

Historical Anaylsis





Beach and Parking

fee discontinued







Known for its

speakeasies and

bootlegers

Known as a

"little Newport"

Known for

inexpensive

housing

of 1938

Oakland Beach View From The Water

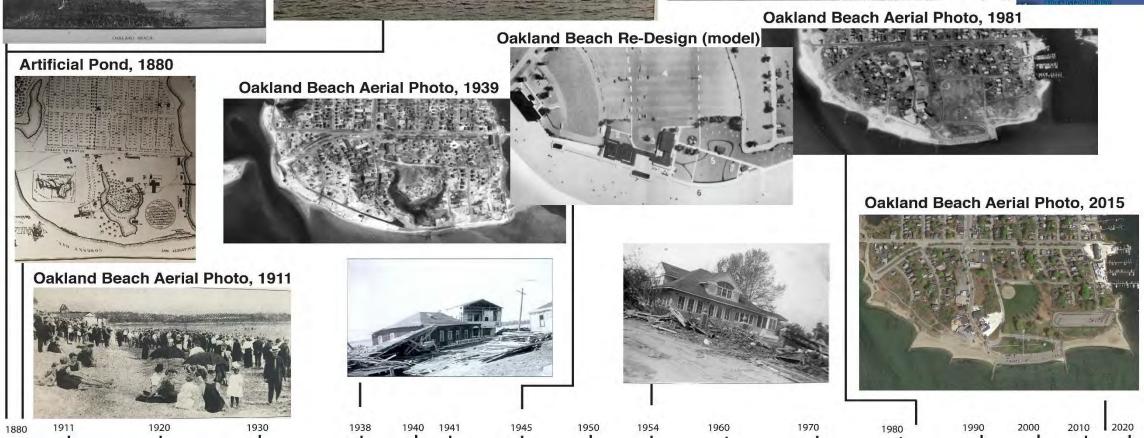


Oakland Beach Aerial Photo, 1962



Carousel sold





Hurricane Carol

WWII

begins

EXISTING CONDITIONS

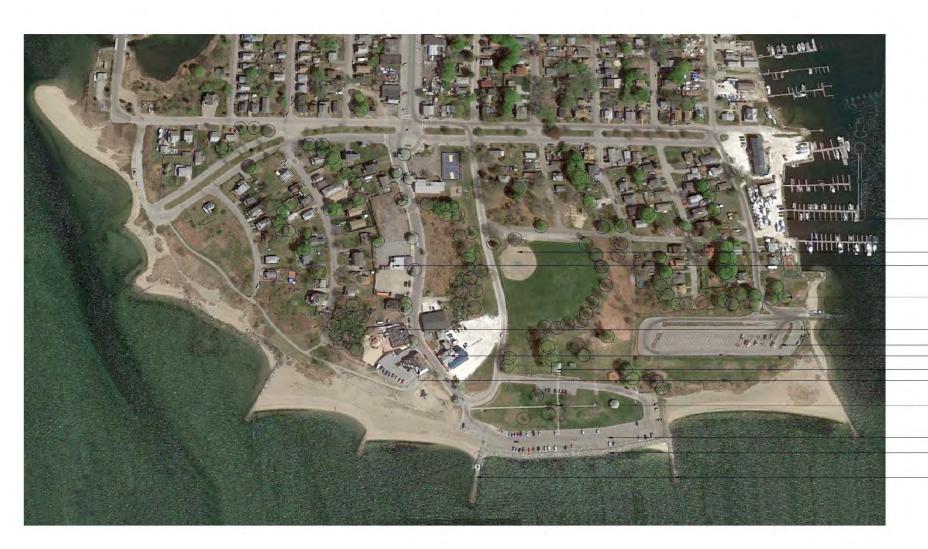
THE UNIVERSITY Sea Grant OF RHODE ISLAND







OAKLAND BEACH, WARWICK, RI





BOAT RAMPS

BASEBALL FIELD

THE CAROUSEL GRILLE (RESTAURANT)

