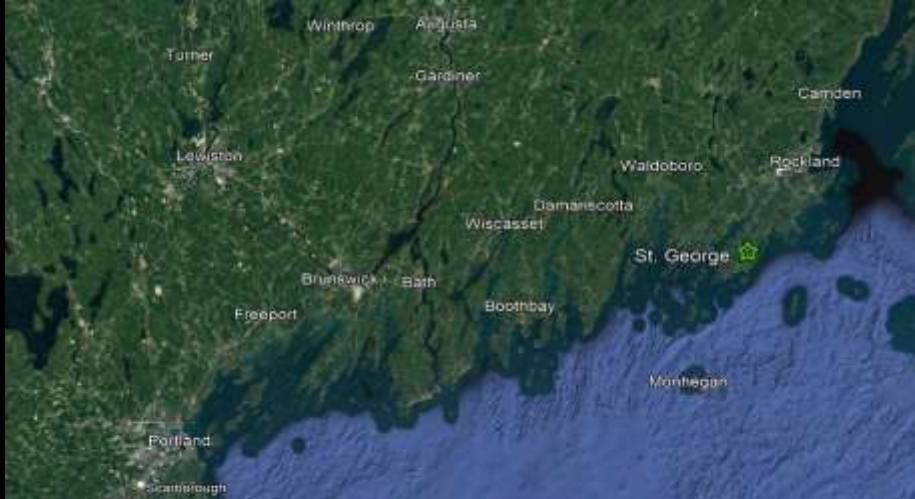




Rising Tides - Safe Roads, Working Waterfronts & Protecting History

The St. George Resiliency Project



An aerial photograph of a coastal town and harbor. The town is built on a peninsula with green trees and some houses. The harbor is filled with many small boats. In the background, there are many small islands in the blue water. The sky is clear and blue.

The Team

(*to date)



Town of
St. George
Select Board



Richard Bates
Chair



Van Thompson
Member



Terry D. Bennett, PLS, LLS, MRICS
VP Survey-Geomatics | Project
Principal



Brian Williams, PLS
Geomatics Field Services Lead



Mike Celeste
Senior Surveyor



Kira Harmon
VDC Project Manager



Kylie S. Mason, RLA, LEED AP
Chief Operating Officer | Design
Charette & Presentation Lead



Daniel L. Riley, P.E., C.F.M.
VP, Engineering

Overall Project Management | Field Teams Logistics | 3D data
capture & modeling

Mitigation & design optioneering
charettes | town & public
presentations organization



