MANIFESTO

I. The history of architecture shows its ability to occupy the water, and even to float. This project proposes a floating intervention on Lake Calhoun in Minneapolis, Minnesota. The structure will occupy the water and facilitate year-round recreation and leisure activities.

II. Climate change is causing rising sea levels and receding coastlines. This site is located in a place that does not experience these tangible effects. For this reason, the project will manipulate the environment in a way that artificially mimics the effects of climate change on water. This will engage social consciousness in an area where this issue would not otherwise attract the attention of the public.

CASE STUDIES

FREEZE/THAW PROCESS

LAKE ECOLOGICAL ZONES - THAWED

LAKE ECOLOGICAL ZONES - FROZEN

REFERENCES

AFLOAT! ARCHITECTURES OF THE FREEZE/THAW
Madeline Peters
Advised by Dr. Daniel Lopez-Perez
University of San Diego Department of Art, Architecture, & Art History

ACTIVITY RADII

I. Environment: (2) enclosed pools, undulating walkway, canoeing, kayaking, boating, lounging

II. Environment: (2) enclosed pools, undulating walkway, cross-country skiing, ice fishing

EXISTING SITE PROGRAMMING

SITE INFORMATION

Lake Calhoun
Minneapolis, Minnesota
Area: 401 Acres
Mean Depth: 82’
Max Depth: 87’

SITE MAP

SITE PROGRAMMING/ANALYSIS

AFLOAT! Frozen Iteration:
I. Program: swimming, walking, fishing, sailing, canoeing, kayaking, boating, lounging

II. Environment: (2) enclosed pools, undulating walkway, cross-country skiing, ice fishing

AFLOAT! Thawed Iteration:
I. Program: figure skating, hockey, snowshoeing, walking, cross-country skiing, ice fishing

II. Environment: (2) enclosed pools, undulating walkway, cross-country skiing, ice fishing

3 Public Beaches
Archery
Biking Path
Boat Dock
Fishing Spot
Fishing Pier
Golf Course
Lakefront Facility
Walking Path
Soccer Field
Softball Field

341 ACRES
LAKE HARRIET
Max Depth: 33 FT
Mean Depth: 82’
LAKE NOKOMIS
470 ACRES
Max Depth: 87 FT
Mean Depth: 82’
LAKE NOKOMIS PARK
112 ACRES
LAKE OF THE ISLES
405 ACRES
Max Depth: 33 FT
LAKE CALHOUN
1979
LAKE CALHOUN PARK
341 ACRES
LAKE HARRIET
518 ACRES
LAKE NOKOMIS
470 ACRES
LAKE OF THE ISLES
405 ACRES
LAKE CALHOUN PARK
112 ACRES
LAKE CALHOUN
1979