South Beach and Norton Point
Dune Restoration: Extending the Life of a Barrier Beach Using Nature-based Solutions
It takes partners to protect a barrier beach...
SOUTH BEACH / NORTON POINT

Site Overview

Katama Bay

Katama

Norton Point Barrier Beach

Norton Point OSV Access

Atlantic Ocean
▪ Over 100,000 visitors annually
▪ Provides habitat for many local and migratory species, including rare and endangered
▪ Protects infrastructure and natural resources
▪ Extremely dynamic
Norton Point

CLIMATE IMPACTS - EROSION

Long-Term Shoreline Change
(1897 - 2013)

Shoreline Trend
- Erosion
- Stable
- Accretion
A combination of strategies:

- Bathhouse relocation & asphalt removal
- Relocation of OSV trails
- Dune restoration with native plantings
February 2021 storm

PRE-CONSTRUCTION
Conditions pre-construction
Construction Begins

BATH HOUSE RELOCATION
Construction
Dune Nourishment

SHOWING 10:1 LANDWARD SLOPE
Looking ahead

PHASE 2 AND THE FUTURE

- adding an additional 5,622 cubic yards of sand east of Phase I along the existing dune
- grading to an elevation of 14 feet with 10:1 slopes
- planting 2.5 acres with native beach grass
Using Nature-based Solutions to extend the life of a barrier beach

- Preserve critical habitat & access
- Improve resiliency and extend life of the beach
- Inform future projects

Thank you to all partners!