SEARCH

Michael Arbuthnot, MS, RPA
Vice President



Chris Clement, PhD, RPA
Lead Principal Investigator



Jordon D. Loucks, PhD, RPA
Project Manager
Municipal Sector Leader



Cultural Resource management | maritime archaeology
expertise



Pete Kelsey
Owner/Technologist



3D Data capture | technology &
storytelling expertise



Meg Rasmussen
Community Sustainability Planner



D. Whitney King, PhD
Dr. Frank and Theodora Miselis Professor of Chemistry



Hannah Baranas, PhD
Post Doctoral Researcher

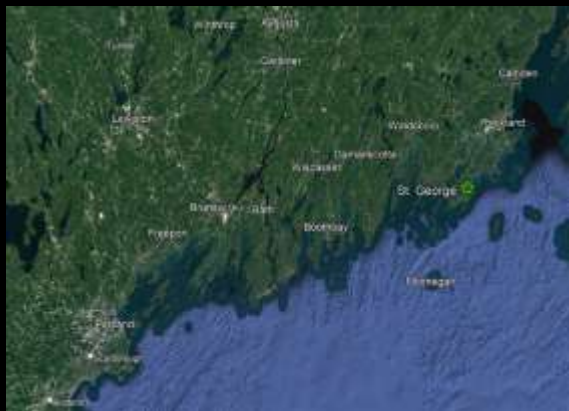


Assistance to municipalities and
counties | planning and
development policies

Allen Island Support | Chemical
oceanography & environmental
chemistry

Tidal datums, sea level projections,
| extreme stillwater elevations
modeling

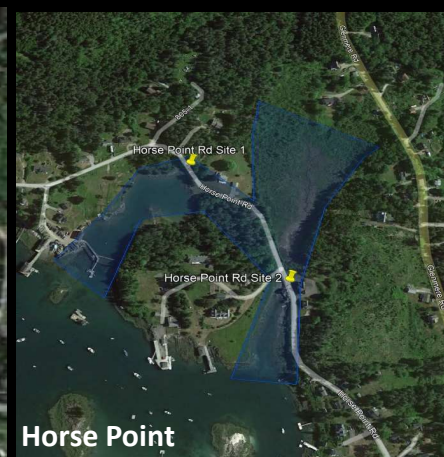
The Project Sites



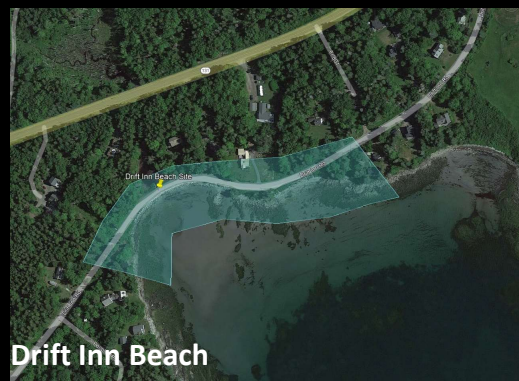
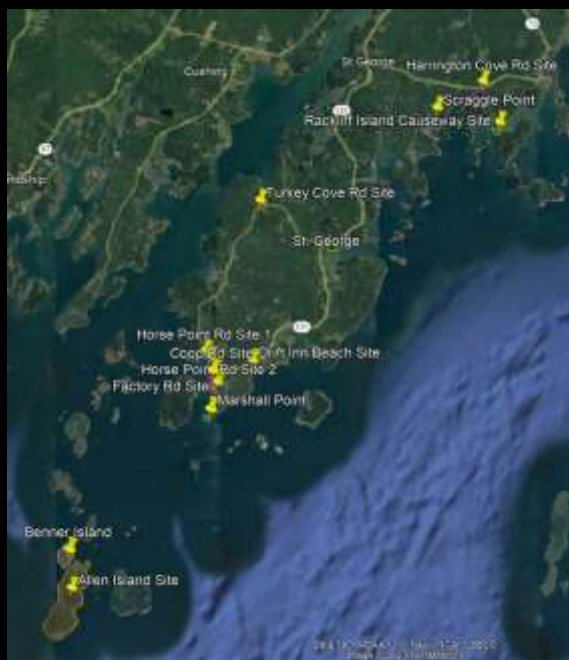
Co-Op



