

**DUXBURY  
BEACH  
RESERVATION, INC.**

# **DBR Project Presentation: Dune & Beach Restoration**

**1/4/2023**

# Outline



- Duxbury Beach Reservation




- Project Overview



- Benefits & Need



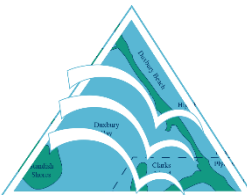
- Project Funding



- Impacts to the Community



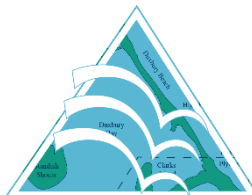
- Staying Up to Date



# Duxbury Beach Reservation (DBR)



- Privately owned since 1919
- Public charity 501(c)(3)
- Volunteer run for 98 years
- Width range: 42 – 324m
- 4.5 miles of coastline
- Regulated by multiple agencies

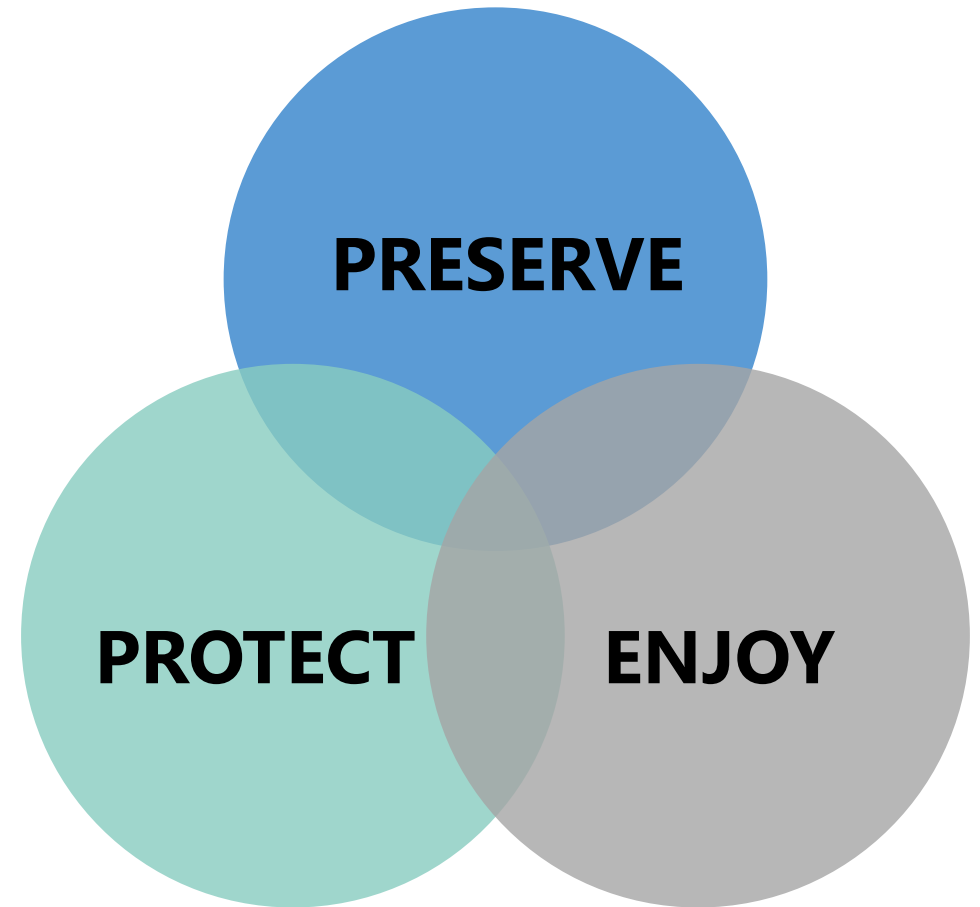


# DBR Articles of Incorporation

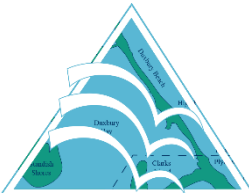
**PRESERVE** the barrier beach (to safeguard the adjacent bays and mainland)

**PROTECT** the ecology (wildlife & vegetation)

Welcoming the public to **ENJOY** (open to the public: Duxbury residents and non-residents)

