THANK YOU TO OUR EVENT SPONSOR
NORTH POND
HISTORY
Volunteer Recruitment – build our greatest asset

Postcard showing the History Refectory – North Pond

Laughter Gazebo – Turn of Century

Postcard showing historic pond edge

1873 Lincoln Park Area & Boundaries Map

#DigDeepForNorthPond
NORTH POND
EXISTING CONDITIONS
Existing Conditions
Existing Conditions

- Shallow Depth / Algae Blooms
- Eroding Shoreline
- Canada Geese
- Negative Water Balance
EXISTING POND CONDITIONS
EXISTING SOLAR IMPACT ON POND

Existing Conditions

* Temperatures shown are estimates for diagrammatic purposes. They reflect realistic expectations, not measured values.
Existing Conditions
NORTH POND
RESTORATION PLAN
Restoration Plan

PROJECT PHASES:

**KNOWLEDGE**
- complete key studies needed to finalize plan
- conduct public meetings to garner community input

**DREDGE**
- deepen Pond to increase oxygen turnover
- provide additional aquatic habitat
- reduce algal blooms

**EDGE**
- grade/stabilize Pond edge to decrease erosion and runoff
- increase public engagement

**SEDGE**
- increase and improve natural areas around pond (including tiered sedge meadow)
- capture, filter, and release stormwater entering the Pond
- reduce reliance on municipal water

**PLEDGE**
- community support is vital to North Pond’s restoration.
- the project will be 100% financed by private/community resources and long-term community stewardship is vital.

**FLOATING LEAF SHORELINE**

**DRY OR WET DREDGE?**
PROPOSED POND TURNOVER

Deeper, cooler water evaporates more slowly.

Thermal heating causes stratification, allowing lateral pond turnover which reoxygenates the lower strata of the pond in the fall & spring.

Reoxygenated water improves pond habitat.

Deeper water results in warmer winter temperatures at the pond bottom, protecting fish and other aquatic species during the winter.

*Temperatures shown are estimates for diagrammatic purposes. They reflect real-time expectations, not measured values.
Dredge Scenarios

**SCENARIO 1**
75,000 yd³
24' bench | 3:1 slope after 12' depth

*Est. dredge cost: $11,251,101*

**SCENARIO 2**
56,484 yd³
24' emergent wetland bench | variable slope | one 8' depth zone

*Est. dredge cost: $9,472,600*

**SCENARIO 3**
56,279 yd³
24' emergent wetland bench | variable slope | two 8' depth zones

*Est. dredge cost: $8,486,396*

**SCENARIO 4**
32,955 yd³
variable emergent wetland bench | variable slope | two 8' depth zones

*Est. dredge cost: $5,094,822*

**SCENARIO 5**
37,794 yd³
variable emergent wetland bench | variable slope | three 8' depth zones

*Est. dredge cost: $5,669,144*

**SCENARIO 6**
22,000 yd³
variable emergent wetland bench | variable slope | four 8' depth zones

*Est. dredge cost: $2,300,000*

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PROPOSED POND CONDITIONS

- Stormwater runoff and sediment captured and filtered by native habitat belts before entering the pond.
- Graded slope prevents erosion and increases habitat area for greater species diversity.
- A deeper pond provides additional wildlife habitat opportunities.

- pond depth
- 18-7 slope
- Native wet meadow position
- width varies
- 0-14' pond depth
- Emergent & aquatic species habitat
- width varies
- 14-16' pond depth
- Shallow water aquatic species
- width varies
- Aquatic pond bed species
- Lunker
- Lunker
- Pond dredged additional 5 1/4 feet

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PROPOSED VIEW OF SEDGE MEADOW
PROPOSED VIEW OF SEDGE MEADOW
Conceptual Restoration Plans

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PROSPECTIVE TIMELINE:

2019
-- completion and opening of the Sunshine Playscape
-- completion of final studies
-- hosting of initial public meetings
-- launch initial phases of fundraising / awareness campaign
-- host initial family / community engagement programs

2020
-- host additional public meetings
-- finalize and publish North Pond Master plan
-- begin dredge and partial edge work
-- continuation of engagement / fundraising campaign
-- begin site study for sedge meadow
-- additional family / community engagement programs

2021
-- continuation of edge work and plantings
-- construction of public engagement spaces
-- continuation of sedge meadow site study
-- begin initial site work for sedge meadow
-- continuation of engagement / fundraising campaign
-- continuation of family / community engagement programs

2022
-- sedge meadow installation and planting
-- continuation of engagement / fundraising campaign
-- continuation of family / community engagement programs focusing on Pond’s long-term stewardship and care
-- celebration of project completion
PROSPECTIVE BUDGET

PHASE 1 - Pond and Edge
Demolition and Site Prep/Restoration - $950,000
Infrastructure/Utilities - $300,000
Dredge - $3,300,000
Native Plants/Trees - $551,438
Surveys and Studies - $224,000 (2019 Minimum Goal)
Design and Development - $393,382
Permitting and Construction Administration - $377,955
Mobilization - $510,143
Contingency - $510,143
Phase 1 Total - $7,117,056

PHASE 2
Surrounding Trails and Features - TBD
Long-term Stewardship/Management - TBD
PLEDGE:

CONTRIBUTE
Pledge your support today. The project is dependent on community support. $200,000 is needed this year to finish the remaining studies and conduct public meetings so that work can begin in 2020.

LEARN MORE
Meet with the Conservancy to learn more about the project and how you can help:

info@lincolnparkconservancy.org
(773) 883-PARK (7275)

HOST A MEETING
Invite others to learn about North Pond’s restoration and how they can help.

VOLUNTEER
Our North Pond Gardeners meet two Saturdays a month and corporate work groups work throughout the season in keeping North Pond beautiful and natural:

volunteer@lincolnparkconservancy.org

SPREAD THE WORD
Share your commitment to North Pond using the hashtag:
#digdeepfornorthpond
QUESTIONS?
THANK YOU FOR HELPING US HELP NORTH POND!
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