



Minneapolis
Park & Recreation Board

Cedar-Isles Water Quality Subcommittee Meeting #4

*Discuss water quality improvements within the
Preferred Park Concept*

Thursday, July 12, 2022

Land Acknowledgement

We collectively acknowledge that the Minneapolis Park and Recreation Board system is located on the traditional, ancestral, and contemporary lands of Indigenous people. This land holds great historical, spiritual, and personal significance for its original stewards, the Native nations and peoples of this region.

We also acknowledge that restrictive covenants were used to deny Black, Indigenous, Asian and in some cases Jewish individuals access to property in surrounding neighborhoods. This had an impact on who was and was not officially welcome in this area.

Agenda

- 6:00-6:15pm Welcome & Updates
- 6:15-6:45pm EOR presentation
- 6:45-7:45pm CAC Discussion
- 7:45-8:00pm Public Comment Time

CAC Group Agreement

1. Assume good intent
2. One conversation: respect the speaker, actively listen
3. Value different perspectives
4. Speak from your experience
5. Be respectful even if you don't agree
6. Step up, step back

MPRB in-person CAC Meeting Guidelines

1. CAC Members will be invited to speak during CAC Discussion time
2. The public will be invited to speak during the Public Comment Time
3. Public invited to share feedback on Hopes & Concerns boards
4. We are not recording this meeting

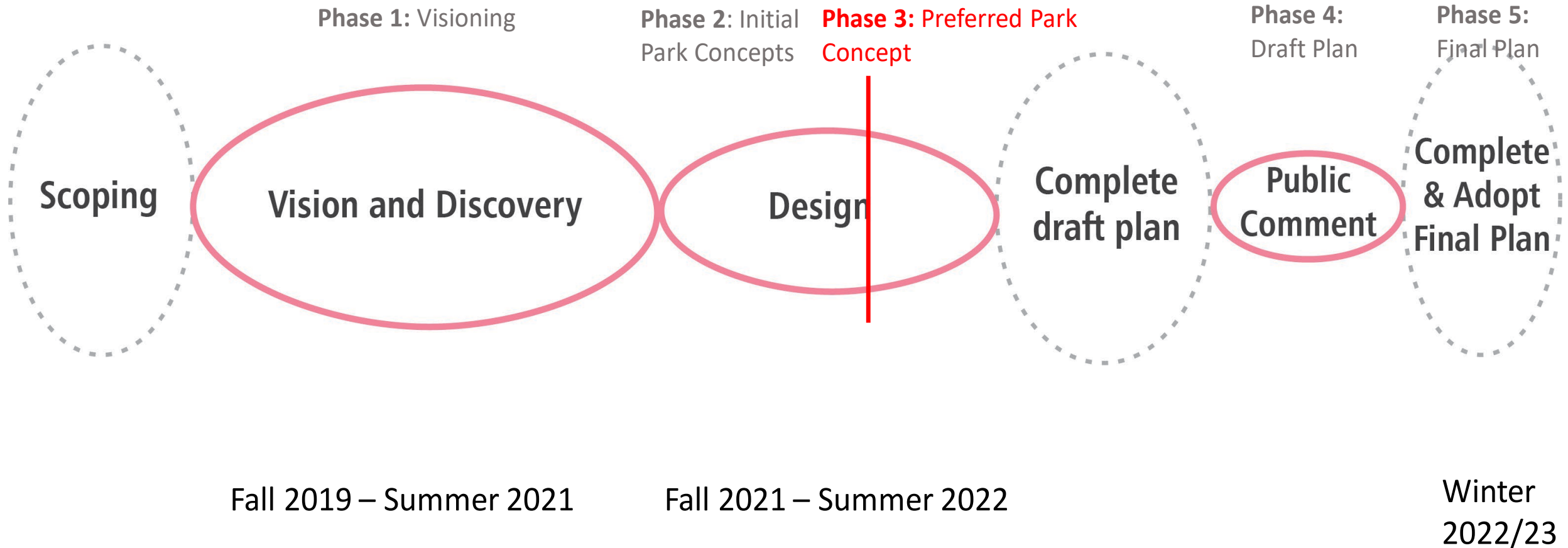


Purpose of Meeting

Understand the water quality improvements that have been proposed in the Preferred Park Concept document

Draft Timeline for Master Plan Process

(subject to change)



Upcoming Events and Meetings

In-Person Open House

Thursday, July 14, 4:30-6:30

Cedar Lake South Beach

In-Person Open House

Saturday, July 16, 9-11am

Lake of the Isles and Euclid Place

Water Quality CAC Subcommittee Meeting #5

Thursday, July 21st 6-8pm

Virtual meeting

CAC Meeting #12

Thursday, July 28 6-9pm

Lake of the Isles Lutheran Church
2020 W Lake of the Isles Parkway

CAC Meeting #13

Wednesday, August 10 6-8pm

Painter Rec Center, 620 W 34th St

DRAFT Lake Management Plan-Level Goals

Based on the discussion from Subcommittee Meeting #3, CAC members suggested renewing the rigorous goals established during the Clean Water Partnership (1989-2001), and adapt to climate change (precipitation patterns, water temperatures, lake stratification, and ice-cover/open water dynamic)

Goal: Manage Lake of the Isles as an ecologically healthy, shallow lake

- maintain phosphorus levels below ≤ 40 micrograms per Liter (ug/L)
- establish diverse native and adapted, non-invasive aquatic plants
- establish **and maintain** aquatic food web

Objective: develop lake management plan for Lake of the Isles to manage in-lake nutrients, littoral zone, and shoreline goals and activities.

