

Contact: John Nash

REGISTER OF IOWA LAKESIDE LABORATORY
CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS

Actions Requested: Consider recommending to the Board approval of:

1. Permission to Proceed with Project Planning for the:
 - **Innovation & Discovery Laboratory** project.

Innovation & Discovery Laboratory

Executive Summary: Iowa Lakeside Laboratory requests Board approval of Permission to Proceed with Project Planning to construct a one-story facility for additional classroom and laboratory space at Iowa Lakeside Lab located on the west side of West Okoboji Lake. The existing facilities, King Lab and Botany Lab, would be razed.

The estimated project budget of \$5.5 million to \$6 million would be funded by State Appropriations.

➤ During the 2024 Iowa Legislative Session, the following Rebuild Iowa Infrastructure Funds (RIIF) were appropriated to Iowa Lakeside Lab for 'non-residential infrastructure.'

\$3 million = FY 2025 – FY 2028

\$3 million = FY 2026 – FY 2029

\$6 million = Total



Preliminary design only

Background:

Innovation & Discovery Lab Capital Project Improvement Objectives:

- Provide additional and larger multi-purpose classroom space.
- Add a laboratory for water research and laboratory-based classes.
- Increase heated and ADA-compliant space.
- Add collection space to house historic Iowa Lakeside Lab biological specimens and artifacts.
- Provide workspace for visiting faculty, researchers or interns.

Iowa Lakeside Lab's existing King Lab currently houses most of Lakeside's water testing activities. However, King Lab was built in the late 1960's and was never intended to be utilized for water quality studies. A 2017 assessment of the building by CMBA Architects of Spencer revealed that the building is in poor condition.

The study concluded:

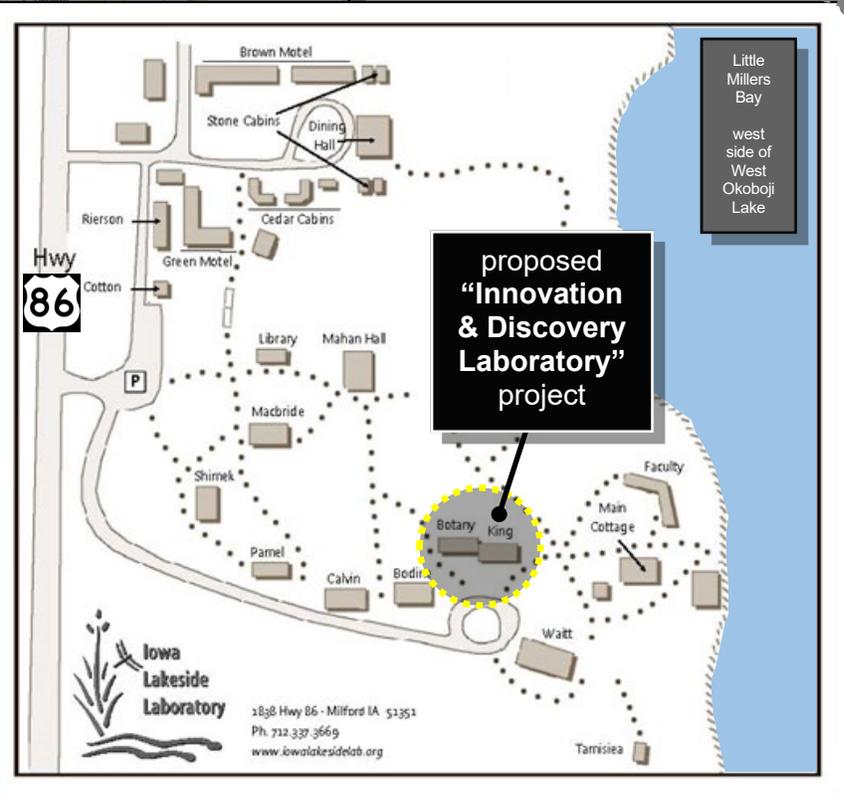
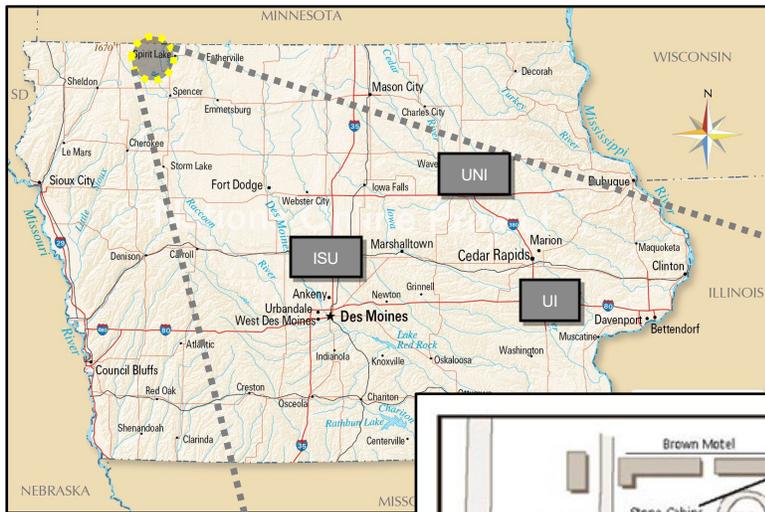
"The Botany Lab building was constructed in 1969 with the King Lab being constructed in 1977. The buildings are connected by a breezeway. Both are nearly identical and of similar construction. The structures are a combination of concrete masonry units (CMU) and wood bearing walls. Exterior materials are vertical plywood panel siding and exposed CMU. The wood frame roof is

