



Great Lakes  
Research Center

# Marine Research Assets Shared Facility (MRAF)



## Professional Staff

### Jamey H. Anderson

Coordinator, Marine Operations  
Manager, Marine Research Assets Shared Facility

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Professional Preparation and Education:

- Bachelor of Science, Geography, Utah State University
- Certified Boeing WaveGlider Operator



Primary responsibility for maintenance and operation of survey and research vessels, coastal monitoring buoys, Remotely Operated Vehicles (ROVs), Autonomous Underwater Vehicles (AUVs), and Autonomous Surface Vessels (ASVs) and other associated marine technologies.

Provides logistic and scientific support to Michigan Tech faculty and staff, as well as State and Federal partners, including vessel and equipment training, operation and scheduling, budget and proposal development, and project management.

Manage and promote the Marine Research Assets Shared Use Facility (MRAF) facility operation in collaboration with operations and research directors including coordinating and facilitating needs of visiting scientists from state, federal agencies and other universities.

#### **Synergistic Activities:**

Co-Investigator for Ontario Power Generation - Early-Warning System Targeting Water Intake Fouling by Cladophora. Design, test, build, deploy in-situ marine observation and sampling infrastructure in support of early warning system. Deploy other sensor systems and AUVs in support of project Co-Investigators.

Previous Co-Investigator for City College of New York/U.S. Federal Highway Administration - Post-Hazard Engineering Assessment of Highway Structures. Deployed semi-autonomous sensor systems in tidal and riverine systems to assess morphological change/scour near bridge abutments.

#### **Example Publications:**

W.C. Kerfoot, M.M. Hobmeier, F. Yousef, S.A. Green, R. Regis, C.N. Brooks, R.A. Shuchman, J. Anderson, & M. Reif (2014). Light Detection and Ranging (LiDAR) and Multispectral Scanner (MSS) Studies Examine Coastal Environments Influenced by Mining. *ISPRS International Journal of Geo-Information*, 3(1), 66-95.

J.H. Anderson, K.T. Weber, B.K. Gokhal, F. Chen (2011). Intercalibration and Evaluation of ResourceSat-1 and Landsat-5 NDVI. *Canadian Journal of Remote Sensing*, 2011, 37(2): 213-219