goal #1 Actions 11-13	S	8	ND	Include in community or MS4 survey. Could also review each municipalities municipal code if it is online.
		M	20		
		L	All municipalities		
1e	Number of dams and impoundments removed or retrofitted. Goal #1 Actions 17-18	S	1	A	Rasmussen lake dam has been removed. Grandwood Park dam was retrofitted but no fish passage. Community or MS4 survey
		M	2		
		L	3		
1f	Reduction in concentrations of total suspended solids (TSS). Goal #1 Action 19	S	10%	I/D	Use DRWW data summary report.
		M	20%		
		L	45%		
	Linear feet of streambank and shoreline restored. Goal #1 Action 20	S	5,000 linear ft	A	Total: 8,535 Check 319 and WMB grants. Ask Grubb School and Avon-Freemont drainage districts. Include in community survey. Ask LCFPD.
		M	15,000 Linear ft		
		L	30,000 Linear ft		
1g	Number of algae blooms reported. Goal #1 Action 21	S	Quantify baseline number of algae blooms	ND	Ask LCHD LMU. Should we remove reported algal blooms if they are reported but not problematic?
		M	10% reduction		
		L	20% reduction		
1h	Percentage of identified sources of fecal coliform addressed. Goal #1 Actions 22-24	S	Identify and quantify sources of fecal coliform pollution	I/D	Use DRWW data summary report.
		M	50% addressed		
		L	75% addressed		
1i	Concentration of PAHs detected in water quality/sediment monitoring efforts. Goal #1 Action 25	S	Identify locations of high PAH concentrations	I/D	Use DRWW data summary report.
		M	Develop a management and remedial action plan		
		L	Plan Implementation		
1j	Number of MS4 communities maintaining a database of pollution prevention plans that address emergency response to catastrophic events. Goal #1 Actions 26-27	S	10	ND	Investigate appropriate source for information.
		M	20		
		L	All		
1k	Number of action recommendations completed. Goal #1 Actions 28-43	S	50	A	Total programmatic and site specific = 61 Check 319 and WMB grants. Ask Grubb School and Avon-Freemont drainage districts. Include in community survey. Ask HOA's and LCFPD.
		M	100		
		L	All		

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2a	Number of water bodies removed from the Illinois EPA's impairments list. Goal #1 Actions 1-10	Addressed by Objective ID 1b (1)				
	Number of causes of impairment removed. Goal #1 Actions 1-7	Addressed by Objective ID 1b (2)				
	Area of open space identified and preserved for environmental and recreational natural areas. Goal #2 Actions 17-24	S	1,000 acres (in addition to 2018 baseline of 27,000 acres preserved)		F	66 acres Include in community survey. Do Land Preservation Partners of Lake County maintain this information?
		M	2,000 acres (in addition to 2018 baseline of 27,000 acres preserved)			
		L	3,000 acres (in addition to 2018 baseline of 27,000 acres preserved)			
	Acres of invasive species removal/management projects. Goal #2 Actions 28-29	S	2,500		D	929.43 acres Check 319 grants. Ask LCFPD, HOA's, park districts, drainage districts, and Openlands. Include in community survey.
		M	5,000			
L		10,000				
2b	Area of degraded natural communities restored. Goal #2 Actions 1-3, 6, 7-11, 15, 16, 23, and 25-28	S	1,000 acres		A	1,049 acres Check 319 and WMB grants. Ask LCFPD, HOA's, park districts, drainage districts, and Openlands. Include in community survey.
		M	5,000 acres			
		L	20,000 acres			
2c	Length of native plant buffers along water bodies maintained, expanded, and/or restored. Goal #2 Actions 12-13	S	10 miles		F	1.9 mi Check 319 and WMB grants. Ask LCFPD, HOA's, park districts, drainage districts, and Openlands. Include in community survey. Would forest preserve properties be included in this?
		M	20 miles			
		L	50 miles			
2d	Acres of wetlands enhanced and/or restored. Goal #2 Actions 14-15	S	500 acres		F	112 acres Check 319 and WMB grants. Ask LCFPD, HOA's, park districts, drainage districts, and Openlands. Include in community survey. Talk to SMC (GW and JEC) about wetland mitigation banks in watershed
		M	1,500 acres			
		L	3,000 acres			
2e	Area of open space identified and preserved for environmental and recreational natural areas. Goal #2 Actions 17-24	Addressed by Objective ID 2a				