Goal: Manage Cedar Lake as an ecologically healthy, deep lake

- phosphorus levels should be below ≤ 25 micrograms per liter (ug/L)
- establish diverse native and adapted, non-invasive aquatic plants
- establish **and maintain** an aquatic food web

Objective: develop lake management plan for Cedar Lake to manage in-lake nutrients, littoral zone, and shoreline goals and activities.

- Reduce internal phosphorus loading at Cedar Lake

DRAFT Master Plan Level Goals

THEME 1: Address and Manage ~~100% of~~ Runoff from Parkland Before it Reaches the Lakes

Goal: Address run-off from all hard surfaces on parkland

- Treat water runoff from paved surfaces on parkland before it runs into the lake, including parkways and parking lots
- Limit paved surfaces and, where appropriate, make it pervious
- Perform enhanced sweeping of all paved surfaces on park property that drain to lake
- Restore soil health, including restoring compacted soil that currently provides limited infiltration
- Eliminate exposed soil on park land except established beaches **and turtle nesting areas**

Goal: Reduce chloride, trash, and sediment from entering the lake

- Reduce chloride (salt) use through continuing to condense maintained paths within the winter networks
- Minimize to the extent practical, use of chloride-based de-icing materials on hard surfaces within the park
- Provide education to staff and the public around the impacts of chloride (salt)
- Perform enhanced sweeping of all paved surfaces on park property to remove trash and sediment

THEME 2: Balance the Recreational Needs of Increased Park Visitors with Need to Maintain Ecologically Healthy Lakes

Goal: Maintain and stabilize shoreline with native vegetation in all areas except for formal access points and ~~historic identified~~ viewsheds

- Establish a ~~minimum~~ naturalized lake buffer in all areas where water **and land** access is not needed (above shoreline)
- Naturalize the littoral fringe with emergent vegetation in all areas where lake access is not needed (below shore)
- Reduce sedimentation into the lake through adjacent erosion and runoff by ensuring park soils and slopes remain vegetated
- Formalize the location of **water** access points and ensure they are clearly identified

Goal: Maximize and restore habitat (terrestrial and aquatic) to improve health of the lake and have spaces for wildlife

- Restore and improve natural areas that have no interaction with park visitors (ie islands at LOI) to higher **functioning plant communities-ecological quality**
- Restore and improve natural areas that interact with park visitors (ie NE forest at Cedar Lake) to higher functioning plant communities
- ~~Establish~~ **Consider and conduct** fisheries sampling to routinely determine the Fish-based Index of Biological Integrity (F-IBI)
- Determine wildlife and target species at each lake and develop biological monitoring program

THEME 2: Balance the Recreational Needs of Increased Park Visitors with Need to Maintain Ecologically Healthy Lakes (cont.)

Goal: Maximize and restore habitat (terrestrial and aquatic) to improve health of the lake and have spaces for wildlife (cont.)

- Reestablish native and adapted rooted aquatic vegetation community by controlling invasive species including watermilfoil and curly leaf pondweed
- ~~Restore natural areas throughout the parkland in a manner that favors the Species of Greatest Conservation Need (SGCN) that are likely to use the areas~~

**Goal: ~~Meet state swimming standards at Cedar Lake and meet state boating standard for Lake of the Isles~~
Continue to meet aquatic recreation standards at Cedar Lake and Lake of the Isles**

- Reduce water quality impacts from pets and geese

Communication Goal: Achieve broad community knowledge and understanding about the health of each lake, the factors impacting lake health and ways they can help protect the lakes

DRAFT High-Level Watershed Goals

Goal: Utilize Cedar-Isles Master Plan as an MPRB case study to implement master plans through development of specific measurable outcomes to meet goals and objectives **within the project area.**

Goal: Formalize collaborative community-agency (citywide?) committee to continue monitoring and developing rapid solutions for water quality in the face of a changing climate

Goal: Reduce watershed pollutant loading by reinvigorating the partners of the Clean Water Partnership and renew efforts to meet the objectives that have either not been completed or currently need to be repeated

- Establish new regulatory controls aimed at eliminating the introduction of pollutants into water bodies
- Monitor and evaluate existing watershed infrastructure to ensure it's still working
- Reduce all pollutants (chloride, phosphorous, trash, and sediment) from entering each lake
- Identify new opportunities and locations to implement water management strategies

Goal: Achieve broad community knowledge and understanding about the health of each lake, the factors impacting lake health and ways they can help protect the lakes

A scenic view of a river at sunset. The sun is low on the horizon, creating a bright, shimmering reflection on the water's surface. In the foreground, numerous lily pads float on the water. The background is filled with dense green trees, and a small white structure is visible on the left bank. The overall atmosphere is peaceful and natural.

Preferred Park Concept Presentation and Discussion

A scenic view of a river at sunset. The sun is low on the horizon, creating a bright, shimmering reflection on the water's surface. In the foreground, numerous lily pads float on the water. The background is filled with dense green trees, and a small white structure is visible on the left bank. The overall atmosphere is peaceful and serene.

Public Comment Time

How to share your feedback

- Please write “Yes” in the chat to line up to speak verbally
 - You will have 1 minute to speak to CAC
- Chat your comment in the chatbox
 - If able, staff will read comments out loud

THANK YOU for participating!

Questions or comments?

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Find more project information at

www.minneapolisparcs.org/cedar-isles