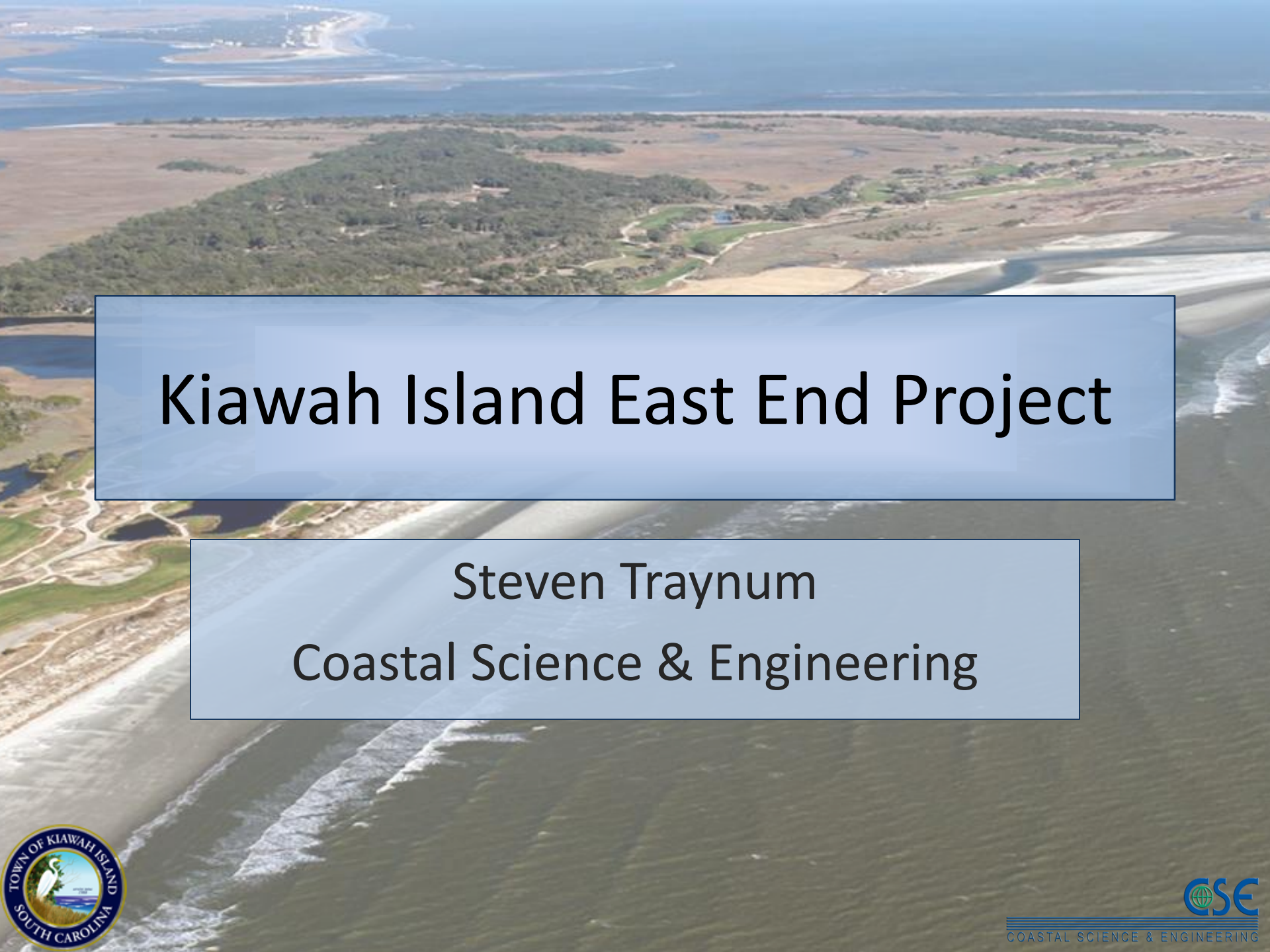


Kiawah Island East End Project

Steven Traynum

Coastal Science & Engineering

TOWN OF KIAWAH ISLAND SOUTH CAROLINA

CSE COASTAL SCIENCE & ENGINEERING

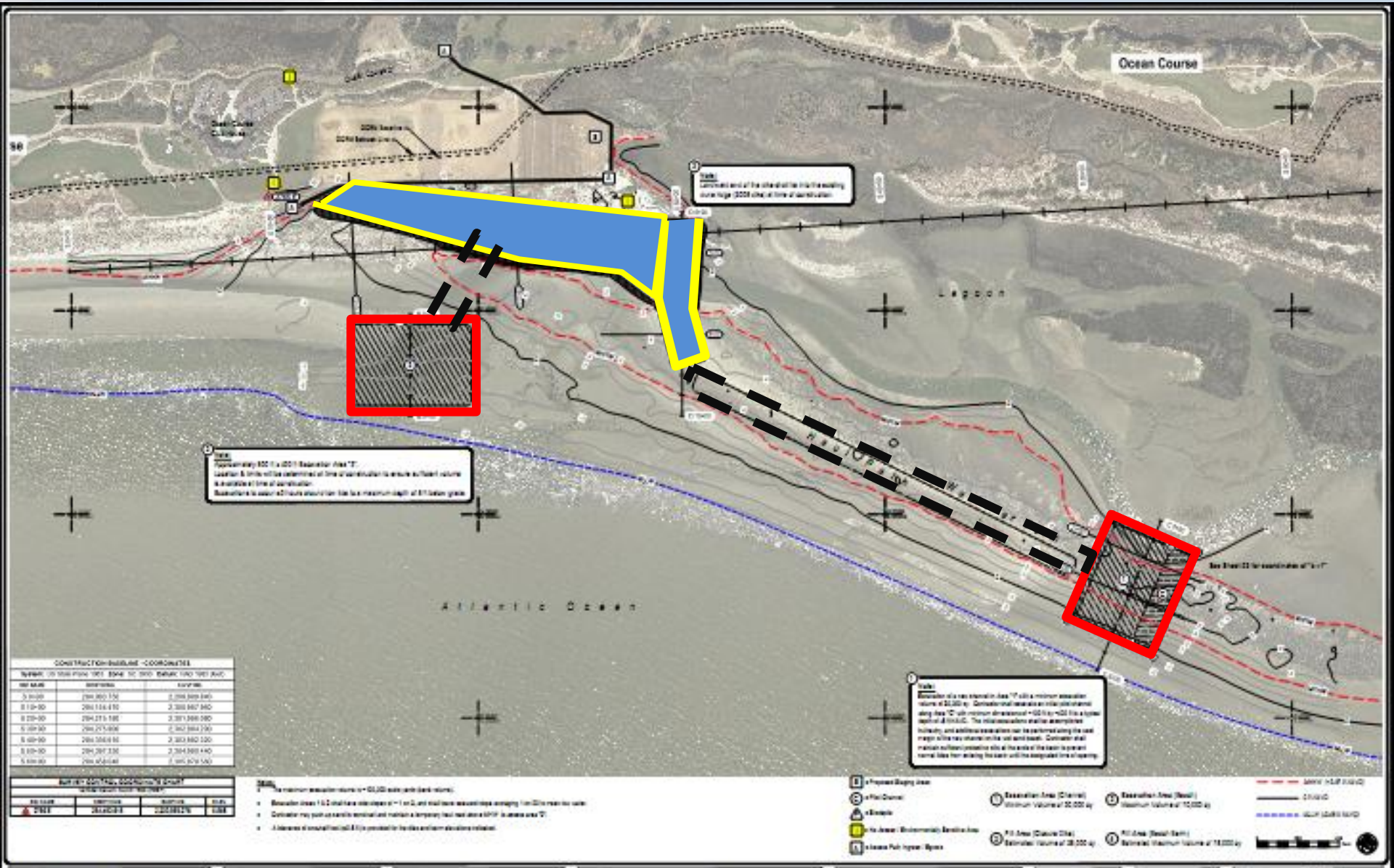
Project Timeline

- CSE begins work April 2014
- Permit application submitted 30 May 2014
- Biological Opinion received Nov 2014
- State (OCRM) permit received 5 December 2014
- USACE Permit received 4 May 2015
- Bids Opened 15 April 2015
- Construction window began 15 May 2015