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2f	Number of new trail connections. Goal #2 Action 25	S	5	B	1 new trail connection in Rollins Savanna, 1 new trail connection at CPF, may be additional trail connections at Everett Rd. Include in community survey. Ask LCFPD and LCDOT.
		M	10		
		L	20		
2g	Number of lake management plans developed to address aquatic resource trends based on lake reports. Goal #2 Action 26	S	5 plans	ND	Ask LCHD LMU
		M	10 plans		
		L	25 plans		
	Number of lake management plan project recommendations implemented. Goal #2 Action 26	S	5 plans	ND	Ask entities identified in lake management plans provided by LCHD LMU
		M	5 projects implemented		
		L	10 projects implemented		
2h	Number of lakes with Aquatic Plant Management Plans (APMP). Goal #2 Action 27	S	5	ND	Ask LCHD LMU
		M	10		
		L	25		
2i	Acres of invasive species removal/management projects. Goal #2 Actions 28-29	Addressed by Objective ID 2a			
2j	Number of successful reintroductions of threatened and endangered native species into natural habitats. Goal #2 Action 30	S	1 attempted	A	Forest preserve has Blandings Turtle program, not sure where they are being introduced. Ask LCFPD.
		M	5 attempted		
		L	2 successful		
3a	Area of new or restored flood storage sites. Goal #3 Actions 1-9	S	25 acres	ND	Include in community survey. Check grant projects
		M	50 acres		
		L	100 acres		
3b	Number of flood problem areas positively affected by flood mitigation projects implemented. Goal #3 Actions 1-9	S	10	ND	0, Include in community survey. Discuss what constitutes a positive impact (do we assume any project is a positive impact or is there a quantifiable threshold needed).
		M	20		
		L	30		
3c	Number of flood insurance policies in the watershed communities. Goal #3 Action 24	S	Track number of NFIP policies	ND	What is the best way to do this?
		M	Track number of NFIP policies		
		L	Track number of NFIP policies		

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	Number of Lake County Floodproofing Workshop attendees. Goal #7 Actions 1-2, 4-5, 9, 13, 17-18	S	300	F	No floodproofing workshops in 2018-19 Check floodproofing workshop attendance records
		M	600		
		L	900		
3d	Number of action recommendations completed. Goal #1 Actions 28-43 Goal #3 Actions 6-9	Addressed by Objective ID 1k			
3e	Number of mapped overland flow routes. Goal #3 Action 10	S	1 subwatershed	ND	What is the best way to do this?
		M	5 subwatersheds		
		L	All 10 subwatersheds		
3f	Number of municipalities that have codes that allow or require green infrastructure for stormwater management. Goal #1 Actions 11-13	Addressed by Objective ID 1d			
3g	Number of local drainage system improvement projects implemented. Goal #3 Actions 1-10, 22, 25	S	25	F	4, Check 319, SIRF, and WMB grants. Include in community survey.
		M	50		
		L	100		
3h	Number of communities with established stream maintenance programs. Goal #3 Action 18	S	10	ND	Include in Community survey.
		M	15		
		L	All municipalities		
3i	Number of updated FEMA floodplain maps (less than 10 years old). Goal #3 Actions 19-21	S	2	I/D	What is the best way to do this?
		M	5		
		L	Entire planning area		
3j	Number of Voluntary Floodplain Buyouts. Goal #3 Action 22	S	20	F	No buyouts between 2018-2019. SMC (SØ) for yearly update. Add to community survey
		M	50		
		L	400		
3k	Number/value of claims filed each year per community in the watershed. Goal #3 Actions 24	S	Reduce by 5%	I/D	Total Losses: 2,465 Total Payments: \$31,687,223 Numbers are total losses from 1979-2018. Download form in 2019 and subtract 1979-2018 numbers to establish 2019 baseline. Reporting includes the entire jurisdiction, including unincorporated Lake County. Most jurisdictions are only partially in the Des Plaines River watershed
		M	Reduce by 10%		
		L	Reduce by 25%		