EXISTING TREES

- MARLEY'S ON THE BEACH (RESTAURANT)

BOAT/TRAILER PARKING LOT
TOP OF THE BAY (RESTAURANT)

- PUBLIC RESTROOMS - IGGY'S DOUGHBOYS & CHOWDER HOUSE (RESTAURANT)

GAZEBO

- EXISTING PARKING LOT (102 SPACES)

- GRANITE STONE WALL

- GROINS

CIRCULATION









OAKLAND BEACH, WARWICK RI









OAKLAND BEACH, WARWICK RI





WEATHER ANALYSIS



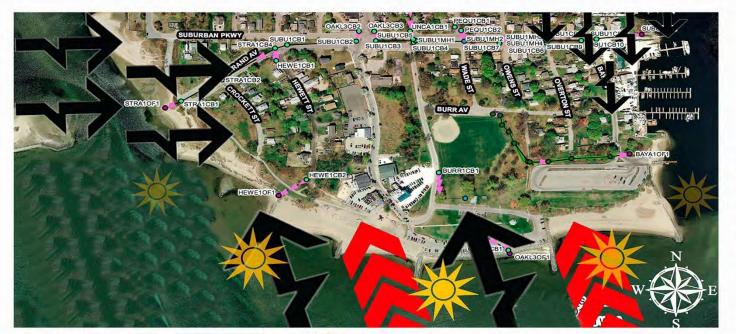




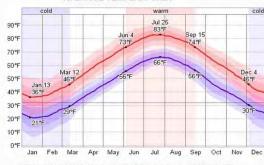
PROFESSOR SHERIDAN



OAKLAND BEACH WARWICK, RI



AVERAGE TEMPERATURES



-Highest temperatures occur in July and August (AVG- 83F) -Lowest temperatures occur in January and February (AVG- 21F)

LAR 343

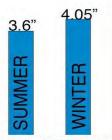


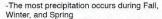


Wind/Swell

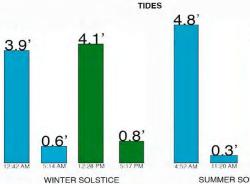
- -The most frequent winds come out of the west throughout the year. While the most prevailing winds come from the south/south east. Normally from storms including tropical
- -Hurricane season last from June 1st-November 30th. Expect high damage to the site during this time of year, which may mean rebuilding all year around. Sun/Shade
- -Sunrise/Sunsets are shown as a sun with low opacity.
- -Mid day is shown with the highest opacity and is located generally in the middle of the map

AVERAGE PRECIPITATION





-These factors tell us that the summer will be the most active time of year showing the most suitable conditions for leisure

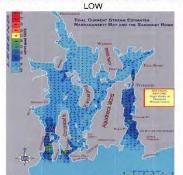


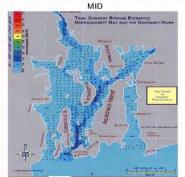


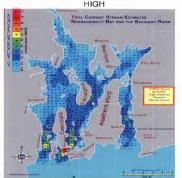
TOPOGRAPHY, BATHYMETRICS, AND WATER ISSUE ANALYSIS

OAKLAND BEACH, WARWICK, RI.

RESULTS OF TIDES IN GREENWICH BAY. THE DARKER BLUE REPRESENTS THE RISE IN SEA LEAVEL WHILE THE LIGHT BLUE REPRESENTS THE EXISTING







