

# SITE EVALUATION - PHASE 2

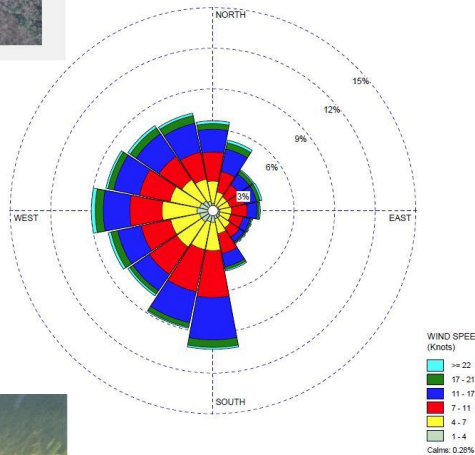
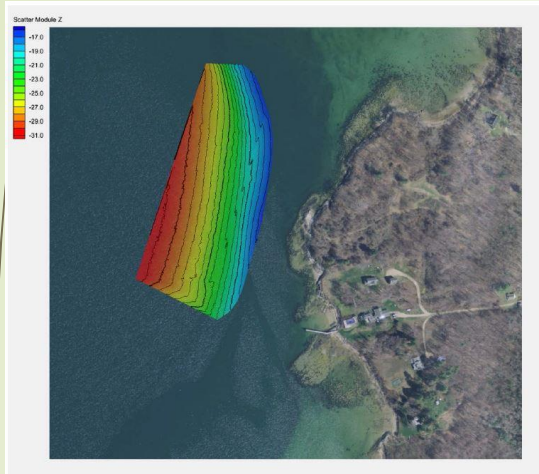
## Sunset Landing Project



# Phase I Recap

- **Boundary Survey of Sunset Landing Parcel**
- **Topographic Survey with 2-foot contours**
- **Vernal Pool Survey**
- **Wetland Delineation & Soils Analysis**
- **Survey of Potential Archaeological Sites**
- **Coastal Communities Grant**

# Phase II Introduction



- Coastal Communities Grant
- Bathymetric Survey
- Eel Grass Survey
- Wind & Wave Analysis
- Phase I/II Archaeology
- Composite Base Map



