

APPENDIX A: STUDY AREA MAPS

Figure A1. Figure A1 Bluff Resilience Case Study Locations - Casco Bay Maine
Description: This map shows the locations CCSWCD has selected for case studies for its work on the State-led "Building Resiliency Along Maine's Bluff Coastline" project. Other project partners include Maine Geological Survey, Maine Dept. of Agriculture, Conservation, and Forestry, and the University of Maine (Orono). Bustins is one of four CCSWCD site locations.

Figure A2. Bustins Island Overview
Description: This map provides an overview of drainage patterns on Bustins Island as well as the selected Study sites (1-11). It also shows coastal bluff stability classifications created by the Maine Geological Survey. The drainage delineations were derived from 2m LiDAR elevation data using ArcGIS hydrology tools. Please note that the outputs are approximations and required manual adjustment by CCSWCD in some cases due to human modification of drainage patterns.

Figure A3. Case Study sites
Description: This map shows a "zoomed in" view of the data described in Figure A2, with additional topographic and hydrologic information. The additional hydrologic information includes drainage flow lines, as derived from Lidar.

Figure A4. Soils
Description: Information provided in this figure sourced from Maine Geologic Survey, Open-File No. 99-83 1999

Figure A5. Bustins Island Public Safety Map
Description: Map includes parcel information and local landmarks for reference purposes.