THE UNIVERSITY - Sca Gran







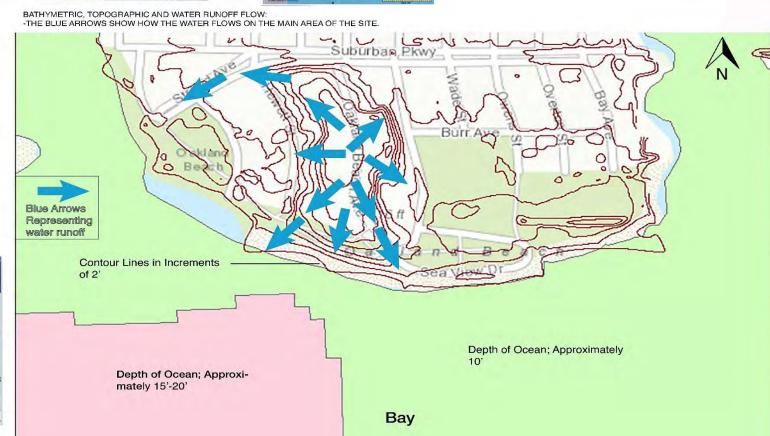


AFFECTS OF THE 5 FOOT SEA LEVEL RISE. THE AREA THAT IS LIGHTER BLUE IS THE AREA OF LAND WHERE WATER WILL BE WHEN THE SEA LEVEL RISES BY 5 FEET.



- NOAA BATHYMETRIC LAYOUT OF THE BAY
- HOW USING CONTOUR LINES WILL HELP MAKE FURTHUR DECISIONS:
- -HELP GAUGE WHERE PROBLEM RUNOFF AREAS WILL EXIST.
- -ASSIST WITH PLACEMENTS OF BIOSWALES OR OTHER FILTRATION SYSTEMS FOR RUNOFF -UNDERSTAND HOW THE WATER LEVELS WILL AFFECT THE SIZE OF POTENTIAL WAVES.





