

Iowa Lakeside Laboratory Regents Resource Center



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Lakeside's Mission

The mission of the Iowa Lakeside Laboratory Regents Resource Center (ILLRRC) is to provide facilities and programming as a field station and community resource to support scientific education, research, and outreach programs of the Regent's universities and other institutions.



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Uniquely Located in Iowa's Great Lakes Region




Natural Areas

- Prairie
- Oak Savannah
- Wetlands
- Aquatic Vegetation
- Shoreline

147 Acres



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Education

- ❖ College Courses
 - ❖ Nature-based, hands-on, interdisciplinary
 - ❖ Collaborative with Regents and Community Colleges
- ❖ Internships & Career Skill Development
 - ❖ 35 college interns during summer of 2022 (public health, education, water quality, communication, invasive species, etc.)
- ❖ Developing STEM Professionals
- ❖ Scholarships through The Friends of Lakeside Lab
 - \$50,000 in endowed and general scholarships (2022)

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Education

- ❖ Pre-K-12 Education for NW Iowa Schools
- ❖ Summer STEM Camps (Pre-K to High School)
- ❖ No-School and Home School Day Programs
- ❖ Supporting Governor's STEM Advisory Council in NW Iowa Region
- ❖ 21st Century Skills including problem solving, critical thinking and communicating results of their work

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Partnership with the State Hygienic Laboratory

SHL Facility Located at Iowa Lakeside Lab
Serving Northwest Iowa

- Drinking Water Testing
- Wastewater Testing
- Sample Receiving Hub
- Career Training for STEM professionals interested in chemistry or medical, wastewater, and drinking water labs

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Research & Water Quality Projects



Tributary Monitoring to Iowa Great Lakes



Quantifying Value of Local Watershed Investments



Invasive Species



Bur Oak Blight Research



Beach Monitoring



Lake Monitoring

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Arts, Culture and Entrepreneurship

Artist-in-Residence Program
Writer-in-Residence Program
Okoboji Entrepreneurial Institute



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2021 Lakeside Interns

Outreach & Technical Assistance

Invasive Species Monitoring and Public Education

Water Monitoring (partnership - Dickinson County Soil and Water Conservation District)

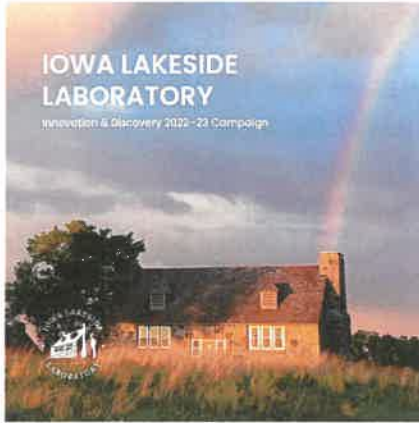
Archaeological Assessment of Abbie Gardner Sharp Cabin Site (Field Archaeology Course)

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Critical Campus Improvements Needed

- 1) Year-round Research, Classroom and Housing Facilities
 - Increased Capacity to meet growing demand
 - Address Safety Issues (Fire, Storm, Restricted Access)
- 2) ADA Improvements
- 3) Dedicated Functional Spaces
 - Water Quality Research
 - Additional Bathrooms
 - Larger Classroom Spaces
 - Collaborative Working Spaces
- 4) Lakeshore Protection & Improvements

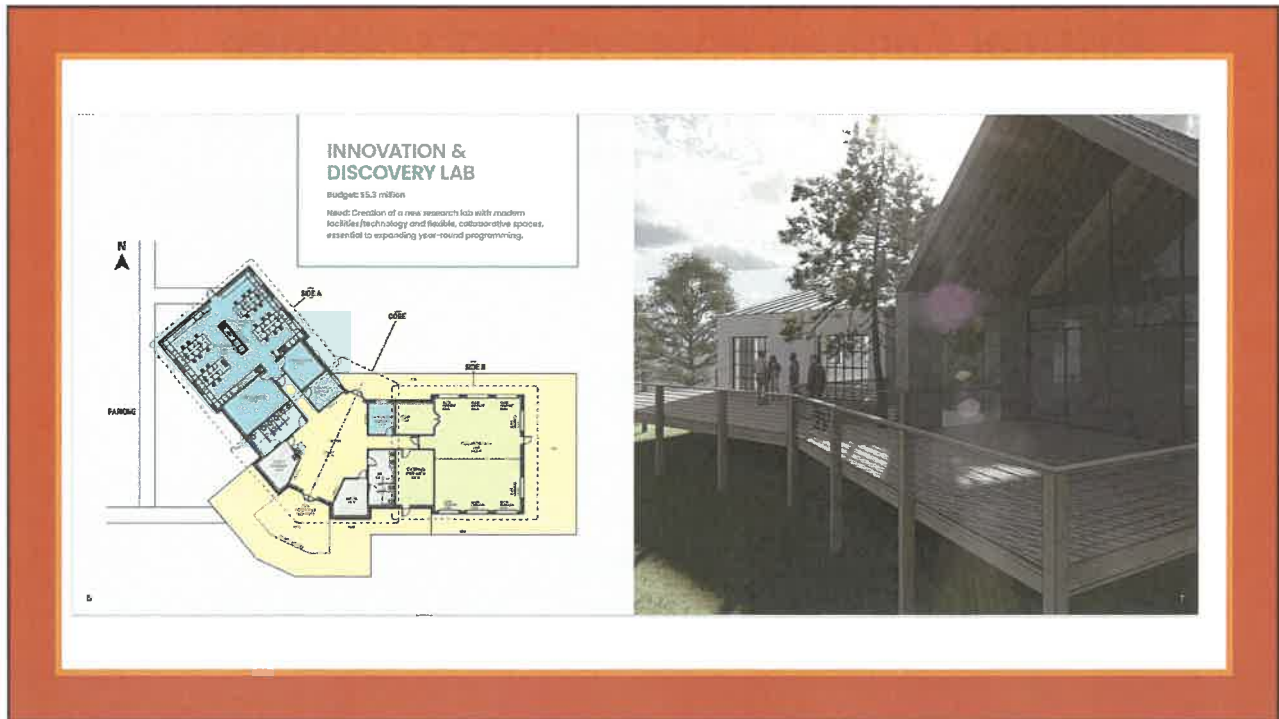
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Priority Projects