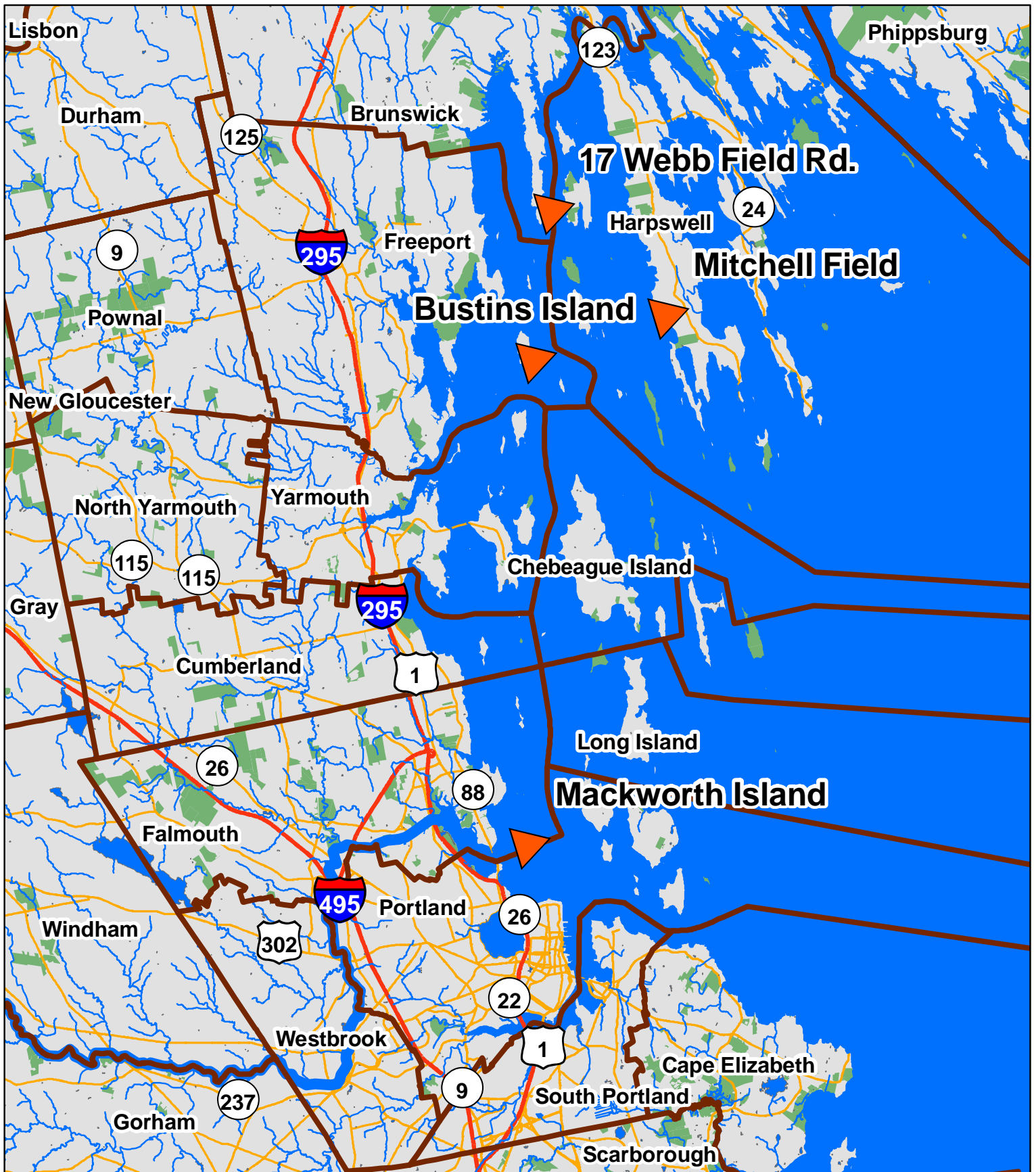









Figure A1: Bluff Resilience Case Study Locations: Casco Bay, Maine

See Appendix A for description

Disclaimer- Watershed boundaries and other datasets represented here are not warranted for completeness or accuracy by CCSWCD. This map is to be used for planning and demonstration purposes only.

Data: MEGIS, CCSWCD, ESRI. Coordinates: NAD83, UTM, 19N
 Map: CCSWCD, Feb. 2017 Drawn by Damon Yakovleff, CCSWCD

-  Case Study Locations CCSWCD
-  Town Boundary
-  Stream
-  Interstate Highway
-  Major Road
-  Local Road
-  Conserved / Institutional

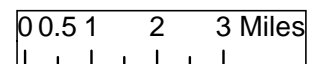


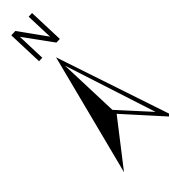


Figure A2: Bustins Island Overview See Appendix A for description

Disclaimer- Datasets represented here are not warranted for completeness or accuracy by CCSWCD. This map is to be used for planning and demonstration purposes only.

Data: MEGIS, CCSWCD, ESRI, MGS.
 Coordinates: NAD83, UTM Zone19N
 Map: CCSWCD, May 2017
 Drawn by Damon Yakovleff, CCSWCD

- ▲ Bustins Sites
- Sub-Watershed (Acres)
- Stable
- Unstable
- Highly Unstable
- Local Road



