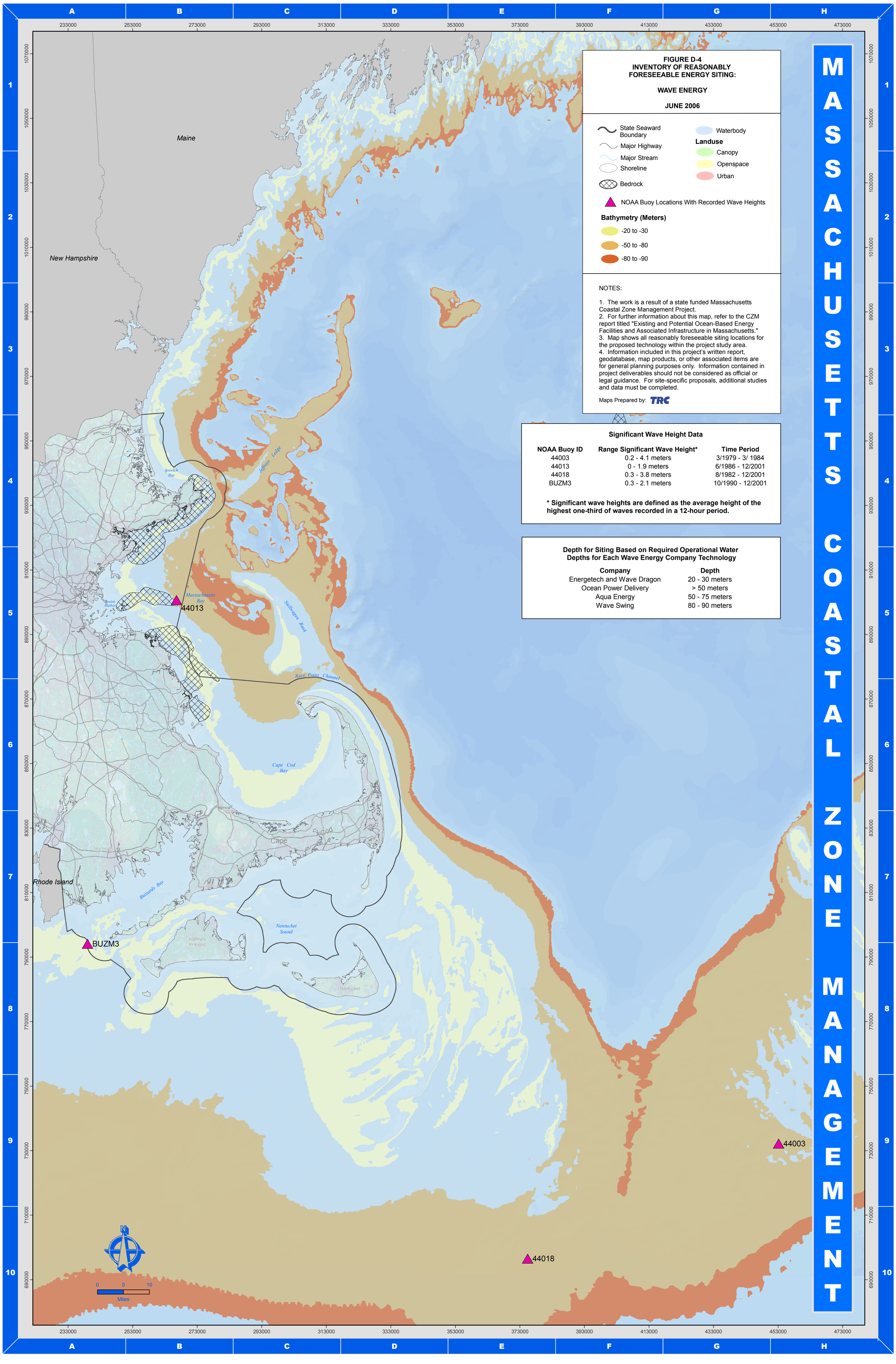
FIGURE D-4
INVENTORY OF REASONABLY
FORESEEABLE ENERGY SITING:
WAVE ENERGY
JUNE 2006
State Seaward Boundary
Major Highway
Major Stream
Shoreline
Bedrock
Waterbody
Landuse
Canopy
Openspace
Urban
NOAA Buoy Locations With Recorded Wave Heights
Bathymetry (Meters)
-20 to -30
-50 to -80
-80 to -90
NOTES:
1. The work is a result of a state funded Massachusetts Coastal Zone Management Project.
2. For further information about this map, refer to the CZM report titled "Existing and Potential Ocean-Based Energy Facilities and Associated Infrastructure in Massachusetts."
3. Map shows all reasonably foreseeable siting locations for the proposed technology within the project study area.
4. Information included in this project's written report, geodatabase, map products, or other associated items are for general planning purposes only. Information contained in project deliverables should not be considered as official or legal guidance. For site-specific proposals, additional studies and data must be completed.
Maps Prepared by: TRC
Significant Wave Height Data
NOAA Buoy ID | Range Significant Wave Height* | Time Period
44003 | 0.2 - 4.1 meters | 3/1979 - 3/ 1984
44013 | 0 - 1.9 meters | 6/1986 - 12/2001
44018 | 0.3 - 3.8 meters | 8/1982 - 12/2001
BUZM3 | 0.3 - 2.1 meters | 10/1990 - 12/2001
* Significant wave heights are defined as the average height of the highest one-third of waves recorded in a 12-hour period.
Depth for Siting Based on Required Operational Water Depths for Each Wave Energy Company Technology
Company | Depth
Energetech and Wave Dragon | 20 - 30 meters
Ocean Power Delivery | > 50 meters
Aqua Energy | 50 - 75 meters
Wave Swing | 80 - 90 meters
MASSACHUSETTS COASTAL ZONE MANAGEMENT
Maine
New Hampshire
Rhode Island
Ipswich Bay
Jeffreys Ledge
Massachusetts Bay
Boston Harbor
Stellwagen Bank
Race Point Channel
Cape Cod Bay
Cape Cod
Buzzards Bay
Nantucket Sound
Martha's Vineyard
Nantucket
44013
BUZM3
44003
44018
0 5 10
Miles