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4a	Number of action recommendations completed. Goal #1 Actions 28-43 Goal #3 Actions 6-9 Goal #4 Actions 2-4	Addressed by Objective ID 1k				
4b	Number of cost-sharing programs available in the DPR planning area. Goal #4 Actions 5-7, 9	S	5	C	at least 3 319, WMB, SIRF	
		M	7		What is the best way to do this, Check Appendix L Potential Funding Sources and see if any of those agencies can provide this data.	
		L	10			
	Amount of grant funding available for stormwater green infrastructure and BMPs. Goal #4 Actions 5 and 9	S	\$2,500,000	ND	What is the best way to determine what is available? Check Appendix L Potential Funding Sources and see if any of those agencies can provide this data.	
		M	\$3,000,000			
		L	\$5,000,000			
4c	Number of municipalities that have codes that allow or require green infrastructure for stormwater management. Goal #1 Actions 11-13 Goal #4 Actions 8-9, 11	Addressed by Objective ID 3f				
4d	Number of local, county, and state representatives provided educational outreach materials for improving local and countywide regulations. Goal #4 Action 9	S	20	ND	What is the best way to do this?	
		M	40			
		L	50			
4e	Funding increase for in-the-ground stormwater BMPs. Goal #4 Actions 5 and 9	S	10% increase from 2018 baseline	ND	What is the best way to do this?	
		M	10% increase from 2018 baseline			
		L	20% increase from 2018 baseline			
4f	Number of existing stormwater management structures retrofitted. Goal #4 Actions 10-11	S	30	F	7 total	
		M	100		Check 319, WMB, SIRF projects. Include in community survey. Ask HOA's.	
		L	500			
	Number of developments built using conservation design principles and/or green infrastructure. Goal #2 Action 19 Goal #3 Action 11-15 Goal#4 Action 4, 8	S	30	ND		Discuss how to define a development. Check permit database. Include in community survey for certified communities. Ask PB&D for unincorporated areas.
		M	60			
		L	80			

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4g	Potential maintenance needs identified in future stream and detention basin inventories. Goal #3 Action 18 Goal #4 Action 11, 15	S	N/A	ND	To SMC's knowledge, potential maintenance needs are only identified with plan updates so it is not possible to track for Medium time frame
		M	10% aggregate reduction from 2018 baseline		
		L	20% aggregate reduction from 2018 baseline		
4h	Number of communities with established stream maintenance programs. Goal #3 Action 18	Addressed by Objective ID 3h			
4i	Lane miles of roadway retrofitted or constructed with BMPs. Goal #4 Actions 12-13	S	5 miles	ND	Include in community survey. Ask LCDOT, Tollway, and IDOT. Review ILR10?
		M	10 miles		
		L	15 miles		
4j	Number of informational guides on roles and responsibilities for stormwater gray/green infrastructure maintenance distributed. Goal #7 Action 9	S	2,000	ND	What is the best way to do this? The only numbers we can put out there is NBWW, DRWW, and SMC publications. Everything else would have to come from the DPR Plan Committee or via the survey
		M	5,000		
		L	10,000		
4k	Number of compliant site inspections performed during the 10-year operation and maintenance period for Illinois EPA	S	All 319 grant funded projects	B	CLC Project not compliant, all others are compliant.
		M	All 319 grant funded projects		
5a	Number of municipalities, counties, and natural resource agencies that adopt the Des Plaines River Watershed-Based Plan. Goal #5 Actions 1 and 2	S	25 Agencies	A	31 agencies adopted
		M	All agencies		
		L	All agencies		
5b	Watershed stream annual monitoring program support. Goal #1 Actions 1-4 Goal #5 Action 3	Addressed by Objective ID 1a			
5c	Establishment of lead organization (watershed planning committee) with budget and executive committee. Goal #5 Actions 4-6	S	1 lead organization	B	Org. has been established; budget (unknown at this time) and executive board (Steering Committee TBD)
		M			
		L			

