



Urban Coast Institute: Survey Memo

Monmouth University's Urban Coast Institute (UCI) has developed capacity and a track record for conducting hydrographic survey projects throughout the region in coastal, inland waters, streams and lakes. The effort is led by Mr. James Nickels the UCI Marine Scientist. Mr. Nickels has more than 25 years of experience developing and running surveys. He is an American Congress of Survey and Mapping (ACSM) certified hydrographer and holds a United State Coast Guard Masters License for vessels up to 100 tons.

The UCI can provide depth surveys by using a dual frequency survey grade echo sounder or 488 kHz Multibeam sonar that yields a swath wide of up to 10x the water depth per pass. The UCI has two side-scan sonar units that could support debris mapping and search and recovery efforts. Positioning can be accomplished using differential or RTK GPS units. We have a full suite of applications software for data collection, processing and presentation use. Survey operations can be conducted from our vessels or other vessels of opportunity.

The Urban Coast Institute was established in September 2005 as one of Monmouth University's "Centers of Distinction." The mission of the Urban Coast Institute is to serve the public interest as a forum for research, education and collaboration that fosters the application of the best available science and policy to support healthy and productive coastal ecosystems and a sustainable and economically vibrant future for all of our coastal communities.

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URBAN COAST INSTITUTE
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