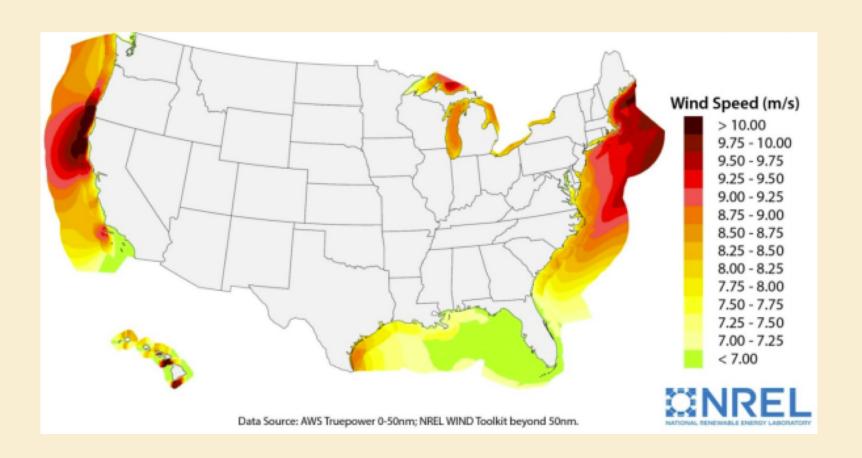
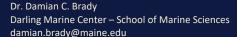
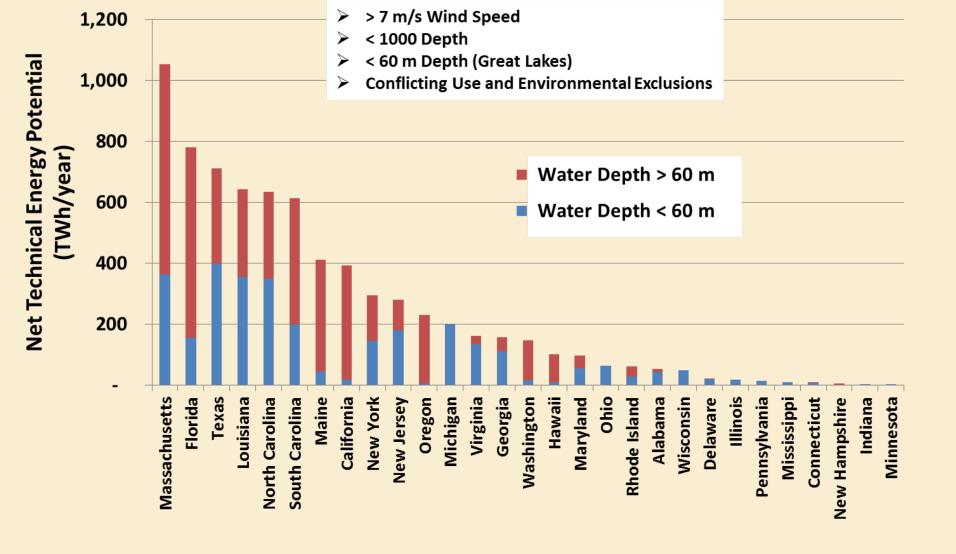
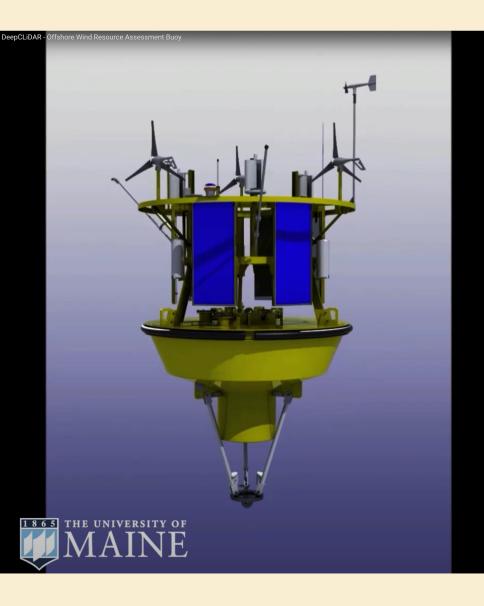


Some of the Strongest Wind in the Country











Technical Overview

LiDAR Windcube® Offshore

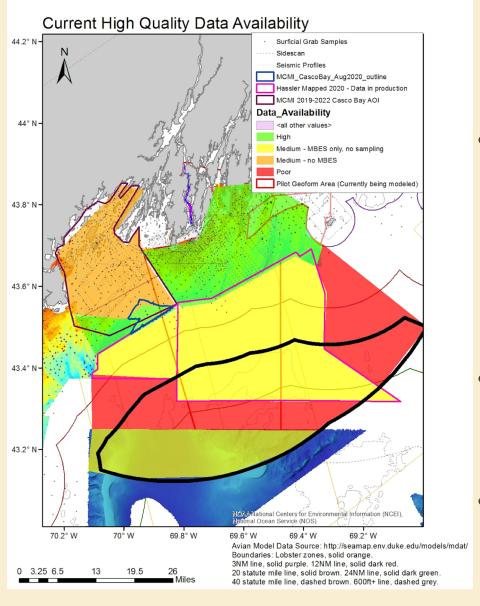
Measure wind speed at 40 m - 200 m height GLGH Stage 3 acceptance for use in formal wind resource assessment campaigns

Other Sensors Metocean: wave, wind, and current **Ecological:** acoustic, bird, bat, and fish

Hull Type & Aluminum, 3 m Discus Buoy, fully seal welded with **Construction** main central hatch for all data and power control electronics.

Telemetry GOES, CDMA/GSM, IRIDIUM

Mooring Shallow water: chain with gravity anchor Deep Water: Chain/ Wire/Chain with gravity anchor



Geological & Geophysical

- Maine is NOT mapped by
 Multibeam Echosounder
 (MBES) the Maine Coastal
 Program improves this every
 year
- But the data quantity and quality increases as we get closer to shore
- Wind projects are looking for relatively soft bottom for mooring and cable burial

Geological & Geophysical

- Any proposed project would need an in-depth survey of:
 - Bathymetry (for seafloor slope) and Bottom Hardness (using Multibeam Echosounder)
 - Sub-bottom profiling
 - Magnetometer (for historical preservation)
 - Grab samples (to verify the type of bottom)
 - Biological considerations: for example, Essential Fish Habitat