- Innovation & Discovery Laboratory Building
- Residence Hall
- Lakeshore Improvements & Limnology Lab

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LAKESIDE LAB HOUSING STUDY

CEDAR CABINS	2	1929X32	NO	NO	NO	NO	NO	POOR	
CEDAR CABINS DUPLEX	4	1929X32	NO	NO	NO	NO	NO	OKAY	
STONE CABINS	4	1929X32	NO	NO	NO	NO	NO	OKAY	
BROWN MOTEL - WEST	8	GREEN	YES	YES	YES	YES	YES	POOR	
BROWN MOTEL - EAST	8	PINK/RED	YES	YES	YES	YES	YES	POOR	
SOUTH MOTEL	7	PINK/RED	YES	YES	YES	YES	YES	POOR	
COTTON OUTAGE	1	GREEN/WHITE	YES	YES	YES	YES	YES	OKAY	

Housing Condition Report 2022

Cabins & Motels



- Lack fire suppression
- Lack storm shelters
- Lack ADA Accessibility
- Lack Secure Entry System
- Insufficient bed spaces to meet demand

Motels

- 40 beds
- Year-round use
- Original wiring, plumbing
- Not energy efficient

Cabins


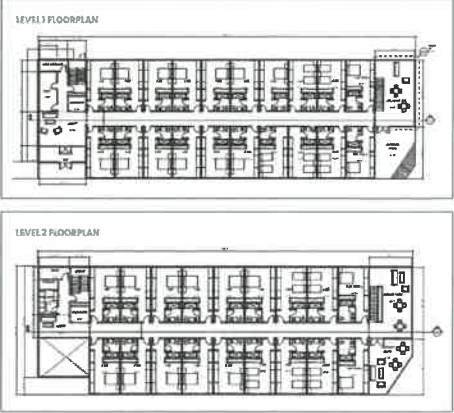
- 25 beds (10 cabins)
- Summer use only
- No heat or A/C
- Utilizes central bathhouse

Top: Existing Cabins
Bottom: North Motels



NEW RESIDENCE HALL



New Residence Hall \$8.3M; 40 units with 75-80 beds. Removing \$1M in Deferred Maintenance on Motels

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EXPENSE SUMMARY	
Innovation Lab	\$6.3 million
New Dormitory	\$8.5 million
Limnology Lab	\$1 million
PHASE I TOTAL	\$14.8 million

REVENUE SUMMARY	
Community Campaign	\$4 million
Foundation & Public Funding	\$10.8 million
PHASE I TOTAL	\$14.8 million

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- 1. Private Donors: \$4 million - Friends of Lakeside Laboratory**
 \$2.8 million secured in Okoboji from June - Dec 2022
 15 pending individual requests totaling \$750,000
 Multi-year pledges common, ranging from 2-5 years
 Several Donations Contingent Upon State Funding
- 2. Foundations/Grants: \$2.5 million**
 20-25 foundation requests throughout 2022-23
 Commitments from Dickinson County & Local Businesses
- 3. State Funding Request: \$8.3 million**
 Request approved by Iowa Board of Regents fall 2022
 Cash Flow Project over 3-5 years;
 \$1M 2023; \$4M 2024; \$3.3M 2025

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Timeline for campaign & construction

Campaign kick-off	✓ June 2022
Public funding kick-off	✓ August 2022
Secure public funding	☐ April 2023
Secure campaign pledge total	☐ June 2023
Construction begin	☐ September 2023
Construction complete	☐ January 2025

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Thank you for your time

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