

Rocky Mountains Cooperative Ecosystem Studies Unit
Project Summary

Project Title: Submerged habitat mapping assistance for national parks – Rocky Mountains CESU

Discipline: Natural

Type of Project: Technical Assistance and Education

Funding Agency: National Park Service

Other Partners/Cooperators: Forest Range Community College

Student Participation: Yes

Effective Dates: March 1, 2020-December 31, 2024

Funding Amount: \$25,000

Investigators and Agency Representative:

NPS ATR: Jay Glase, Regional Fishery Biologist, National Park Service, 2800 Lakeshore Drive East, Ashland, WI 54806, 715-682-0631, Jay_Glase@nps.gov

Investigator: Jamie Hoover, Geospatial Science Faculty, Front Range Community College, Department of Math and Science, 2121 Miller Dr , Longmont, CO 80501, 303-678-3685, jamie.hoover@frontrange.edu

Project Abstract:

Project Goals – This project engages Front Range Community College (FRCC) faculty and students in providing technical geospatial expertise in support of habitat mapping efforts in Great Lakes and/or other coastal national park units. Broadly, these mapping efforts aim to advance the science of habitat mapping, guide coastal resource management decisions in the parks, and provide education and outreach tools to engage the public.

Project Objectives – Project objectives may include compiling topobathy and ground-truthing datasets, developing mapping visualization products, classifying habitats, writing metadata, and developing briefing and outreach materials. Initially, project activities will focus on processing ground-truthing datasets and developing mapping visualization products for use in resource management and outreach for Sleeping Bear Dunes National Lakeshore.