1 inch = 333 feet

0 0.05 0.1 0.2 Miles

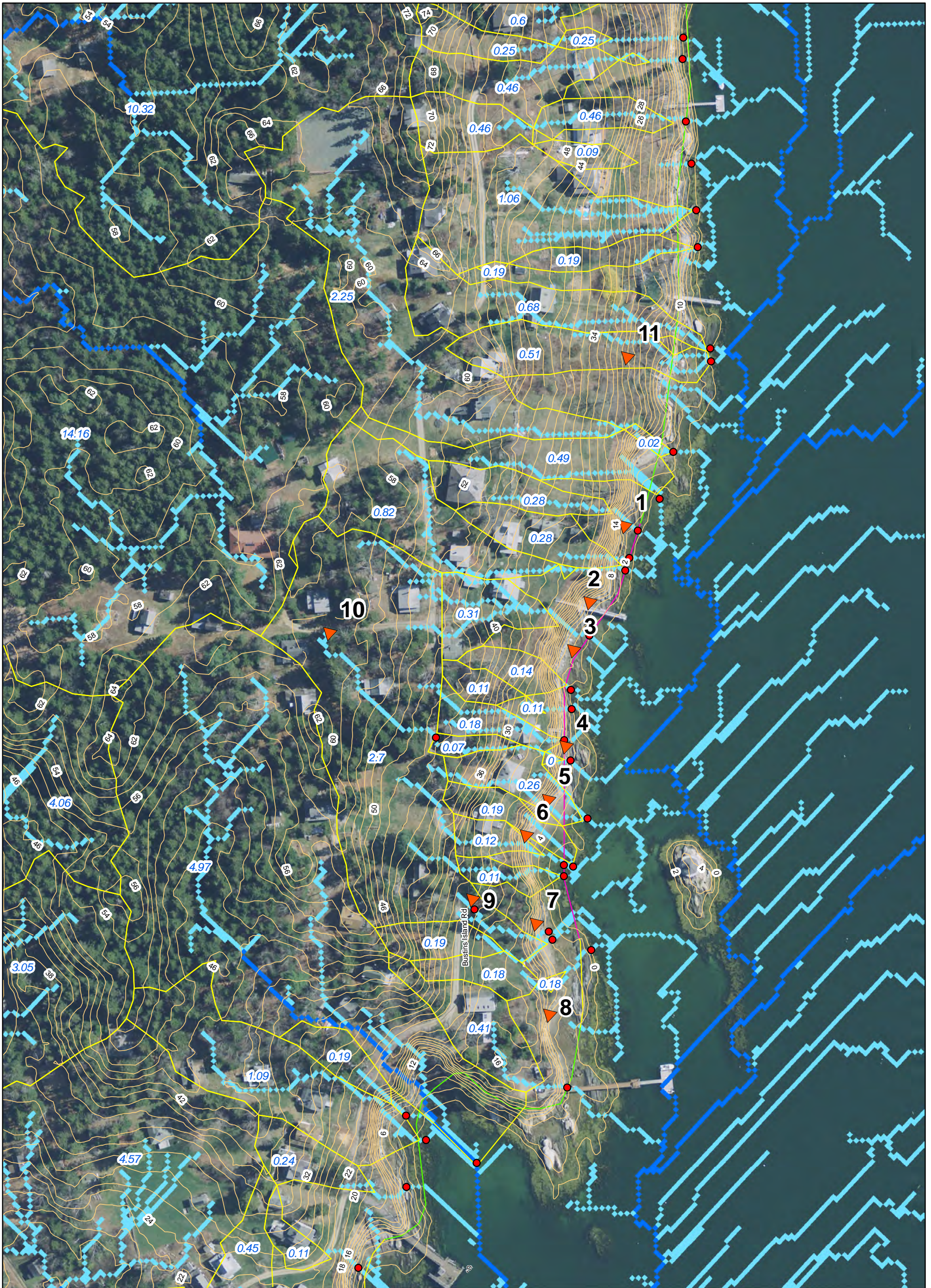


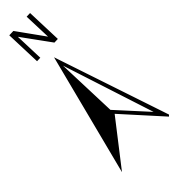
Figure A3: Case Study Sites

See Appendix A for description

Disclaimer- Datasets represented here are not warranted for completeness or accuracy by CCSWCD. This map is to be used for planning and demonstration purposes only.

Data: MEGIS, CCSWCD, ESRI. MGS
 Coordinates: NAD83, UTM Zone19N
 Map: CCSWCD, May, 2017
 Drawn by Damon Yakovleff, CCSWCD

