



CITY OF NAPLES LAKES

IMPROVEMENT PROJECT: NORTH AND SOUTH LAKES

January 2023

ABOUT THE PROJECT

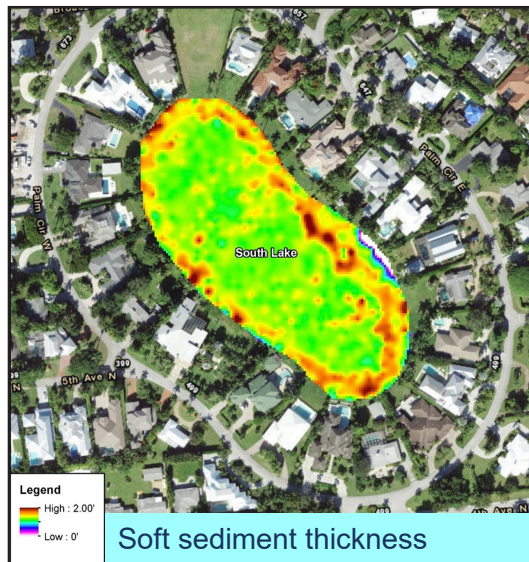
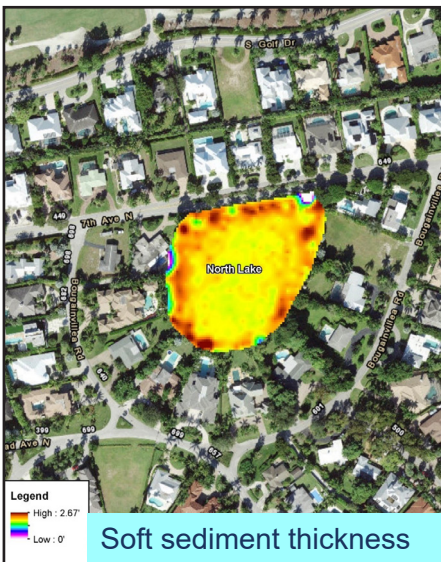
The City of Naples has begun a project to improve the water quality of North and South Lakes and improve the lakes' health, functionality, and aesthetics for the surrounding community. The functions of North Lake and South Lake are to store and direct stormwater into the Gulf of Mexico, to mitigate flooding and reduce peak flows during rainfall events. These lakes provide valuable services to the citizens of the City of Naples, particularly the residents adjacent to North and South Lakes. Citizens desire an aesthetically pleasing lake front, without nuisance algal blooms or other objectionable conditions that may result from temporary water quality variations that are inherent to the dynamic nature of stormwater lakes.

The project team is evaluating the possibility of dredging which is commonly used in stormwater lakes and may be recommended at North Lake and South Lake. The removal of highly organic sediments would:

- Reduce the re-release of nutrients stored within the sediments to the water column and improve the efficiency of treatment of nutrient-rich stormwater inputs.

- Reduce the potential for dissolved oxygen depletion that can produce objectionable odors and potential fish kills.
- Increase the depth and storage capacity of the lakes to improve flood mitigation effectiveness.
- Increase the residence time of water in the lake which should improve effectiveness of North Lake and South Lake in removing stormwater pollutants and improve water quality in discharges to Alligator Lake and ultimately the Gulf of Mexico.

Other design elements for North and South Lakes and their watersheds to reduce downstream loadings of pollutants of concern and improve water quality are being evaluated for implementation. These could include littoral shelves, enclosed sediment sumps or catch basins at stormwater inflows to remove trash and debris prior to entering the infrastructure system, rain gardens in open spaces within the basin (either in public right of ways or in homeowner areas), baffles projecting from the lake bank into the lake to increase retention time, and increase street sweeping.



CONNECT WITH US!



WE WANT YOUR INPUT

Public input is very important in the design of North Lake and South Lake project. The design will be developed based on input by various groups and most importantly the surrounding community to ensure the plan serves the goals and interest of the community. Please join us at a public meeting anytime between 4 and 6 p.m. on Monday, February 13, 2023 at Grace Lutheran Church, 860 Banyan Boulevard Naples, Florida, 34102. The project team will be available to answer any questions and receive your comments.

PROJECT WEBSITE

You may also view the proposed improvements on the project website at www.NaplesLakesImprovements.com and provide your comments on the improvements.





c/o Cella Molnar & Associates, Inc.
1631 Hendry Street
Fort Myers, FL 33901



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JOIN US FOR A PUBLIC MEETING

Monday, February 13, 2023, from 4:00 p.m. to 6:00 p.m.

Grace Lutheran Church
860 Banyan Boulevard Naples, FL 34102
The public meeting will be an open house format.
Come anytime between 4:00 p.m. and 6:00 p.m.

Note: Two or more members of the City of Naples City Council may be in attendance. Comments should be received by February 27, 2023.



If you do not want to attend the in-person public meeting, all meeting materials will be made available on the website.

www.NaplesLakesImprovements.com



You may submit your comments and questions on the website.

PLEASE CONTACT US FOR FURTHER QUESTIONS ABOUT THE PROJECT:



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