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	Number of projects advanced/undertaken with the support of the watershed planning committee. Goal #5 Actions 7-8	S	100 action plan recommendations	F	No projects taken on by the committee
		M	250 action plan recommendations		
		L	500 action plan recommendations		
5d	Communities that have a designated individual or board member(s) to participate on the watershed planning committee. Goal #5 Action 4, 13	S	10 communities	C	In progress
		M	20 communities		
		L	All communities		
5e	Number of jurisdictions implementing watershed site-specific and programmatic actions. Goal #5 Actions 9-11	S	10	A	10 total Could maybe get information from plan committee or survey? If neither of these, look at the project tracking spreadsheet, doing just this may miss some programmatic actions.
		M	20		
		L	All		
5f	Number of jurisdictions that have ordinances and programs that protect and preserve watershed natural resource areas. Goal #5 Actions 12-14	S	10	I/D	Could maybe get information from plan committee or survey?
		M	20	ND	
		L	All		
	Number of municipalities that have codes that allow or require green infrastructure for stormwater management. Goal #5 Actions 10, 14	Addressed by Objective IDs 3f & 4c			
5g	Number of RiverWatch sites/lakes enrolled in volunteer/citizen scientist river and lake monitoring programs. Goal #1 Action 2 Goal #7 Actions 13	S	25	ND	Ask LCHD LMU
		M	50		
		L	75		
5h	Number of watershed stakeholders providing feedback for the watershed report cards. Goal #5 Action 15	S	30	F	SMC, Wadsworth Update as feedback is received
		M	100		
		L	200		
6a	Number and area of agricultural BMPs installed. Goal #6 Actions 1-9	S	25 BMPs cumulatively treating greater than 1,000 acres.	ND	Ask if MLSWCD/NRCS can provide data.
		M	50 BMPs cumulatively treating greater than 2,000 acres		
		L	100 BMPs cumulatively treating greater than 5,000 acres		
6b	Number or percent of farms, equestrian facilities, and nurseries with Resource Management Plans. Goal #6 Action 10	S	5%	ND	Ask if MLSWCD/NRCS can provide data.
		M	25%		
		L	50%		

Des Plaines River Watershed-Based Plan Scorecard Evaluation

Scoring Criteria	A = Met or exceeded milestone(s)	D = Milestone(s) 25% complete	N/D = No Data		
	B = Milestone(s) 75% complete	F = No progress towards milestone(s)			
	C = Milestone(s) 50% complete	I/D = Insufficient Data (SMC will update as data becomes available)			
OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE <i>June 2018 is used as the baseline for scorecard</i>	GRADE	COMMENTS <i>(bold text indicates suggestions for tracking indicator)</i>
6c	Number of high priority sediment reduction agriculture BMPs installed. Goal #6 Actions 11-12	S	15	ND	Ask if MLSWCD/NRCS can provide data.
		M	30		
		L	60		
	Demonstration sites established and monitored. Goal #7 Action 2, 7, 13	S	3	ND	Not sure what the best way to determine this is. Does LCFPD have any demonstration sites? Also do we have a defined criteria for what type of demonstration site or can it be a site that was temporary - i.e. cover crops, or does an educational event have to take place? LCFPD AG BMP site was the first one with native seed in the grassed ww's and that was a demonstration to see if the site would be successful.
		M	5		
		L	7		
	Length of drain tile removed or disabled. Goal #6 Action 12	S	5,000 ft	A	19,493 total Check 319 grants, WMB, SIRF. Community Survey
		M	10,000 ft		
		L	30,000 ft		
6d	Number of county and municipal agencies that have adopted a farmland preservation program(s). Goal #6 Action 13	L	Community dependent	ND	Ask if MLSWCD/NRCS can provide data.
	Acres of cover crops or crop residue left on fall agricultural fields. Goal #6 Action 1, 8, 10, 13	S	5% of all conventional or reduced tilled fields (500 acres)	ND	Ask if MLSWCD/NRCS can provide data.
		M	25% of all conventional or reduced tilled fields (2,500 acres)		
		L	50% of all conventional or reduced tilled fields (5,000 acres)		