Factory Rd



Horse Point



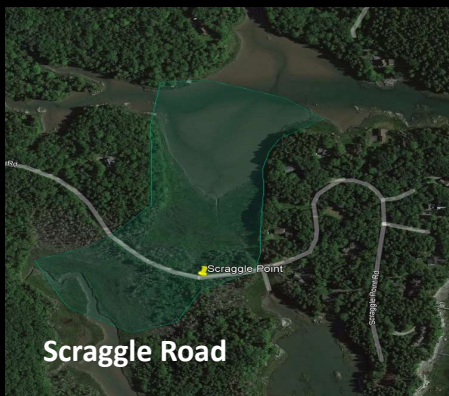
Drift Inn Beach



Harrington Cove



Rackliff Causeway



Scraggle Road



Marshall Point Lighthouse



Turkey Cove

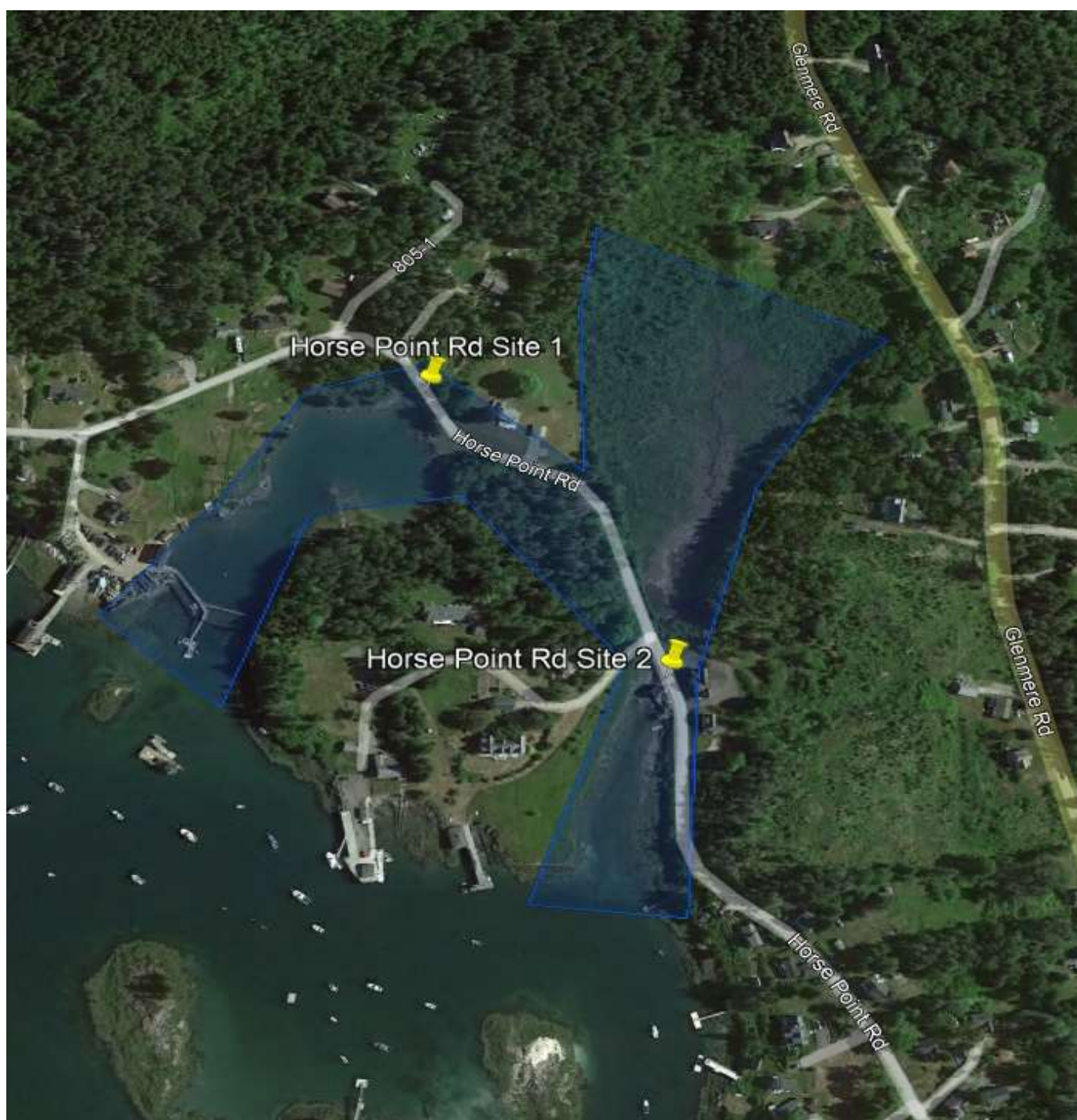
Co-op



Factory Road



Horse Point



Drift Inn Beach



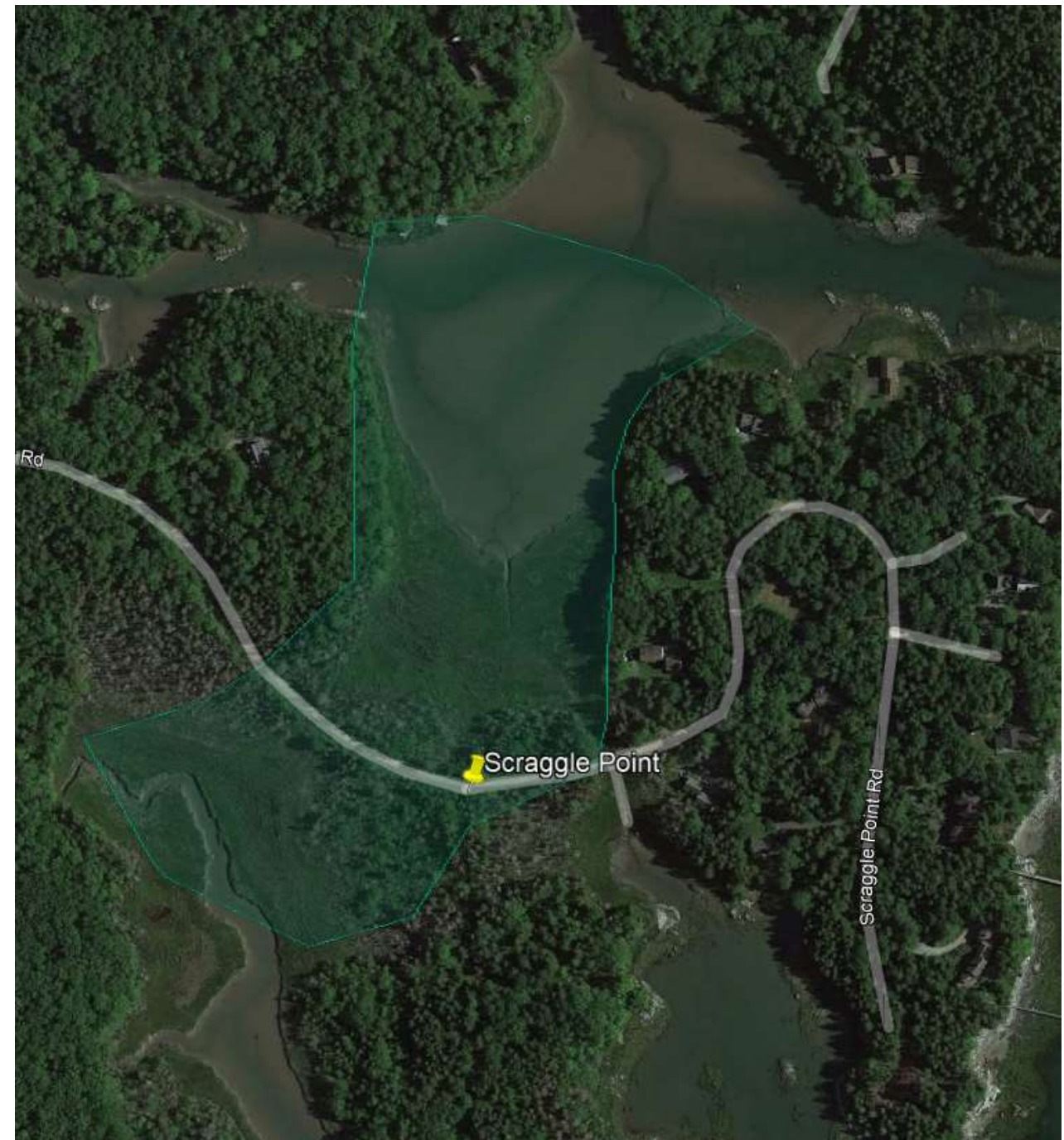
Harrington Cove



Rackliff Island Causeway