VEGETATION AND HABITAT











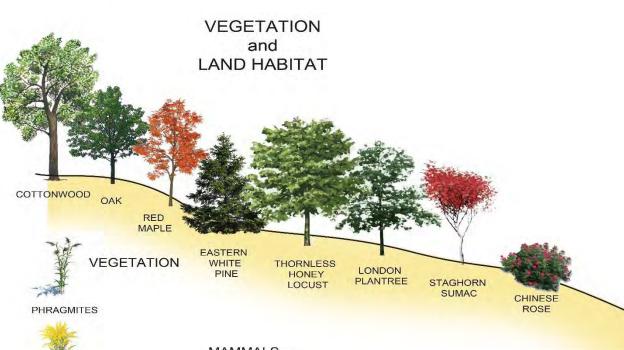
BEACH GOLDEN

ROD

INDIAN GRASS

SWITCH

GRASS







SHELL FISH CLAM QUAHOG CRUSTACEANS FISH CLAM OVSTER CRAB CRAWFISH FLUKE TAUTOG SEA BASS BLUE FISH

EEL

COMMUNITY'S OBJECTIVES



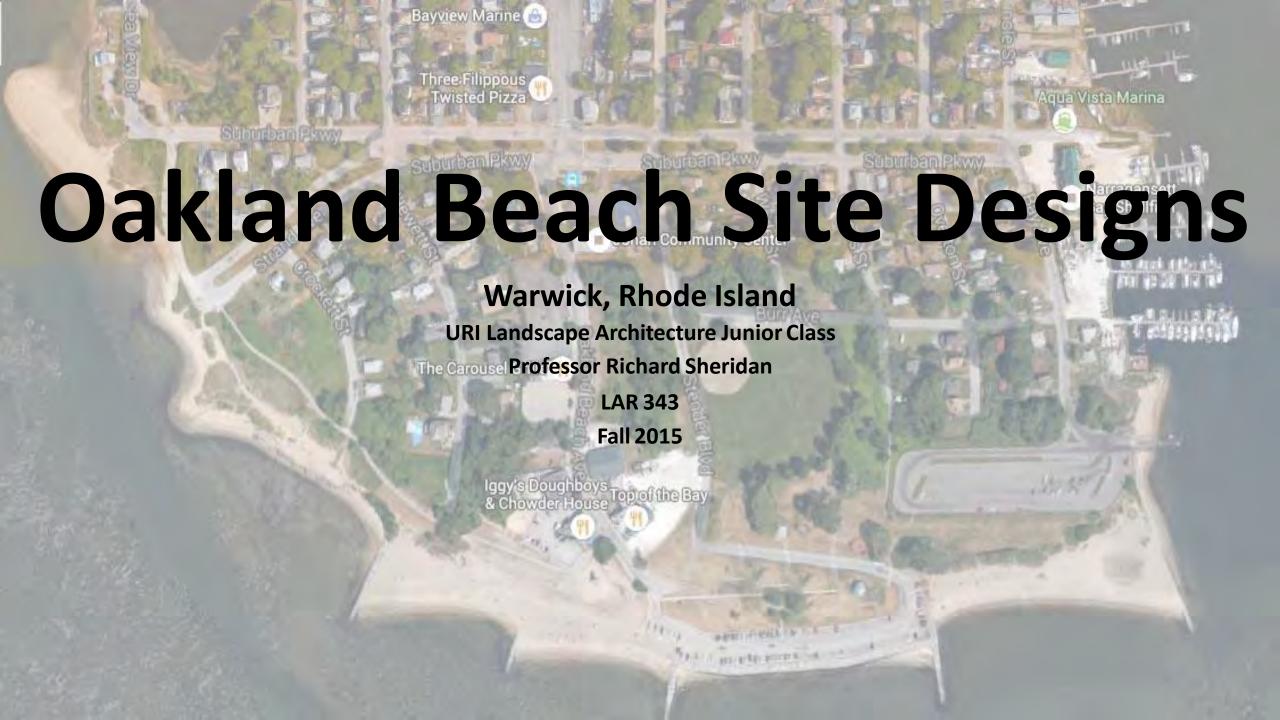






OAKLAND BEACH, WARWICK RI





THE UNIVERSITY .







OAKLAND BEACH, WARWICK RI

DESIGNED BY: BRYNN ARMSTRONG PREPAIRED FOR: PROFESSOR RICHARD SHERIDAN



Oakland Beach Master Plan







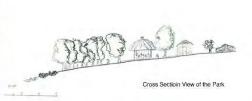


Warwick, RI.





Prepared For Richard Sheridan By Brian Bieszard













Scale: NTS

WARWICK, RI PREPARED FOR RICHARD SHERIDAN BY ROMEO D'ANDREA



Perspective A:



Illustration showing farmer's market looking North from parking lot

Scale: NTS

Illustration showing the allee, carousel and parking lot looking East along the path

A view from the boardwalk strip from the second parking lot entrance C'

overlooking the beach and outfall alternative.

for aesthetics and catching runoff

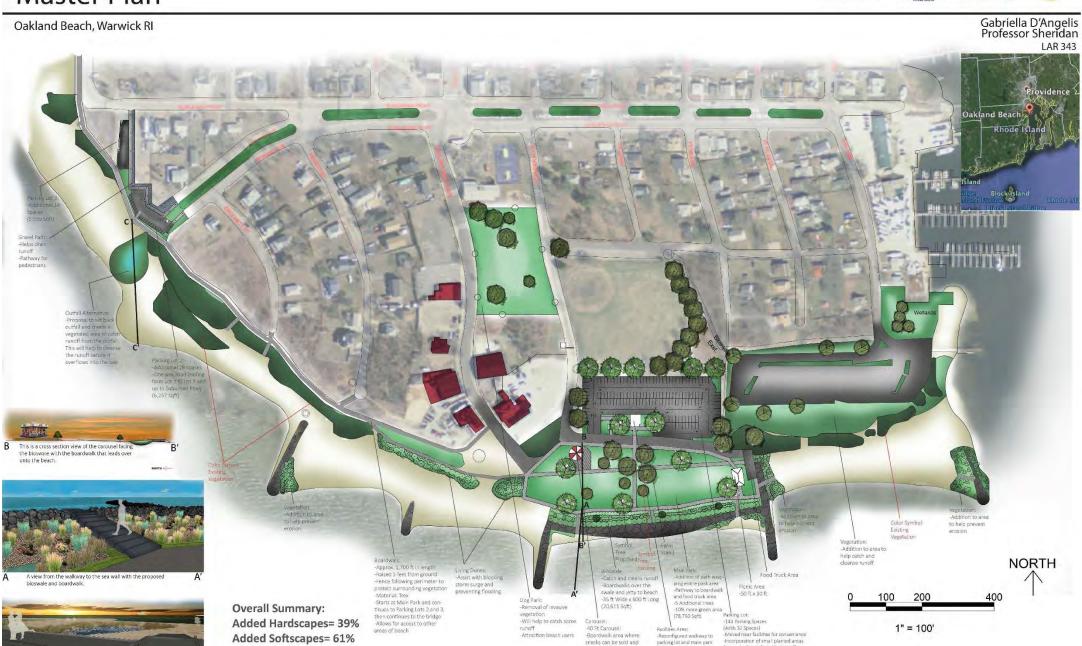
Decreased pavement by 11% (53,708 Soft)