# Costal Communities Grant

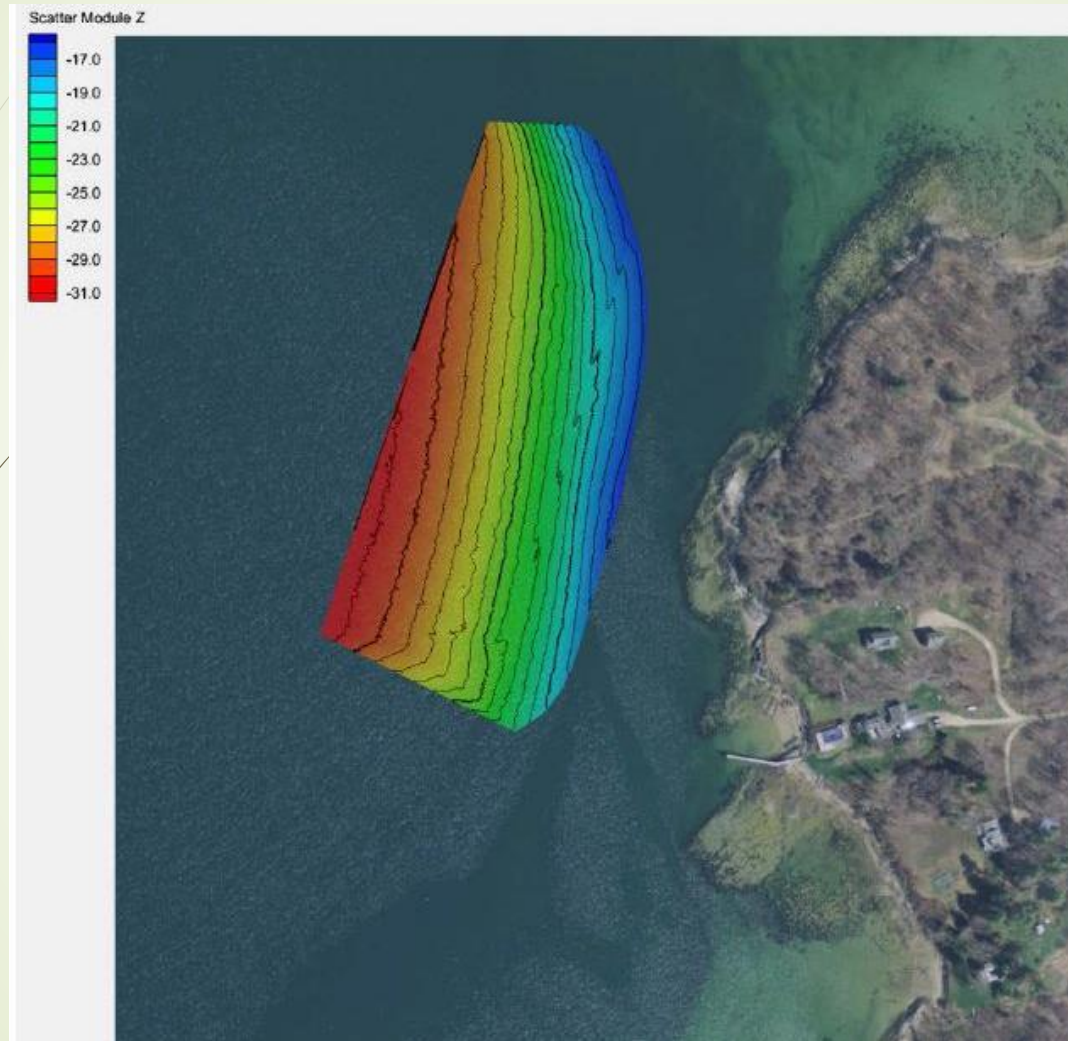
- Administered by Maine Department of Agriculture, Conservation & Forestry – Maine Coastal Program
- Provided \$20,000 to complete phase 2 work with a required Town contribution of \$8,000
- Phase 2 scope was developed around the \$28,000 budget