Des Plaines River Watershed-Based Plan Scorecard Evaluation

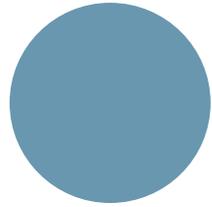
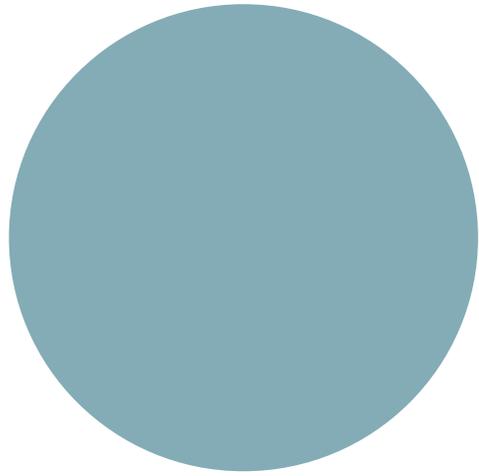
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OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE <i>June 2018 is used as the baseline for scorecard</i>	GRADE	COMMENTS <i>(bold text indicates suggestions for tracking indicator)</i>
6e	Acres of waterway, wetland, WASCOb, field border, filter strip, GSS and other erosion control agriculture BMPs that are implemented, enhanced or restored. Goal #6 Actions 1-9, 11-12	S	1) 5 acres grass conversion	ND	Ask if MLSWCD/NRCS can provide data.
			2) 10 WASCObS,		
			3) 5 equestrian facility/livestock operations,		
			4) 5 grass waterways,		
			5) 250 acres no-till and cover crops,		
			6) 5 field borders		
			7) 5 acres filter strips,		
			8) 50 acres of wetlands		
			9) 10 nutrient management plans		
		M	1) 10 acres grass conversion		
			2) 10 WASCObS		
			3) 10 equestrian facility/livestock operations		
			4) 10 grass waterways		
			5) 1,000 acres no-till and cover crops		
			6) 10 field borders		
			7) 10 acres filter strips		
			8) 100 acres of wetlands		
			9) 50 nutrient management plans		
		L	1) 5 acres grass conversion		
			2) 10 WASCObS		
			3) 10 equestrian facility/livestock operations,		
			4) 10 grass waterways,		
			5) 3,000 acres no-till and cover crops,		
			6) 10 field borders,		
			7) 10 acres filter strips,		
			8) 200 acres of wetlands		
			9) 100 nutrient management plans		
6f	Number of prime farmland acres in production. Goal #6 Action 14	L	75% of all prime farmland (2018 baseline)	ND	Look into Census of agriculture, Lake County Land Use, national land cover database (EH). Ask if MLSWCD has this info.

Des Plaines River Watershed-Based Plan Scorecard Evaluation

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OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE <i>June 2018 is used as the baseline for scorecard</i>	GRADE	COMMENTS <i>(bold text indicates suggestions for tracking indicator)</i>	
7a	Number of landowners that receive information about best practices for stream and lake shoreline restoration and maintenance. Goal #7 Action 1-2, 4, 13	S	500	ND	Community Survey	
		M	500			
		L	2,000			
7b	Number of people reached by watershed outreach campaign. Goal #7 Actions 2, 4, 10-11, 16	S	Establish outreach campaign	ND	Community Survey	
		M	5,000			
		L	10,000			
7c	Number of public agencies and local private contractors attending the annual Lake County De-icing Workshop. Goal #1 Actions 8-9 Goal #7 Action 3	S	20 public agencies; 100 local private contractors	C	2018 & 2019: 329 people 15 Private Group 75 Public Agencies	
		M	35 public agencies; 150 local private contractors			
		L	All public agencies with winter maintenance responsibilities; 200 local private contractors			
	7c	Number of public agencies with winter maintenance responsibilities that use alternative de-icing products. Goal #1 Actions 8-9 Goal #7 Action 3	S	20	A	Arlington Heights, Avon Township, Beach Park, Benton Township, Buffalo Grove, Deerfield, Ela Township, Glenview, Grayslake, Gurnee, Hainesville, IDOT, Illinois Tollway, Kildeer, Lake Forest, Lake Zurich, LCDOT, Lincolnshire, Lindenhurst, Mundelein, Palatine, Round Lake Beach, Round Lake, Third Lake, Vernon Hills, Vernon Township, Warren Township, Waukegan, Wheeling, Zion, Waukegan Township, Riverwoods, Libertyville Township, Hawthorn Woods, Antioch Township, Bristol, Libertyville, Round Lake Park . 38 using alternatives (57 total in planning area)
			M	35		
			L	All		
7d	Number of property owners that receive information about the importance of watershed health. Goal #7 Actions 2, 4, 11	S	2,000	A	Diamond Lake 2,000 Diamond Lake History and Stewardship Guides Not sure of the best way to track this	
		M	5,000			
		L	10,000			
7e	Number of landowners that receive information about watershed programs and projects. Goal #7 Actions 2, 10, 12	S	2,000	A	Diamond Lake 2,000 Diamond Lake History and Stewardship Guides, Not sure of the best way to track this	
		M	5,000			
		L	10,000			
	7e	Number of workshops. Goal #7 Actions 13, 16, 18	S	10	C	2 De-icing workshop, 2 DECI, 1 HOA Workshop
			M	20		
			L	30		

