




Cooperative management of Oystercatchers in Massachusetts



Manomet Center for Conservation Sciences
Massachusetts Audubon
USFWS

Nantucket Conservation Foundation
BiodiversityWorks

State of Massachusetts
Tuckernuck Land Trust
Trustees of Reservations

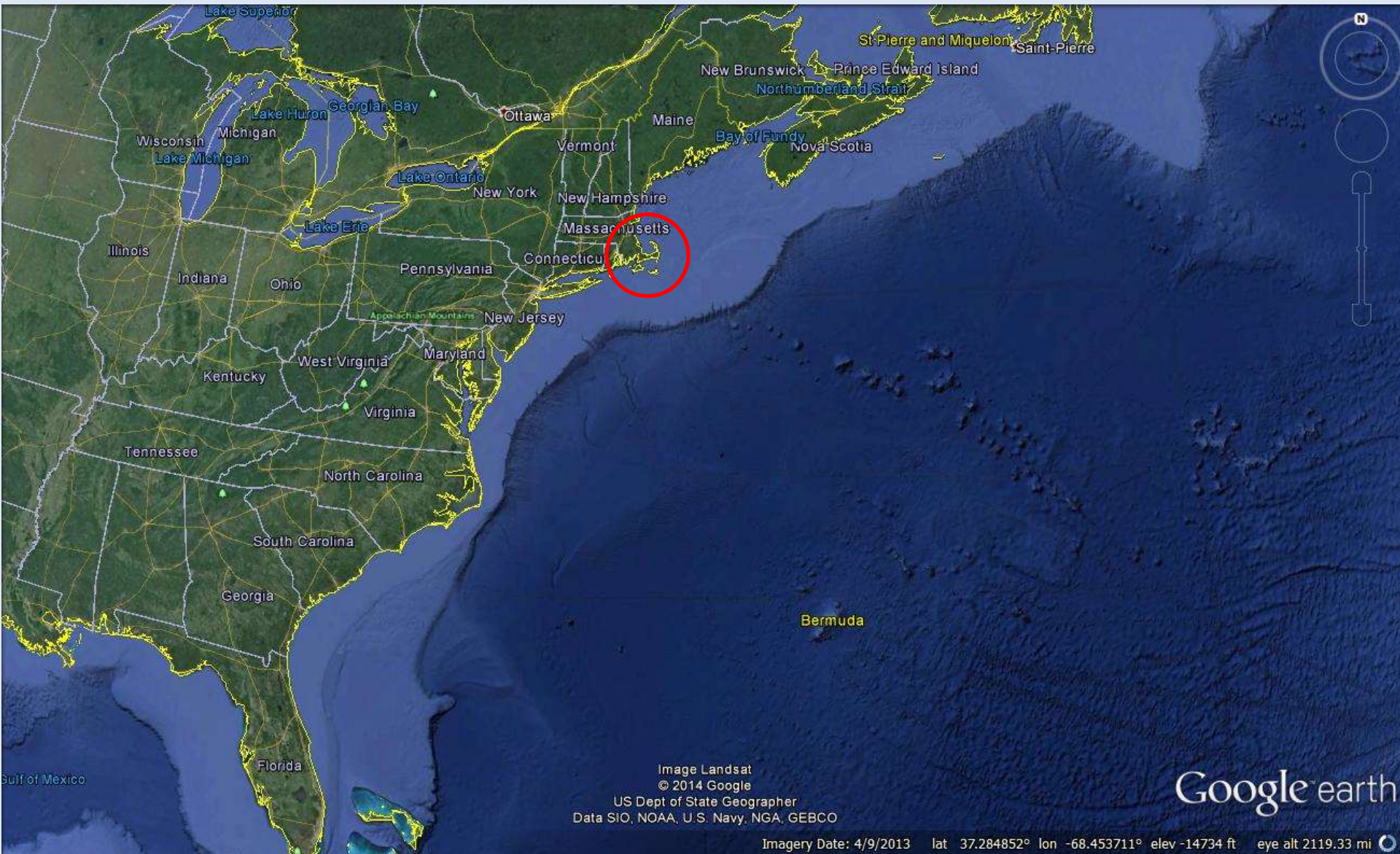
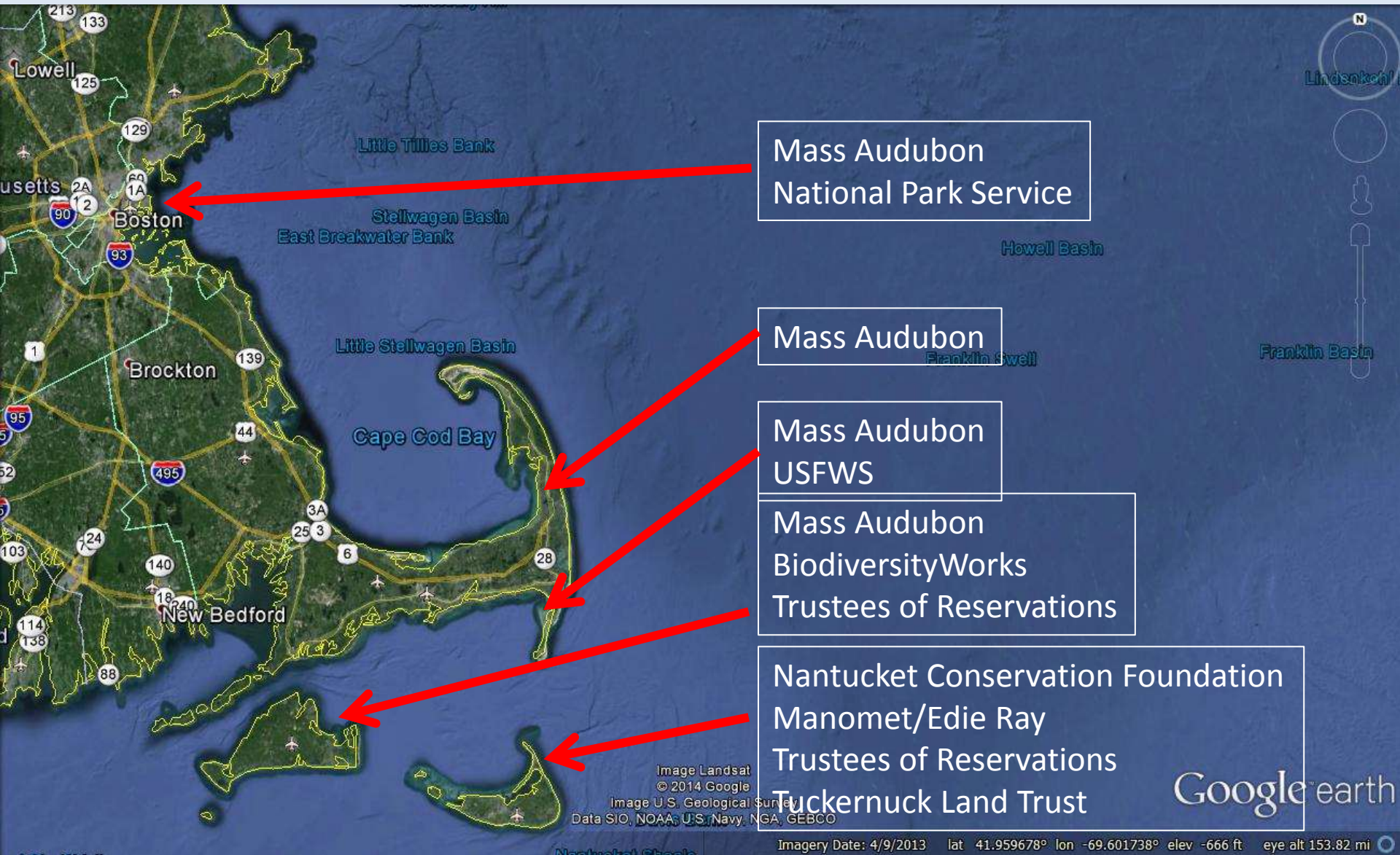