Maine Coastal  
Program



# Bathymetric Survey



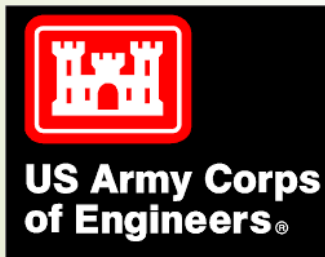
# Eel Grass Survey



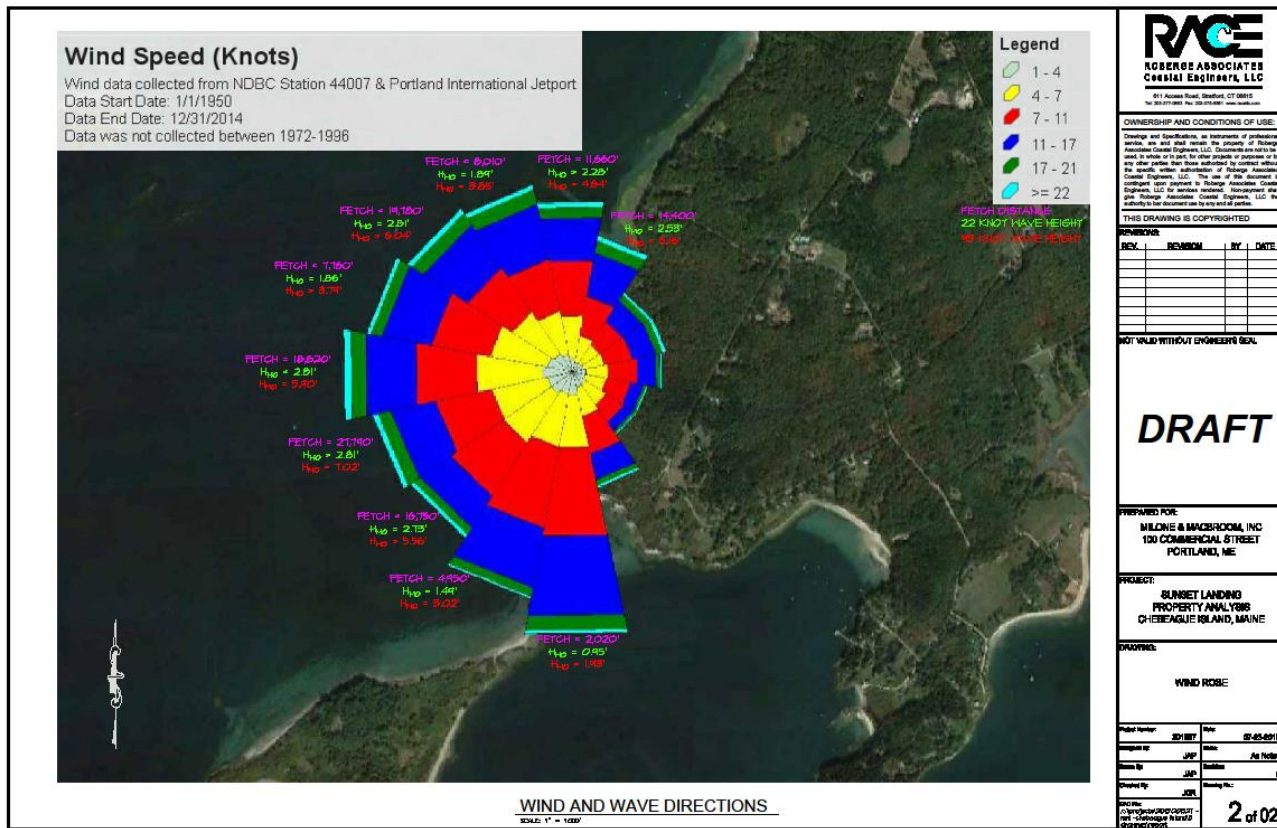
# Eel Grass Survey



- **Maine DEP and US Army Corps of Engineers requires Avoidance and Minimization of Eel Grass Bed Impacts**
- **Impacts greater than 500 SF generally require Compensation**
- **Consultation with Maine DEP and US Army Corps of Engineers required for any direct impacts or secondary impacts**



# Wind & Wave Characteristic Analysis



**RACE**  
 ROBERGE ASSOCIATES  
 CONSULTING ENGINEERS, LLC

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 Tel: 802.978.8888 Fax: 802.978.8889 www.raceinc.com