-Addition of 12 solar waste recepticles









people can sit.

-Raised 5' above ground to Restrooms

protect against storm surge Picnic Area

Parking Increase= 40%

ZACHARY DRIVER



















PREPARED FOR RICHARD SHERIDAN BY PABEL FERNANDEZ



THE UNIVERSITY OF RHODE ISLAND







Warwick, Rhode Island

Cam Frecker - LAR 343 - Richard Sheridan



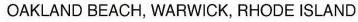
Master Plan

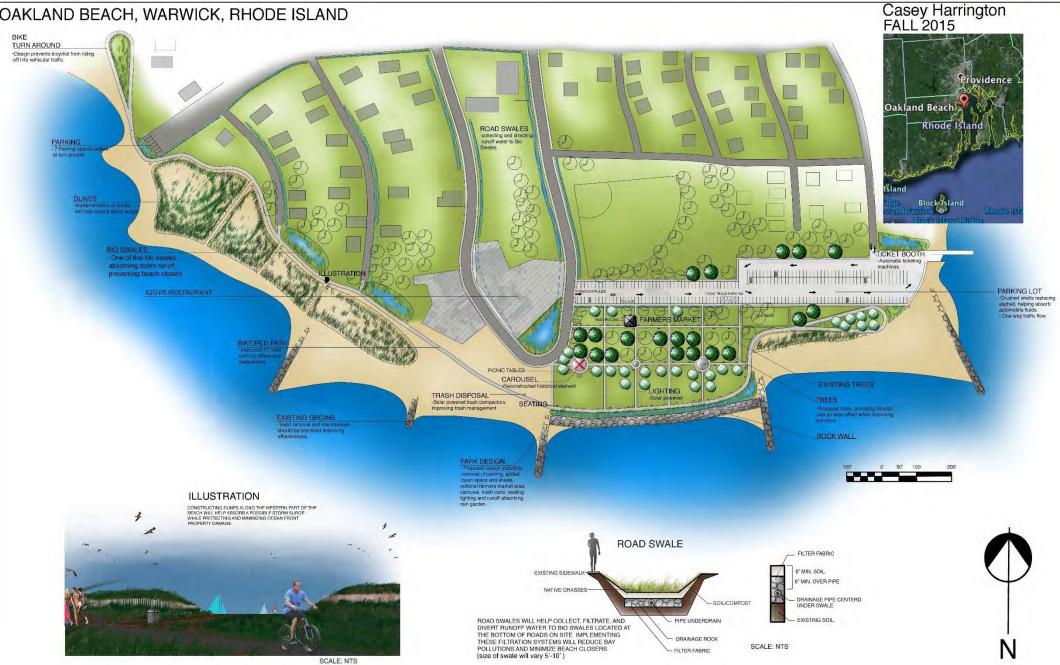












OAKLAND BEACH









WARWICK, RI MASTER PLAN LAR 343 PROFESSOR SHERIDAN DESIGNED BY KELVIN HUANG





VEGETATIVE RECOMMENDATION

- ACER RUBRUM
- AMELANCHIER CANADENSIS
- BETULA ALLEGHANIENSIS (LUTEA)
- FRAXINUS AMERICANA
- GLEDITSIA THIACANTHOS VAR. INERMIS
- NYSSA SYLVATICA
- PLATANUS X ACERIFOLIA