Scraggle Point



Marshall Point Lighthouse

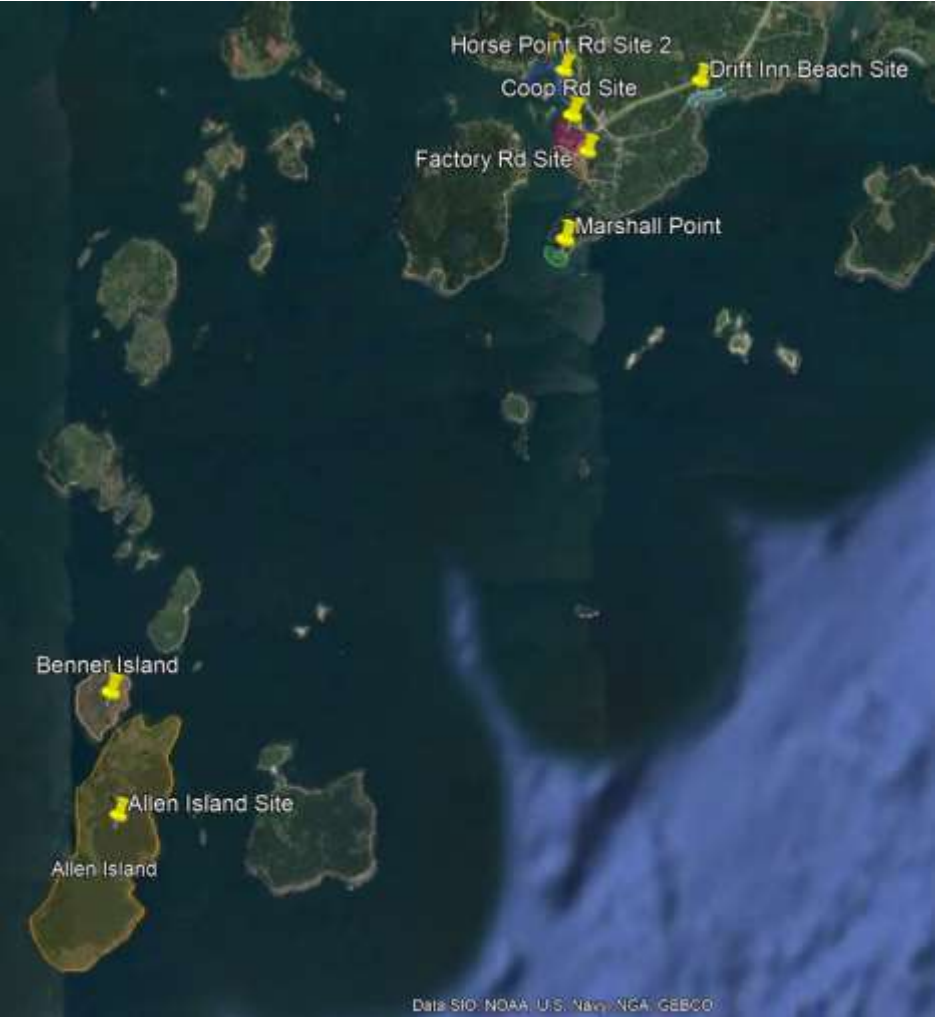


Turkey Cove



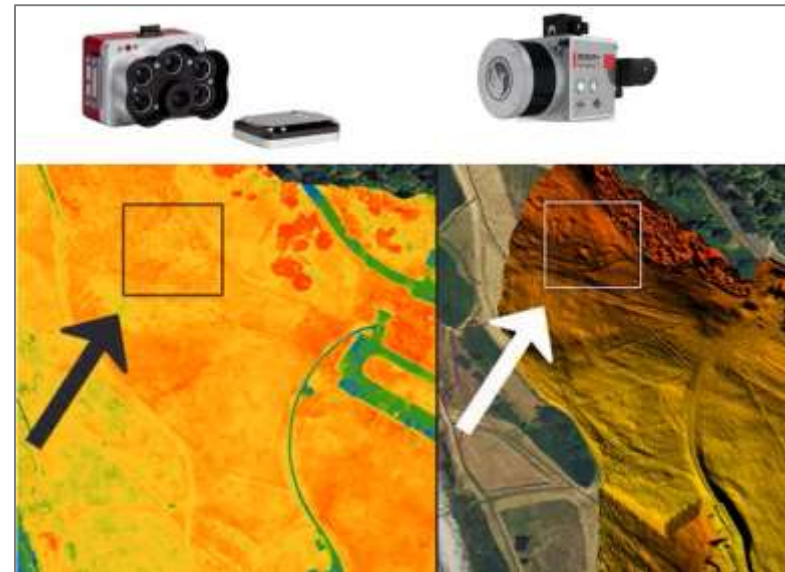
Allen & Benner Islands

