

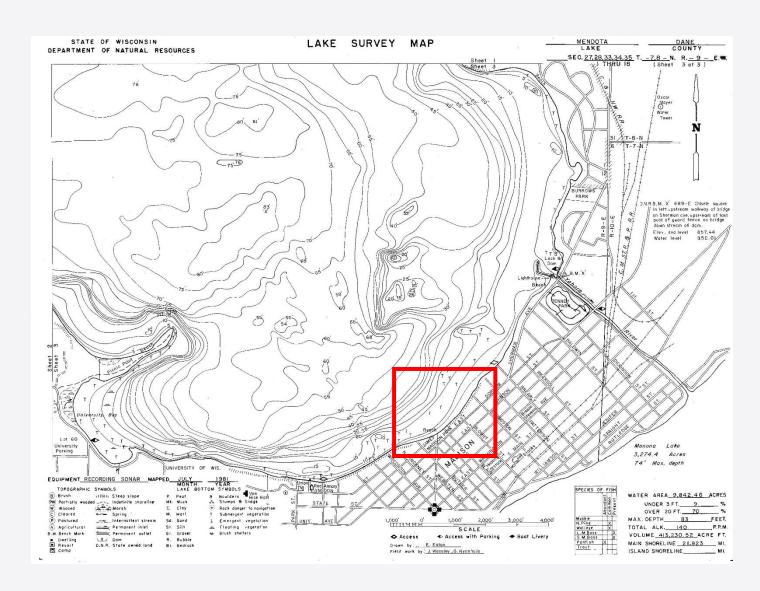
# **James Madison Park**

Project Update

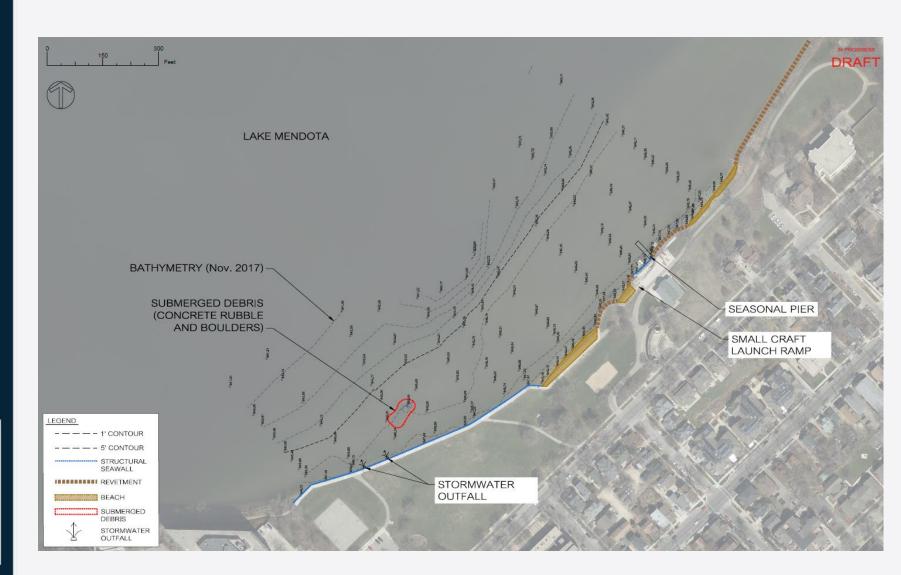
January 3, 2018



## **Historic Lakebed Survey (1981)**

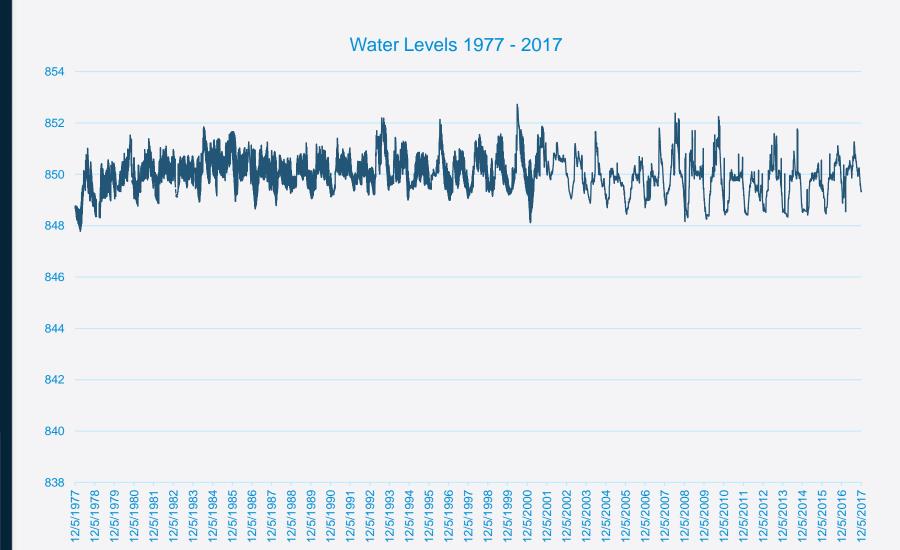


## **Updated Lakebed Survey (Nov. 2017)**





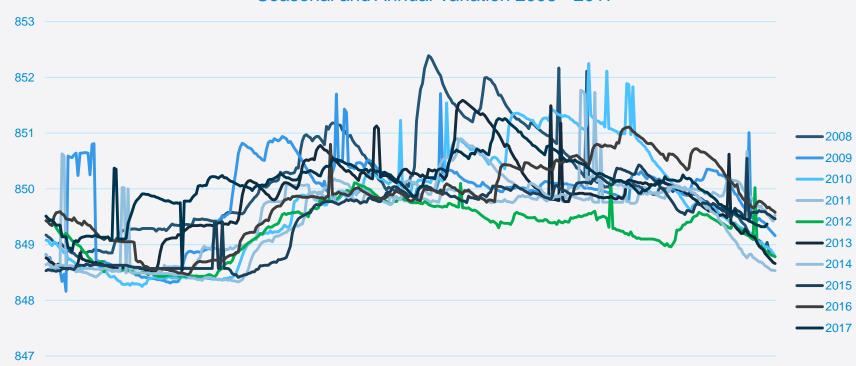
### **Historic Water Levels**





### **Seasonal Water Level Fluctuation**





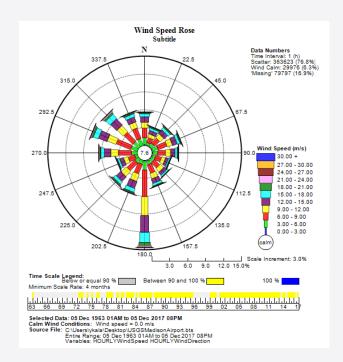
04/25 05/02 05/09 05/09 05/16 005/23 006/23 006/24 007/14 007/14 007/25 008/01 008/29 008/29 009/26 009/19 009/26 10/17