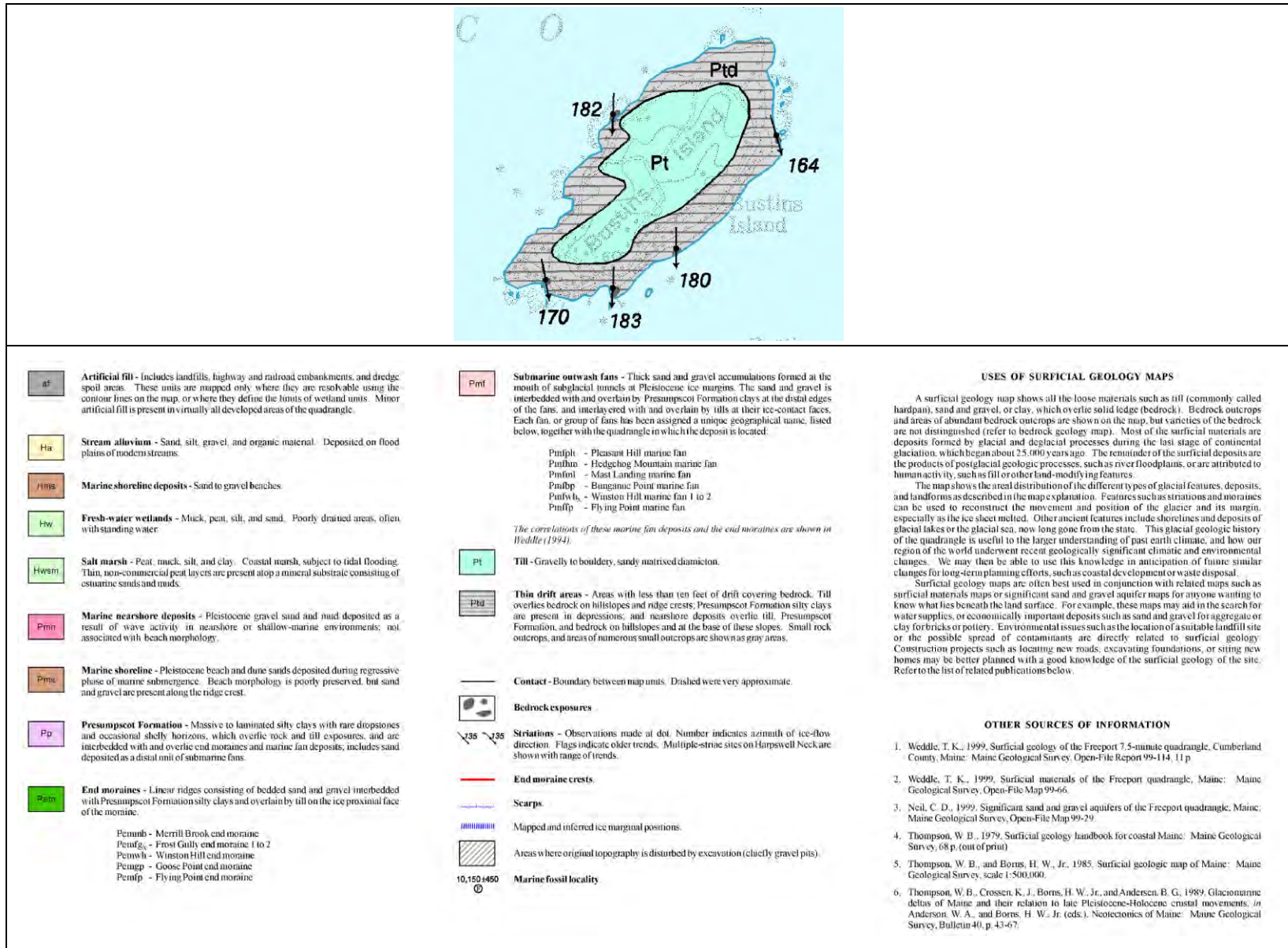
- Bustins Sites
- 2 ft Contours
- Stable
- Unstable
- Highly Unstable
- Local Road
- Sheet Flow
- Minor Drainage
- Major Drainage
- Sub-Watershed (Acres)
- Pour Point