National Register of Historic Places
and National Historic Landmarks

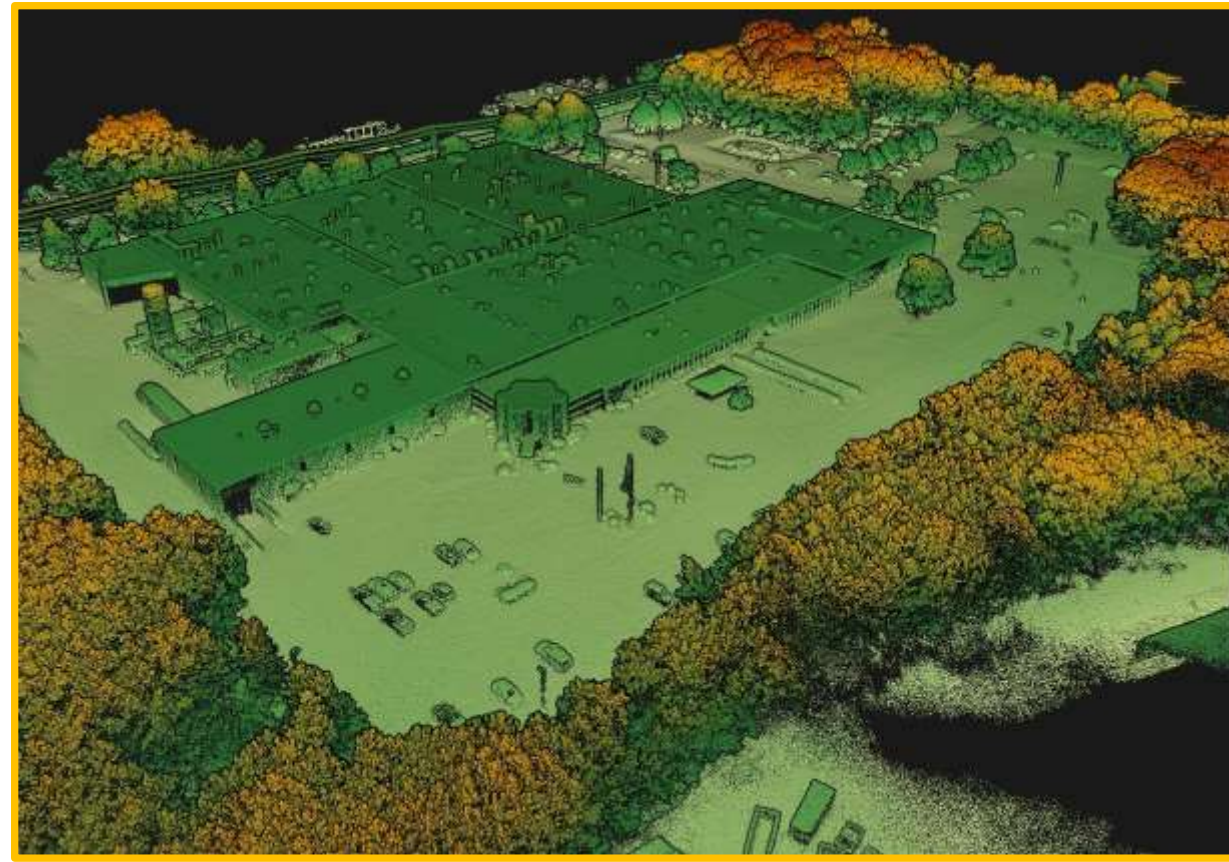
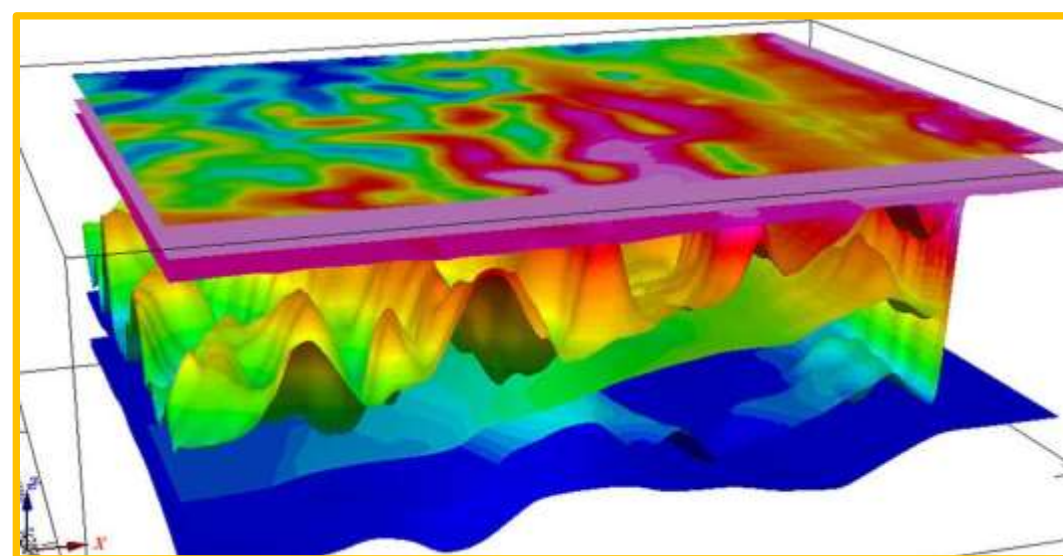
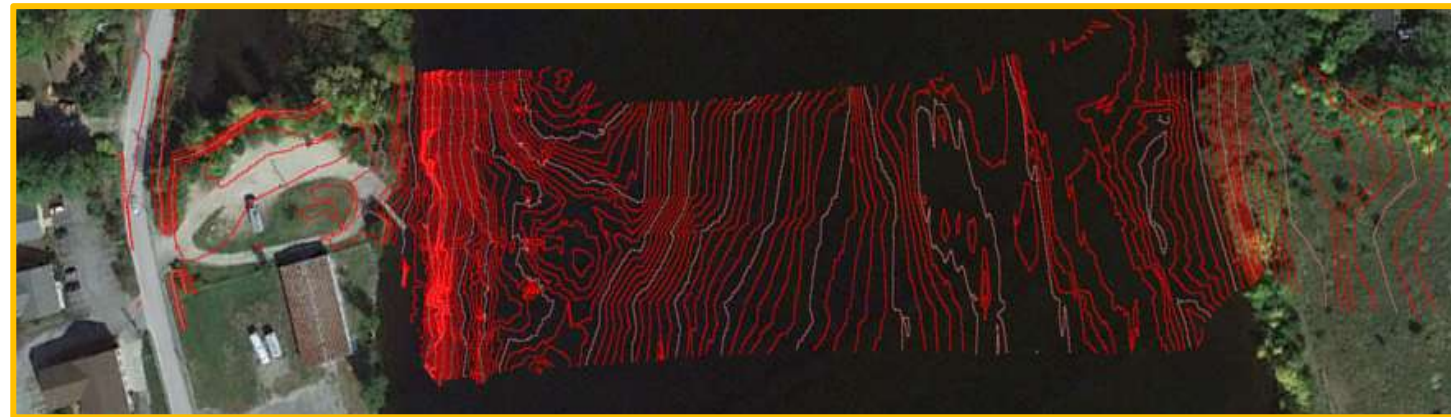