Des Plaines River Watershed-Based Plan Scorecard Evaluation

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OBJECTIVE ID	INDICATOR	TIMEFRAME	MILESTONE <i>June 2018 is used as the baseline for scorecard</i>	GRADE	COMMENTS <i>(bold text indicates suggestions for tracking indicator)</i>
	Number of action recommendations completed. Goal #1 Actions 28-43 Goal #3 Actions 6-9 Goal #4 Actions 2-4 Goal #7 Actions 20-21		Addressed by Objective IDs 1k		
	Continuous increase in number of contacts on the SMC Des Plaines River watershed contact database. Goal #7 Actions 2, 4, 10-11, 16	S M L	5% increase 7% increase 10% increase	I/D	2019 baseline: 2,205 Ask SMC (DH) yearly
7f	Pollution prevention campaign established. Goal #7 Actions 2-5, 8, 17, 22	S M L	Establish campaign Maintain campaign Maintain campaign	I/D	Not aware of any outreach campaigns
7g	Number of volunteers for lake, stream, and natural area stewardship and maintenance. Goal #7 Actions 13-14	S M L	500 500 1,000	ND	Ask Forest Preserve, Libertyville township, Don Wilson (Almond Marsh), DPR River Stewards. Are there any other volunteer events?
7h	Number of native plant demonstration sites established, and trainings held. Goal #7 Actions 15-16, 21-22	S M L	1 site / 1 training/yr. 2 sites / 2 trainings/yr. 2 sites / 2 trainings/yr.	ND	Not aware of any demonstration sites. Ask LCFPD - Matt Ueltzen or Jim Anderson to start. Also maybe Sarah Surroz with Openlands
7i	Number of communities that adopt the “no adverse impact standard.” Goal #7 Action 17	S M L	2 5 All applicable communities	ND	Community survey?
7j	Number of educational flyers or mailings to high flood risk property owners about flood mitigation measures. Goal #7 Action 18	M	5,000	ND	Not aware of any outreach campaigns Community survey?
	Number of clicks (overall activity) on SMC website with flooding resources. Goal #7 Action 4, 18	S	5% increase in 2018 baseline	A	On track for a 50% increase from baseline. The increase might be smaller by end of year due to less visits in winter. 2019 up to September 30: 2381 clicks. 2018 whole year: 2114 clicks
		M	7% increase in 2018 baseline		
7k	Number of educational signs regarding aquatic invasive species installed. Goal #7 Actions 20-22	S	10	ND	Ask LCHD LMU
		M	20		
		L	At least one sign at every lake with public access		



Des Plaines River Watershed-Based Plan Committee Meeting

Mike Prusila, Planning Supervisor &
Ashley Strelcheck, Water Resource
Professional
Lake County Stormwater
Management Commission

Plan Committee Purpose

EVALUATE plan implementation progress

COORDINATE stakeholder efforts

UPDATE the watershed plan

Ad hoc committee

- No formal membership or dues
- Meetings open to general public

Take Action!