TOWN OF KIAWAH ISLAND SOUTH CAROLINA

CSE COASTAL SCIENCE & ENGINEERING

March 16, 2015

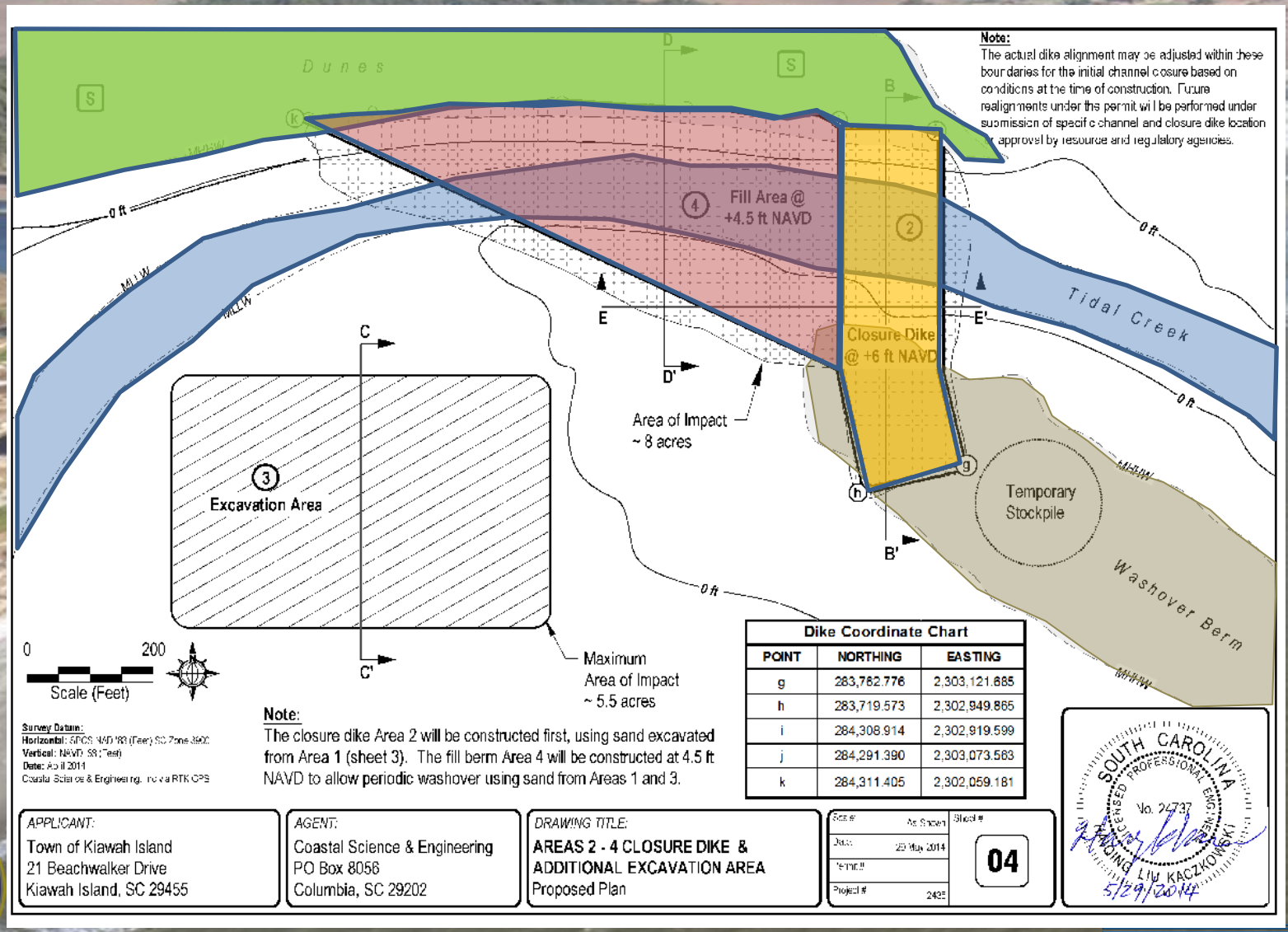

Ocean Course
Lagoon
Atlantic Ocean
TOWN OF KIAWAH ISLAND
21 BEACHWALKER DRIVE
KIAWAH ISLAND, SC 29455
KIAWAH ISLAND EAST END
BEACH RESTORATION PROJECT
OVERALL PROJECT PLAN
& SURVEY CONTROL
02


Dike
March 16, 2015


Dike
New Channel
March 16, 2015


Area 3
Dike
Haul Path
March 16, 2015

Closure Dike and Beach Fill



TOWN OF KIAWAH ISLAND SOUTH CAROLINA

CSE COASTAL SCIENCE & ENGINEERING

Environmental Protection

- Daily Turtle Monitoring
- Nest relocation
- Equipment Storage
- Spill Protection
- Habitat Protection
- Accesses
- Escarpments

- Post Project Monitoring
  - Aerial Imagery
  - GPS Surveys
  - Topographic Surveys
  - Habitat Monitoring
  - Benthic Invertebrate Monitoring

Construction

- Contractor: Lake Moultrie Construction Co., Inc. DBA Lake Moultrie Water Co and Ashridge, Inc. A Joint Venture
- Equipment: 5 offroad dumptrucks (23.5 cy/load), 2 excavators, 2 dozers