- JUNIPERUS VIRGINIANA - PICEA GLAUCA - PICEA PUNGENS - PINUS MUGO

- CLETHRA ALNIFOLIA
- JUNIPERUS HORIZONTALIS
- RHODODENDRON MAXIMUM

PANICUM VIRGATUM
 SPOROBOLUS WRIGHTII

- ETC

 MINUS 2 TREES DUE TO PARKING LOT CONSTRUCTION, BUT INCREASED OVERALL SITE VEGETATION BY 50%*
 PROPOSING NATIVE SALT TOLERANT VEGETATION*





MASTER PLAN

























Perspective View from Parking Lot of Bay

Rain Garden Plants:

Clethra alnifolia

Cornus racemosa

llex verticillata

llex glabra

Hibiscus moscheutos

Photinia melanocarpa Photinia pyrifolia

Vaccinium corymbosum

Viburnum dentatum

Amelanchier canadensis

Dune Plants:

Amelanchier canadensis Distichlis spicata Hierochloe odorata Juncus gerardii Rosa carolina Schoenoplectus americanus Schoenoplectus robustus Spartina patens Symphytrichum tenuifolius

Tree Plantings: Amelanchier arborea Amelanchier laevis Chamaecyparis thyodies Cornus alterniflora Crataegus crus-galli Juniperus virginiana Prunus serotina Prunus virginiana Quercus prinus Quercus stellata Quercus velutina

Sassafras albidum







BY: KYLE SAVASTANO



OAKLAND BEACH, WARWICK RI

PREPARED FOR: PROF. RICHARD SHERIDAN

PROJECT OVERVIEW

- 1 Establish a pedestrian boardwalk that connects the entire site.
- 2 Use bioswales (dark green) to filter pollution from nearby restaurants and residential areas. Redirect stormwater outfalls into bioswales.
- 3 Use angled parking to reduce parking lot size and implement plant buffers in space saved.
- 4 Use signs, pamphlets, and info booths at heavily trafficked areas to inform visitors about proper treatment of the site.
- Create farmers market focused around reintroduced carousel use structures that can be removed during storms and winter months.
- 6 Build viewing towers on grassy knoll to give a bird's eye view of the area. Interactive displays at the top of each tower educate visitors about the surrounding plants and wildlife.

ADDITIONAL FEATURES

- Energy efficient solar light strips along boardwalk
- Boardwalk design limits pedestrian and vehicular crossing
- Central gazebo park improves upon existing design but maintains the same functions
- Bioswales on the west side also help to protect residents from storm surges
- Option to control entry into east side park and beach (entry fee/beach pass/local residents only) as a compromise between unrestricted free public access and a mandatory entry fee
- Frequent and easy access trash receptacles

PARKING

- Increased parking spaces in main lot from 102 to 146
- Decreased square footage of main parking lot from approximately 59,000 to 51,000
- 8 spots added at Strand Ave. turnaround
- 20 spots added across the street from the baseball field
- TOTAL: 72 more parking spaces (44 added to main lot) and roughly 13.5% less pavement

PLANT LIST Preferred native plants that are tolerant of water, salt and high winds

- Shadbush (Amelanchier canadensis)
- Sweet pepperbush (Clethra alnifolia)
- Highbush blueberry (Vaccinium corymbosum)
- Switchgrass (Panicum amarum)
- Indiangrass (Sorghastrum nutans)
- Arrowwood (Viburnum dentatum)
- Black Oak (Quercus velutina)
- Sassafras (Sassafras albidum)
 Gray dogwood (Cornus racemosa)
- Salt marsh hay (Spartina patens)











one way traffic maintaining the existing one way loop that is known and leved by the community

raised on a platform to aid sea surge protection

cross section