covered in corrugated metal. The conditions of the existing structure are fair to poor. The existing building envelope is poor compared to today’s standards with little to no insulation is present.”

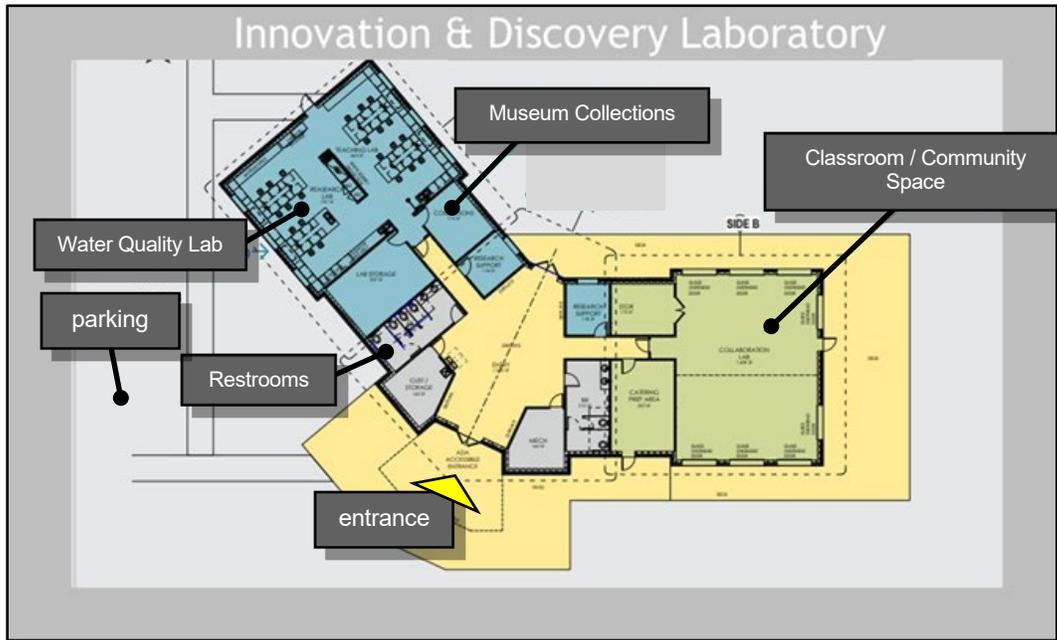
It was also noted that the existing building spaces are small and compartmentalized. The structure was constructed with little insulation and never meant to support a year-round operation. The current construction also allows for rodents and insects to enter the building easily, which provides potential contamination pathways for water quality tests. Renovating this space would be prohibitively costly and does not significantly alleviate the space constraints on campus.

Project Summary

	Date	Board Action
Permission to Proceed with Project Planning	Sep. 2024	Requested



To meet the expanding needs of our students, faculty and researchers, the new Innovation & Discovery Lab would include a water-quality research lab, classroom space, workspace for faculty/researchers/interns, and storage for museum-quality specimens that have been collected and donated to Iowa Lakeside Lab.



Preliminary design only, floor plan

The Innovation & Discovery Lab would allow Iowa Lakeside Lab to expand its education and research, ultimately increasing the number of people who learn the importance of environmental stewardship through courses, youth education, community lectures and critical research projects.



As part of the budget, University of Iowa Facilities Management staff would provide project management and construction management services to Iowa Lakeside Lab for this project.