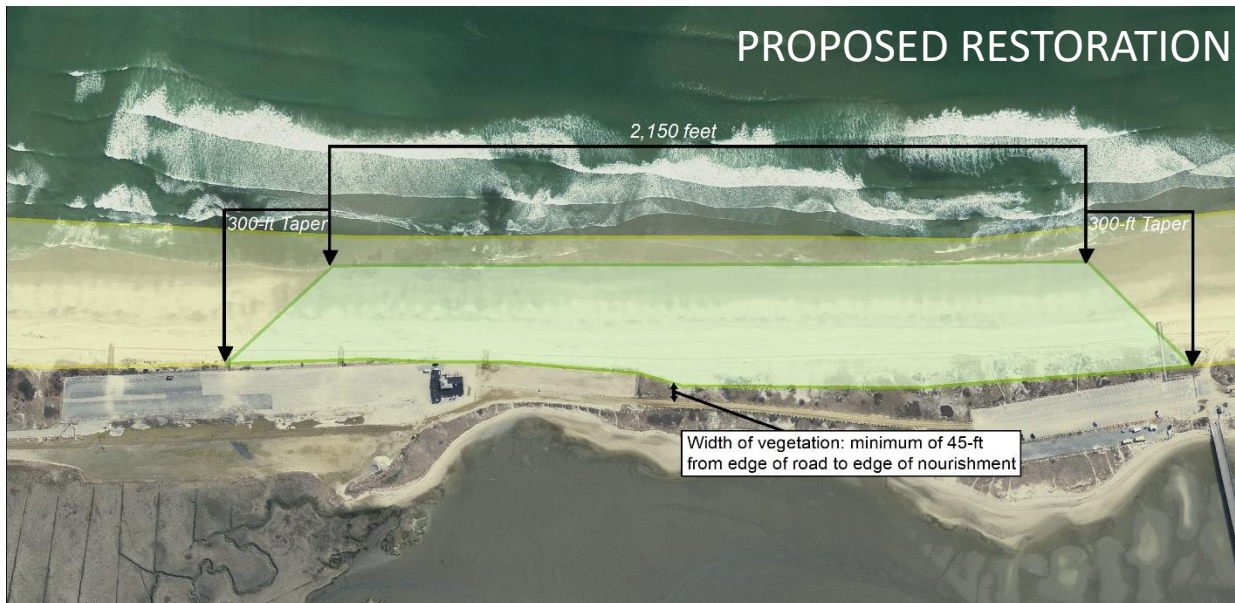


- Reservation's actions are essential to the survival of Duxbury Beach
- The health of the beach is critical in the protection of Duxbury's shoreline





# Winter 2023 Restoration Project



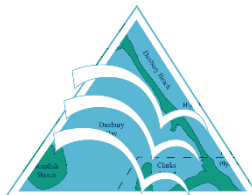
- Beach and dune nourishment (72,500 cubic yards of sand)
- Spanning Duxbury Beach Park to the Powder Point Bridge (2,750 linear feet)
- Planted with American Beach Grass and woody shrubs (28,000 culms of beach grass)
- Restored fencing and pathways following completion (designed to improve access and resilience)



# PRESERVE the Barrier Beach



- Strengthens the barrier by adding sand to a very **narrow section of beach and dune**
- **Protects the mainland**, bay, and saltmarsh behind the barrier beach from nor'easters
- Increases the overall resilience of Duxbury Beach as sand moves south from the nourished area – **vital to the sand starved beach**





# PROTECT the Ecology

- Avoids damage to existing **vegetation** beyond the project footprint through limited construction access and staging points
- Designed to maintain suitable shorebird habitat **per state and federal permits**
- Maintains plant **species diversity**





# Welcoming the Public to ENJOY

- Sand nourishment on **two recreational beaches**
- **Protects and improves the most utilized and accessible** sections of beach
- Involves rebuilding and improving **access paths**