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**DRAFT**

PREPARED FOR:  
 MILONE & MACBROOM, INC  
 130 COMMERCIAL STREET  
 PORTLAND, ME

PROJECT:  
 SUNSET LANDING  
 PROPERTY ANALYSIS  
 CHEBEAGUE ISLAND, MAINE

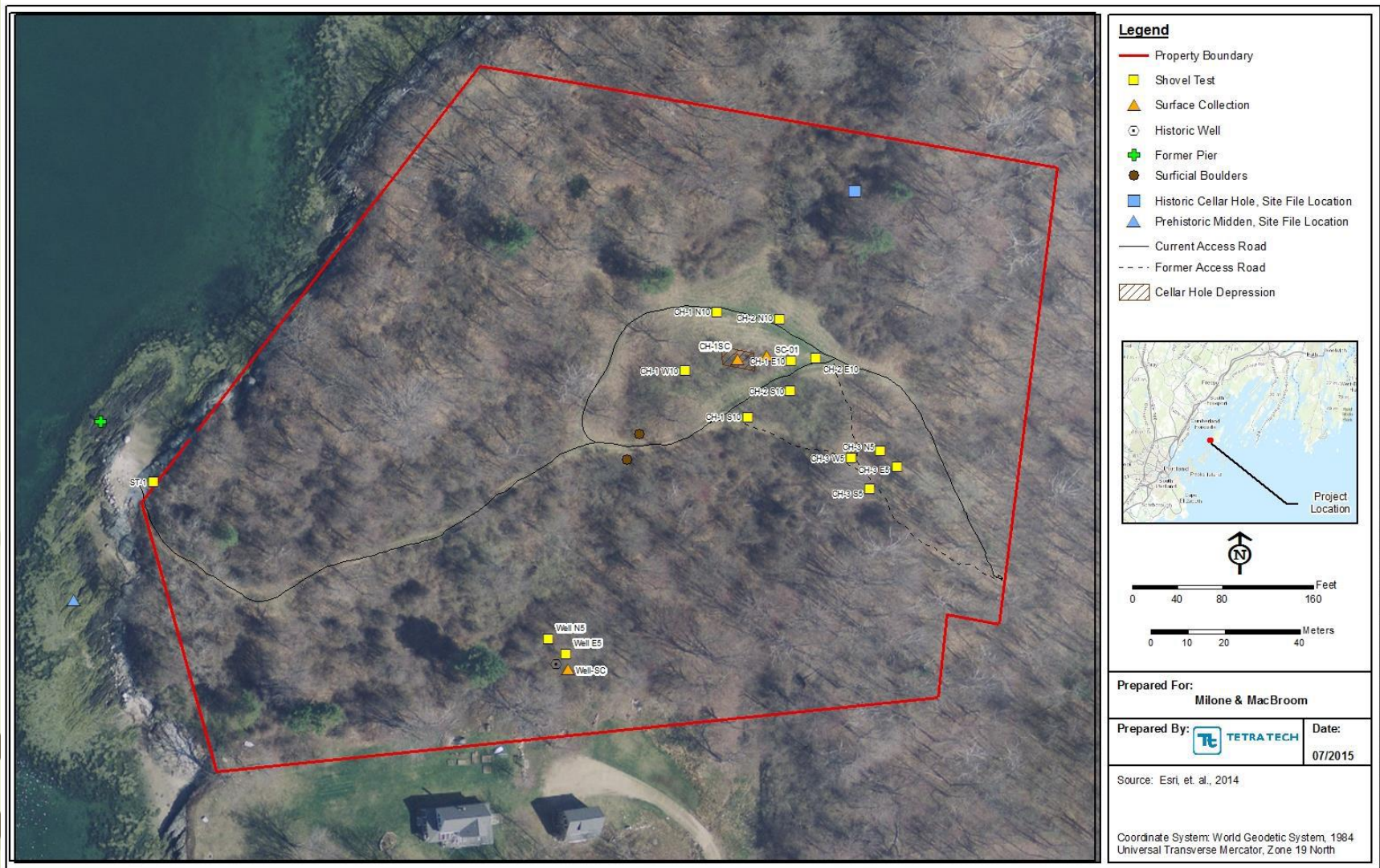
DRAWING:  
 WIND ROBE

Project Number:	201307	Date:	05-05-2015
Prepared by:	JSP	Scale:	As Noted
Checked by:	JSP	Revisions:	0
Drawn by:	JSP	Sheet No.:	2 of 02

PROJECT: CHEBEAGUE ISLAND PROPERTY ANALYSIS  
 SHEET: WIND ROBE

- Typical Waves of 1' to 3' originate from south and northwest winds
- Waves of 5' to 7' are expected under severe weather conditions
- Most beneficial when compared with other sites
- Concerns with ice

# Phase II Archaeology



# Shell Middens

- One Shell Midden found - historic period origin
- Attributed to mid-twentieth century foot traffic
- No further investigation recommended



**Photo 9.** East view of the historic shell midden identified during the 2015 survey. The outlet of the unpaved access road across the parcel is visible in the right distance of the photo.