10/28/1977		SAIL LOFT	MARITIME HISTORY		MANUFACTURING FACILITY	OFF ME 131	SAINT GEORGE
9/29/1983		MOSQUITO ISLAND HOUSE	ARCHITECTURE	EXPLORATION/SETTLEMENT	SINGLE DWELLING	MOSQUITO ISLAND	SAINT GEORGE
12/15/1983		ALLEN'S ISLAND, SITE 17.76	ARCHAEOLOGY		PREHISTORIC SITE	ADDRESS RESTRICTED	SAINT GEORGE
11/20/1987		TENANTS HARBOR LIGHT STATION	MARITIME HISTORY	ENGINEERING	COAST GUARD FACILITY	SOUTHERN ISLAND	SAINT GEORGE
3/14/1988		WHITEHEAD LIGHT STATION	MARITIME HISTORY	ENGINEERING	COAST GUARD FACILITY	WHITEHEAD ISLAND	SAINT GEORGE
3/23/1988		MARSHALL POINT LIGHT STATION	MARITIME HISTORY	ENGINEERING	COAST GUARD FACILITY	MARSHALL POINT, PORT CLYDE HBR	SAINT GEORGE
10/12/1988		WHITEHEAD LIFESAVING STATION	MARITIME HISTORY		COAST GUARD FACILITY	WHITEHEAD ISLAND	SAINT GEORGE
9/8/2011		LAND'S END HISTORIC DISTRICT	ARCHITECTURE	SOCIAL HISTORY	HISTORIC DISTRICT - SUMMER COLONY	ADDRESS RESTRICTED: MARSHALL POINT RD & VICINITY	SAINT GEORGE