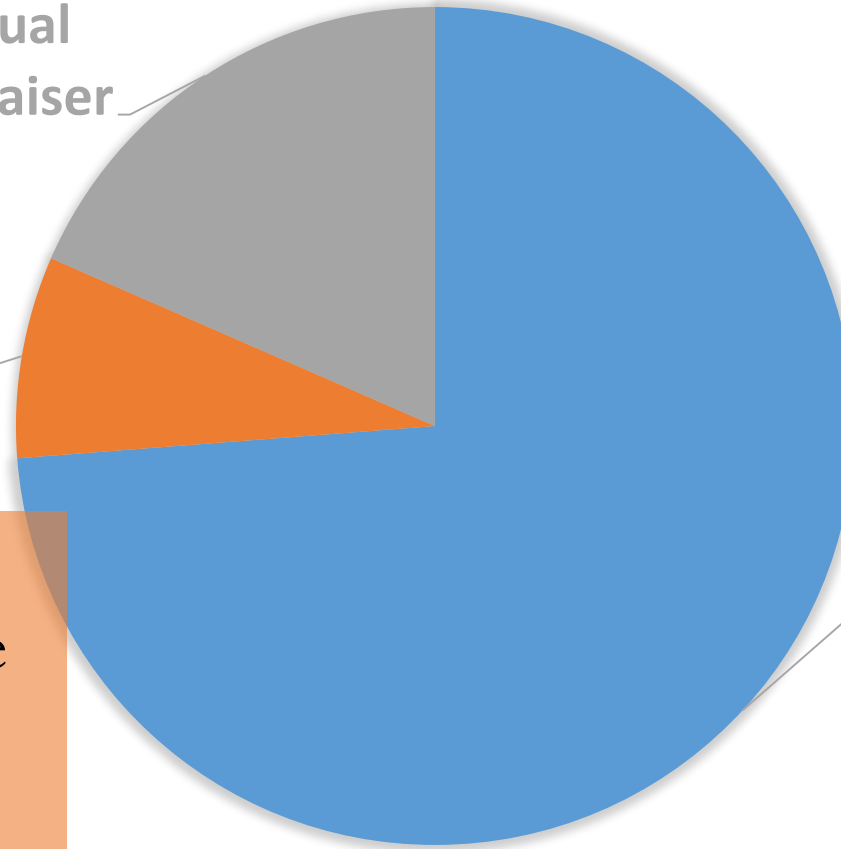
# Project Funding

\$450,000: Restricted funds raised through DBR's 2020 Party in a Box and 2021 Beach Ball

DBR  
Annual  
Fundraiser

NAWCA  
Grant  
(Federal)

\$190,000: The first federal funds received by DBR since 2007 following refusal of FEMA to continue reimbursing costs of storm damage repair on the beach



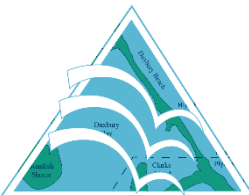
\$1.8 M: Builds on work completed through Coastal Zone Management grants received in 2015, 2020, and 2021-2022

CZM Grant  
(State)



# Impacts to the Community

- Gurnet Road between DBR northern property access and bridge will be impacted
  - Alternate routes suggested
- Main Lot at Powder Point Bridge
  - Restricted starting February 1<sup>st</sup>
  - Travel lanes through parking lot will be impacted
  - Parking in bayside/overflow lot available
- Access to Main Beach limited
  - Dune and beach work will limit access on oceanside
- Projected completion date: March 31, 2023





# Duxbury Beach Park

Construction Access Points – Utilizing Existing Pedestrian and Vehicular Access Points





# Resident Lot

Construction Access Points – Utilizing Existing Pedestrian and Vehicular Access Points

No Construction Access Points  
Between Caterer's Lot and  
Resident Lot

Road Remains Open

Truck Access and Equipment Storage

- Travel Lane Remains Open
- Parking Remains Open
- Overflow Lot Remains Open





# Staying Up to Date

- Sign up for DBR's email list at [www.duxburybeachreservation.org/learnmore](http://www.duxburybeachreservation.org/learnmore)
- Follow DBR on Instagram or Facebook (@duxburybeachreservation)
- Sign up for Town of Duxbury Beach Operations update emails <https://www.town.duxbury.ma.us/subscribe>
- Volunteer for one of DBR's planting days this spring (date TBD) [www.duxburybeachreservation.org/volunteer](http://www.duxburybeachreservation.org/volunteer)
- Stay tuned for information about the project “Grand Opening” this spring!



# Thank You!

MA Coastal Zone Management (CZM)  
North American Wetlands Conservation Act (NAWCA)  
DBR Sponsors & Attendees of Party in a Box and Beach Ball 2021

Stewart Ting Chong (photography)  
Woods Hole Group  
Duxbury Construction  
Town of Duxbury Beach Operations  
*& all supporters of DBR's work to protect Duxbury Beach*