**Photo 10.** East view of historic shell midden identified during the 2015 survey.

# Cellar Hole 1

- The Phase 1 survey identified 3 cellar holes
- Cellar Hole 1 MHPC site ME 110-006
- Located in the center of the property
- 314 Artifacts recovered



Photo 13. North view of CH-1 (ME 110-006), the photographer is positioned adjacent to the eastern side of the cellar hole depression.



Photo 15. View of CH-1 (ME 110-006) south wall from within the cellar hole depression.

# Cellar Hole 2

- A series of surficial stones in square formation
- Located 2m east of CH-1 – likely an outbuilding
- 141 Artifacts recovered



**Photo 16.** East view of the CH-2 depression located within a patch of lily of the valley and adjacent to CH-1 (ME 110-006)



**Photo 17.** North view of CH-2; note the patch of lily of the valley within and surrounding the cellar hole.

# Cellar Hole 3



Photo 18. Northeast view of CH-3, the orange pin flag in the center foreground marks CH-3 S5. The photographer is positioned on a section of the former access road.

- Located 50m southeast of CH-1
- Slight depression (5m dia) and series of intermittent stones in square pattern
- Two boulders may have marked access road
- 96 artifacts recovered

# Hand Dug Well



Photo 20. Northwest view of the hand dug well located along the southern property boundary.

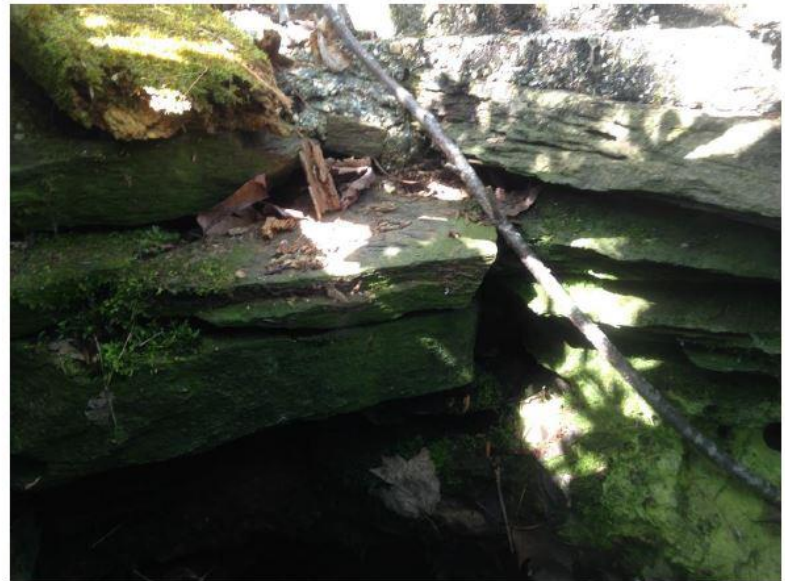


Photo 21. View of the northeast corner of the hand dug well located along the southern property boundary.

# Summary of Archaeology

- **Artifact collection suggests occupation range 1840-1920**
- **Older artifacts recovered were likely retained or handed down**
- **Date range of artifacts aligns well with historic background search**
- **Site disturbance should be limited within 50 feet around Cellar Holes until a Phase 2 survey can be completed**
- **Artifacts will be curated, catalogued and returned to the Town**

# Development of Composite Map

# Site Development Considerations

- **Access to Property over Elizabeth Road**
- **Shoreland Zoning & Municipal Review**
- **Septic System Design**
- **Domestic Water Needs**
- **Electric, Telephone & Data from North Street**
- **Local, State and Federal Permits**
- **Community Needs**
- **Abutter Concerns**