10 in 10

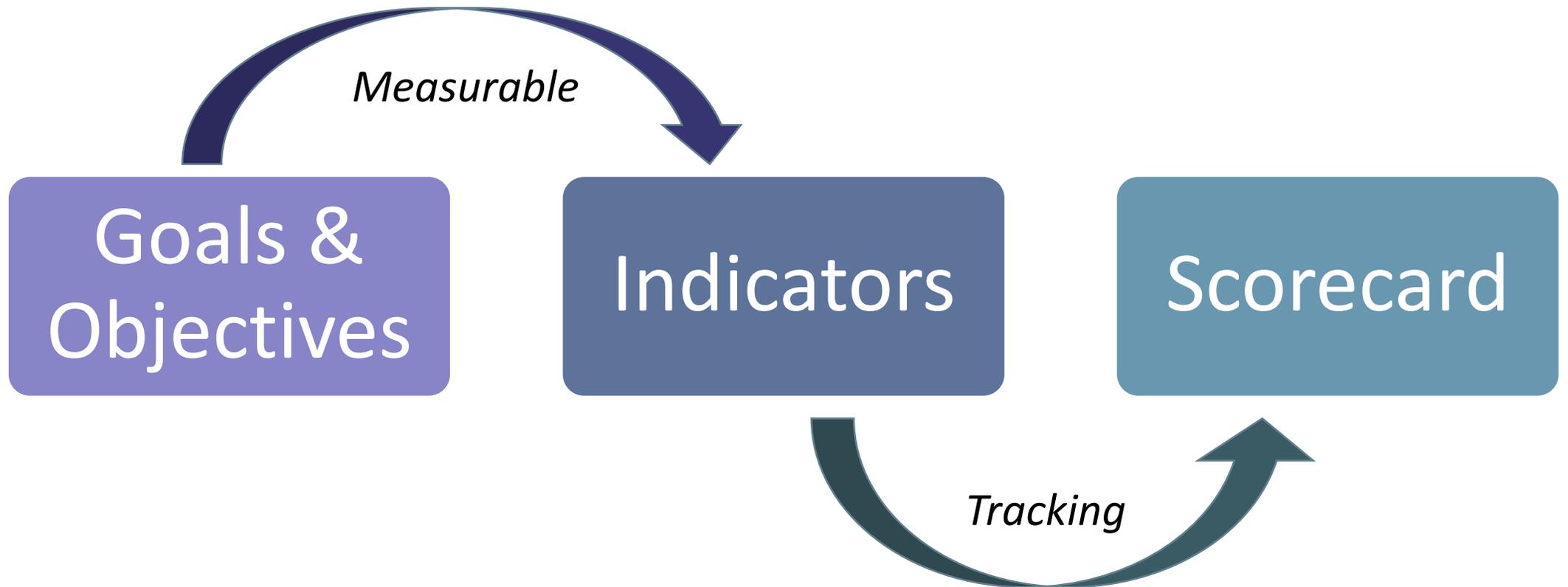
TEN ACTIONS FOR STAKEHOLDERS TO TAKE IN THE NEXT TEN YEARS

- 1 Adopt the watershed-based plan and implement high priority actions and/or projects**, including the allocation of funding for project implementation and maintenance.
- 2 Determine a lead watershed organization to guide watershed plan implementation**, implement the education and outreach strategy, provide technical assistance to watershed stakeholders, and coordinate multi-partner projects.
- 3 Municipalities and counties work collaboratively** and proactively to mitigate flood problem areas.
- 4 Utilize low-impact development and stormwater best management practices** in new development and retrofit/maintain existing development to reduce and filter stormwater runoff from impervious areas.
- 5 Restore wetlands**, particularly where they will provide additional flood storage and water quality benefits.
- 6 Stabilize the worst “severe” eroding streambanks and lake shorelines** using techniques that provide water quality and aquatic habitat benefits.
- 7 Stabilize eroding fields**, implementing nutrient management plans and implementing best farming practices to reduce soil loss.
- 8 Reduce the amount of chloride in runoff** by implementing winter maintenance “de-icing” best practices and providing educational trainings and materials.
- 9 Reduce phosphorus loads in runoff** through best management practices, projects, and programs.
- 10 Use the results of watershed monitoring programs** to strategically target projects, develop programs, and update this watershed plan.