TOWN OF KIAWAH ISLAND SOUTH CAROLINA

CSE COASTAL SCIENCE & ENGINEERING

Project Summary

- First sand moving on 5/18
- Continued 25 days from 5/18 to 6/11
- 21 working days, 4,261 truck loads
- 4,768 cy/day average, 7,309 cy/day max
- 100,134 cy transferred
- $5.38 per cy – Total Price $538,000

TOWN OF KIAWAH ISLAND SOUTH CAROLINA

CSE COASTAL SCIENCE & ENGINEERING

Pre-Project Condition

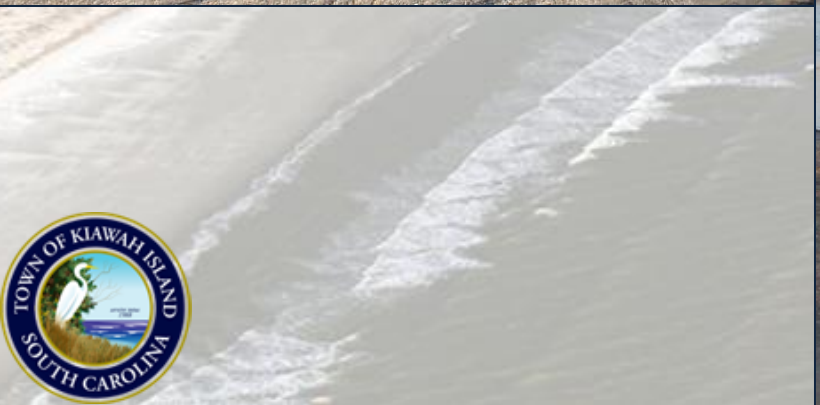
COASTAL SCIENCE & ENGINEERING

Excavating New Channel

05/20/2015

COASTAL SCIENCE & ENGINEERING

5/21/2015



5/22/2015

06/09/2015

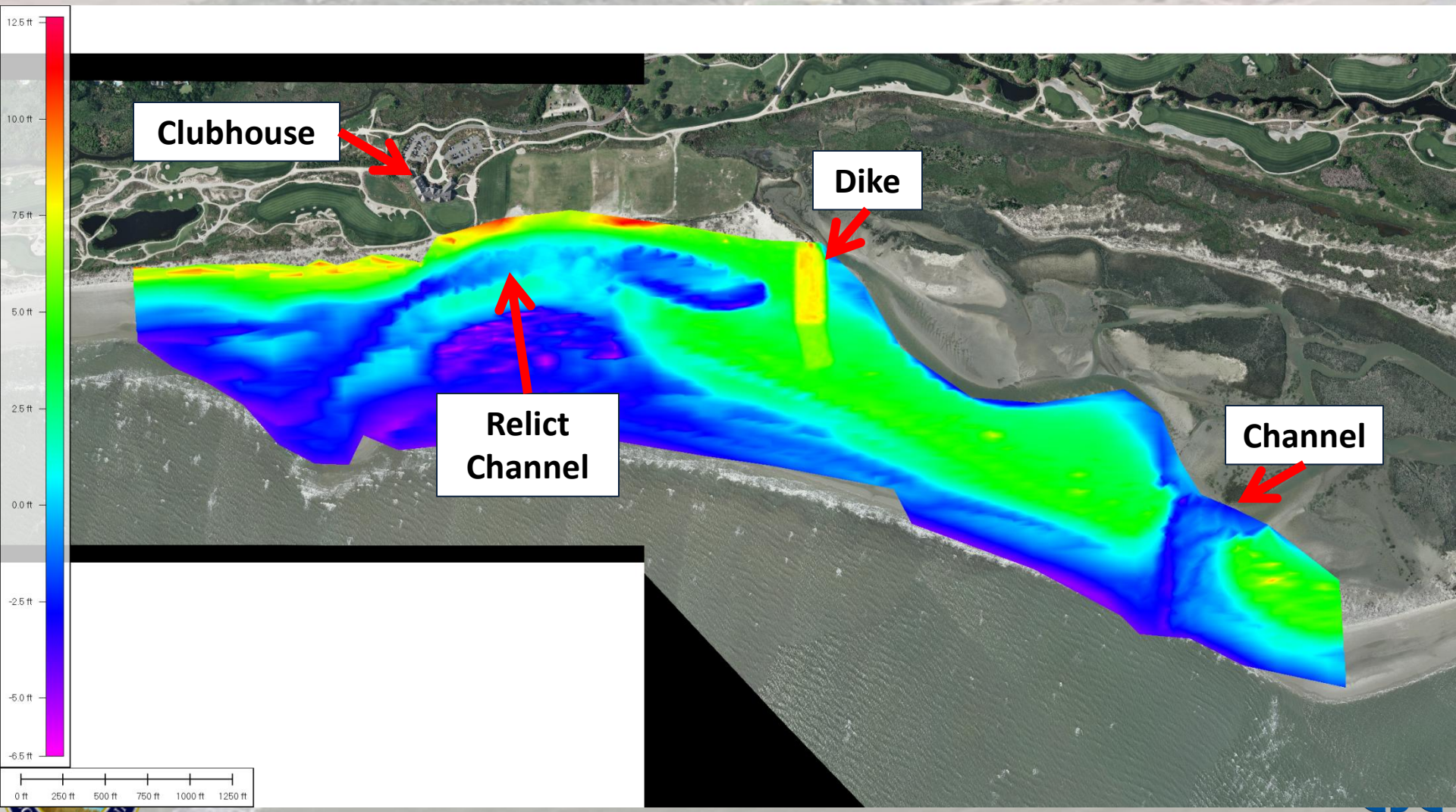
COASTAL SCIENCE & ENGINEERING

06/09/2015

TOWN OF KIAWAH ISLAND SOUTH CAROLINA

COASTAL SCIENCE & ENGINEERING

Post-Project Condition (Video)



What's Next?

- CSE completed final survey in June 2015