Image Landsat
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US Dept of State Geographer
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google™ earth

Imagery Date: 4/9/2013 lat 37.284852° lon -68.453711° elev -14734 ft eye alt 2119.33 mi

AMOY work in Massachusetts



AMOY work in Massachusetts

- Expanded capacity and focused management of AMOY with recovery campaign
 - More partners
 - More techs
 - More resources
- Statewide productivity increased from ~ 0.4 before 2009 to > 0.6 from 2009-2014.
- ~ 0.8 chicks/pair in 2014
- 50 to 75% of pairs in the state under active management
- Productivity 0.6-1.0 at managed sites

AMOI work in Massachusetts

- Population trend

Increasing in early 2000's

Stable at ~200 pair through 2013

~170 pair in 2014

- Survey effort?

- Declining carrying capacity?

2014 Massachusetts American Oystercatcher

Statewide Abundance and Productivity

- Decreased by 15% to approximately 170 breeding pairs (approximately 200 in 2013).
- Productivity= 0.75-0.94 chicks fledged/pair
- Estimate for sustainable reproduction= 0.4 chicks fledged/pair

2014 MAS American Oystercatcher

Pair Numbers

- Mass Audubon protected ~25% of the population in MA (42 of 170 pairs).
- MAS monitored and protected 30 pairs with productivity data on 24 beaches.
- 20 banded oystercatchers nested at Mass Audubon monitored sites.

2014 MAS American Oystercatcher

Nesting Data

- 38 nest attempts.
- 45% successful

Fledging Data

- 40% of nesting attempts were successful in fledging chicks.
- Total of 26 fledglings from 15 nest attempts.
- Fledged 72% of chicks hatched.
- Productivity at Mass Audubon managed sites was 0.87 chicks fledged/pair.