Table 7-13: Year One Plan Implementation Priorities

RECOMMENDED ACTION/PRIORITY
1. Working with DRWW, the Bull Creek-Bull's Brook Watershed Council, Buffalo Creek Clean Water Partnership, and other active subwatershed groups, determine specific year-1 implementation actions; coordinate with DRWW on short term monitoring priorities.
2. Research funding and technical assistance to implement recommendations identified in the action plan.
3. Submit grant applications, if applicable, and secure additional funding sources for plan implementation.
4. Coordinate available programs, policy changes, and other local initiatives and programs where private landowners are responsible for participation or implementation.
5. Promote and adopt the plan; prioritize and incorporate plan recommendations into existing programs, activities, and budgets.

Tracking Plan Implementation



Today's Scorecard Evaluation



Des Plaines River Watershed-Based Plan

- Looking at the “Des Plaines River Watershed-Based Plan Scorecard Evaluation” handout
- Objectives / Indicators
- Looking only at short-term metrics
 - Currently in Year 1 of the scorecard
- Milestones – measurable metrics



Today's Scorecard Evaluation continued....

- Grades
 - Baseline: June 2018
- Comments
 - Explanation for Scores
 - Potential Data Sources
 - Additional assistance required



Des Plaines River Watershed-Based Plan



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SMC's Initial Evaluation

Issues

- Number of obj.'s / indicators
- Not enough staff capacity
- Access to metrics/data
- Who has the information?

Scorecard Summary – Known Data Sources

Funding Sources:

- WMB, Illinois EPA 319 Grants, SIRF, CCIP, FEMA

SMC Data Access

- Flood Problem Area Inventory
- Distribution Lists
- Workshops
- Communication w/stakeholders
- DRWW data
- Public domain data (e.g., IL EPA reports)

Useful for:

- Tracking BMP implementation categories
 - Action Plan Recommendations
- Cost-Sharing Program success
- Educational material tracking

Scorecard Summary - Grades

Goals / Grades	A	B	C	D	F	I/D	N/D	Total # of Indicators
Water Quality Improvement	5	0	0	0	0	5	8	18
Green Infrastructure / Natural Resources Improvement	2	1	0	1	3	0	3	10
Flood Damage Reduction	0	0	0	0	3	2	5	10
Stormwater Infrastructure	0	1	1	0	1	0	7	10
Community & Agency Coordination	2	1	1	0	2	0	2	8
Sustainable Agriculture Systems	1	0	0	0	0	0	8	9
Education & Outreach	4	0	2	0	0	2	7	15
TOTALS	14	3	4	1	9	9	40	80

Scorecard
Summary

Agency
Information
Needed

DRWW

- Monitoring Plan
- Monitoring Results - Parameters
- Workgroup Education

Scorecard
Summary

Agency
Information
Needed

Lake County Health Dept. Lakes Management Unit

- Lake Monitoring Activities
- Lake / Plant Management Plans
- Lake Educational Signage
- Septic Systems

Scorecard
Summary

Agency
Information
Needed

MLSWCD, NRCS, FSA

- Agriculture BMPs
- Resource Management Plans
- Prime Farmland

Scorecard Summary

Community Input



Metric Categories

Flooding

Projects

Programs

Education

Regulations



What is the best method?

Surveys?

Plan Committee Meetings?

Survey Options – Potential Methods

MS4 Annual
Survey

Community
Survey

How to Get
Results

Watershed Coordination & Announcements

Purpose:

- Stakeholder forum
- Project coordination

Future:

- Multi-jurisdictional coordination for action plan recommendations



Watershed Projects

Illinois EPA 319 Grants

Libertyville Township, Bull
Creek Headwaters
Restoration Project

Lake County Health
Department, Removal of Carp
to Reduce Nutrient Enrichment
Project

Village of Libertyville,
Charles Brown Park Project

Lake County Forest Preserve
District, Van Patten Woods
Hydrologic Restoration &
Enhancement Project

WMB Program

Openlands - Conservation
@ Home Program in
Libertyville, Lincolnshire,
Mettawa and Riverwoods

Lake Zurich Kildeer Creek
Restoration

DPR Watershed Steering Committee



Purpose



Committee
Members



Meeting
Frequency



Next Steps: TBD



Next Meeting:
Spring 2020