1 inch = 133 feet

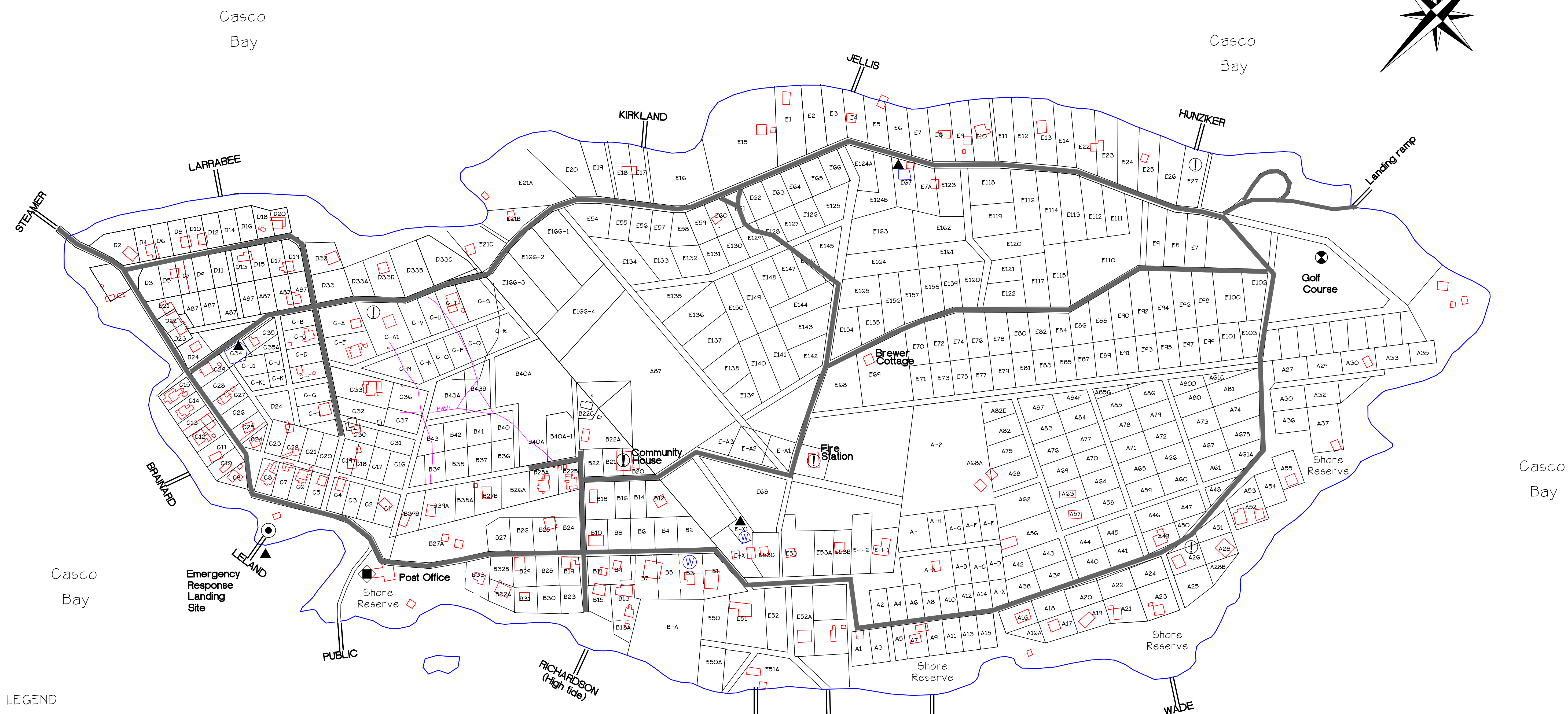
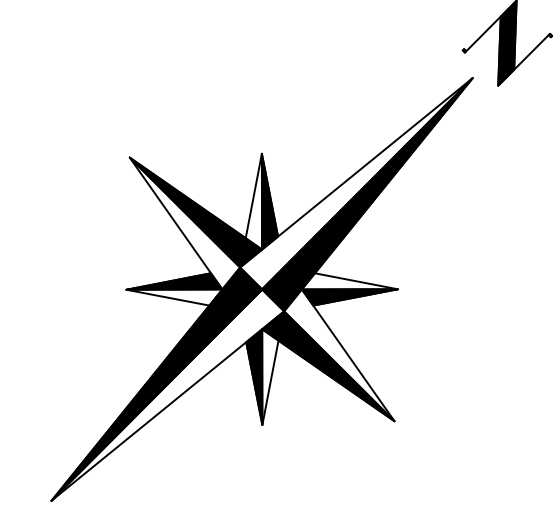
0 40 80 160 240 320 400 Feet

Bustins Island
Figure 4 - Surficial Geology Information



Information provided in this figure sourced from Maine Geologic Survey, Open-File No. 99-83 1999





LEGEND

	Helicopter site
	Building location (Approximate)
	Dry hydrant
	Fire pump
	Fire alarm
	Public safety room
	Dock
	Well
	Road suitable for motor vehicles

NOTES

1) Building locations and topographical features are approximate, based on 1978 photogrammetry by the James Sewall Co. of Old Town. All other features are based on mapping with a Trimble Pro-XL Global Positioning System (GPS), under conditions specified by the manufacturer for sub-meter accuracy.

2) Lot lines shown hereon are approximate, and are intended solely for the purpose of parcel identification.

Public Safety Map of Bustins Island Freeport, Maine	
made for Bustins Island Village Corporation Bustins Island Maine 04013	
Job #051	Island Surveys 125 Spinney Mill Road Arrowsic, ME 04530
Book #GPS	
Scale: 1" = 150'	
Date: 09/05/06	