846

#### Wind and Wave Data

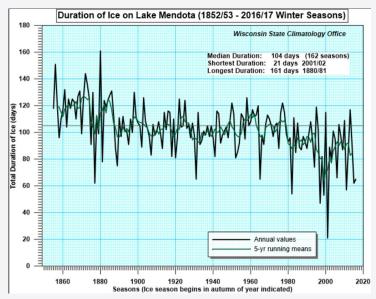
- Maximum fetch is ~ 4.7 miles to NW-N
- Maximum wave conditions in deep water (offshore of site) for extreme (50-60 mph) winds are Hs ~ 4.5-5.5 ft, Tp ~ 4-5 s
- Wave conditions at shoreline will be smaller due to shallow water effects (in particular, depth-limited breaking)

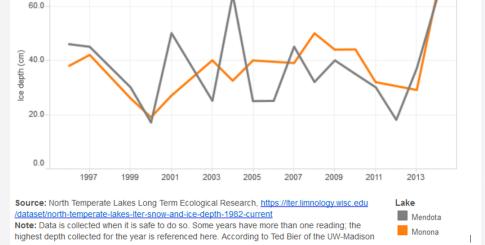






# **Historic Ice Cover & Depth**





Ice depth on lakes Mendota and Monona

Source: Wisconsin State Climatology Office



## **Site Visit**