- Permit allows for another project if the channel returns to its February 2014 position
- Must be three years between projects (2018)
- Annual monitoring will document physical and environmental changes
- CSE expects the channel to migrate over time and another project will likely be needed
- Moving the channel earlier in the cycle allows for smaller projects

Captain Sams Inlet Relocation

New Channel Basin

Opening New Channel

Stockpiling

New Channel

TOWN OF KIAWAH ISLAND SOUTH CAROLINA

CSE COASTAL SCIENCE & ENGINEERING

First Closure Attempt

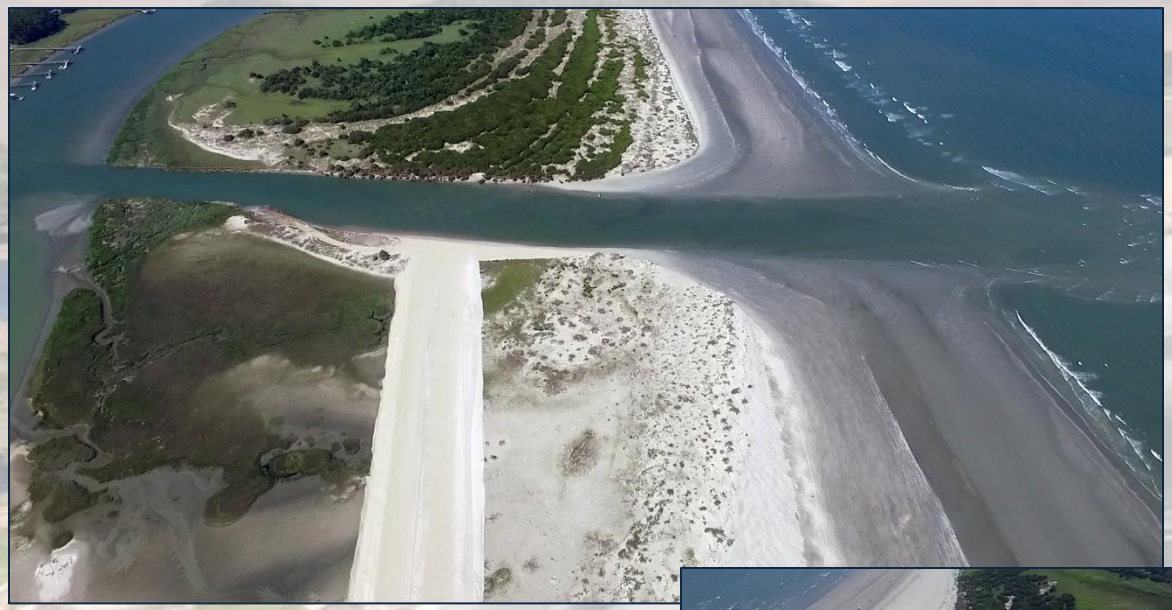
TOWN OF KIAWAH ISLAND SOUTH CAROLINA

CSE COASTAL SCIENCE & ENGINEERING

Equipment Recovery

Final Closure

Completed Project



TOWN OF KIAWAH ISLAND SOUTH CAROLINA

COASTAL SCIENCE & ENGINEERING