

LSSU's Aquatic Research Laboratory

on the St. Marys River



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History of the ARL

- 1977- LSSU and Edison Sault Electric Co.
 - Sport fishery
 - Water quality
 - Whitefish rearing
- 1984 – MDNR - Atlantic salmon
- 1980s-2000s
 - Grayling
 - Brook trout
 - Rainbow trout



Fish Hatchery

- Atlantic salmon - 25,000 – 40,000 yearlings released annually



Fish Cam

www.issu.edu/arl



ARL's Mission

To combine **education** and **research** on aquatic biota and their associated habitats within the Great Lakes basin to serve the academic, scientific, and public communities

- Conduct hands-on undergraduate training
- Provide valuable scientific information
- Provide support for researchers
- Foster information transfer to the community



Research





Outreach



All this from so little...

- 3500 ft²
- Aquaria & raceways
- 2 small labs
- Office/meeting room



Renovation

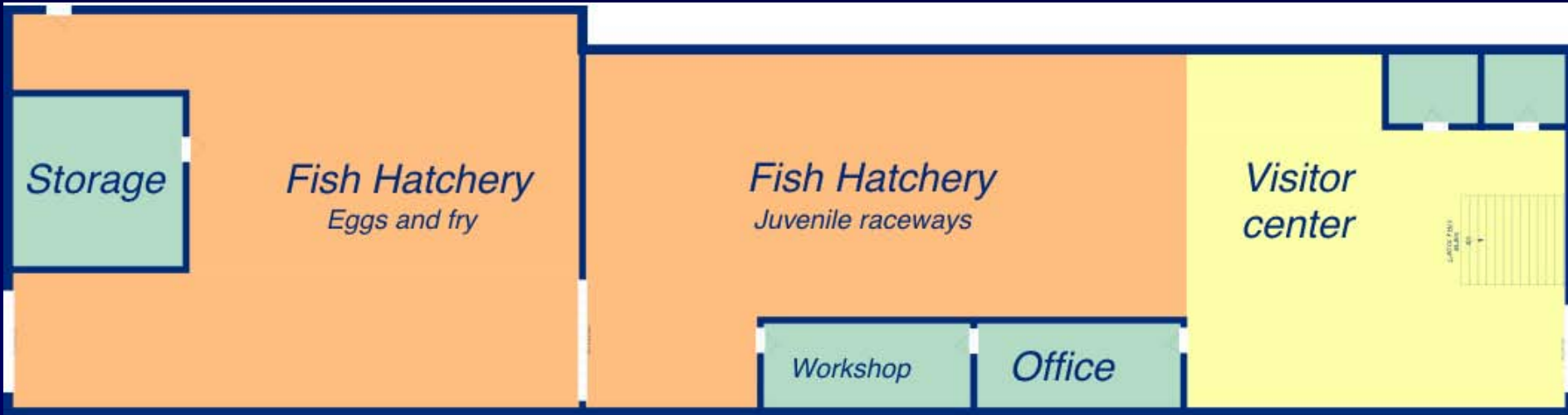


- > 16,000 ft² – 3 floors
- Aquatic animal diagnostics lab – MDNR collaboration
- Classrooms & research space
- Visitor's center
- Discovery center (K-12)
- Dedicated research and teaching labs
- Offices and accommodations for collaborators

Renovation



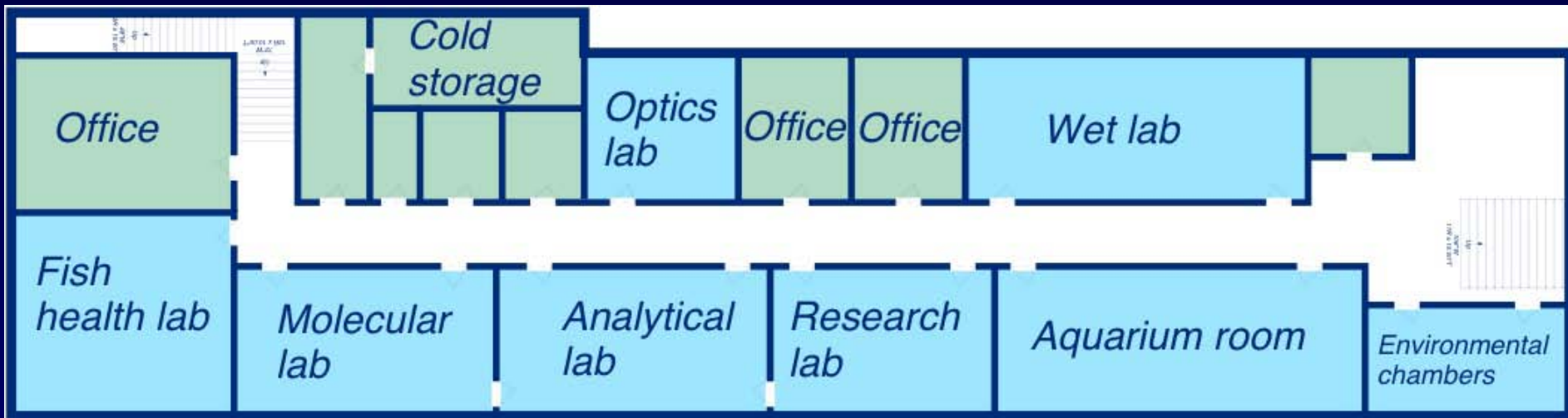
First floor - Hatchery and Visitor Center



Renovation



Second floor - Labs and Fish Health



Renovation



Third floor - Education and outreach

**Roof-top
garden**