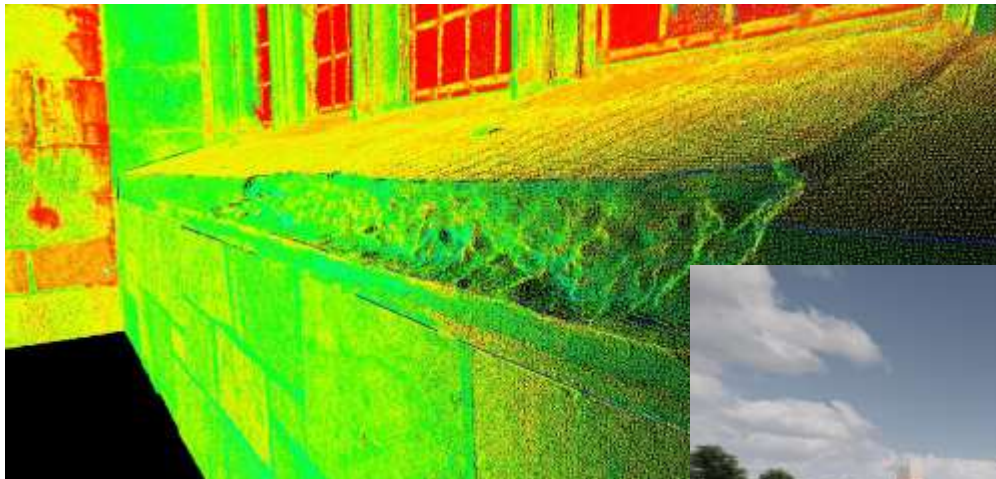
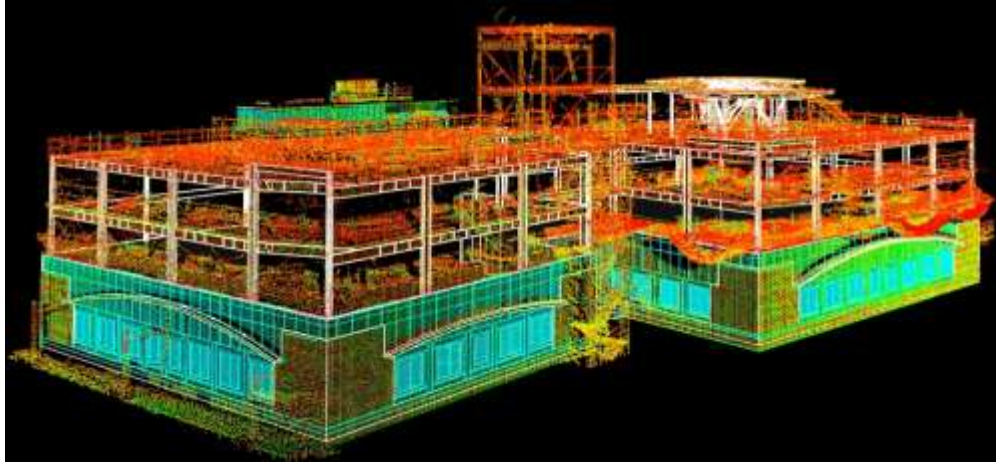
The Technology Being Deployed...



Level of Detail...



Visualizations...





Project Timeline

Project Set up

Begin Planning
Grant submission
Meeting with Select board members

Gather/determine critical sites
Team visits to sites

Project Team Coordination
with Colby College & Gulf of
Maine Research Institute

Data Capture

Interest Group Meeting

Gather cultural/archeological &
available data

Planning Field Capture

3D data capture all sites

Data Processing /3D Modeling

Processing data
Create preliminary 3D models
Begin data analysis
Town residents data sneak peak

Begin Mitigation Analysis
Discuss Challenges
Design Charette Optioneering
Town residents discovery presentation

Community Engagement

Public Case Study Seminar

Lessons Learned

Implications for other communities

Charting a path forward for Maine

Winter

Spring

Summer

Early Fall

An aerial photograph of a coastal region featuring numerous small, forested islands scattered across a large body of water. In the foreground, a bay is filled with many sailboats. The shoreline is lined with dense green trees and some residential buildings. The sky is clear and blue.

Questions?