

ECONOMICS

2010 Price Level

Initial Construction \$127,973,000 (65/35 Cost Share)

Total Cost of Renourishment (6-year Renourishment Cycle) \$215,525,000 (50/50 Cost Share)

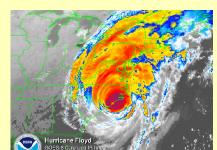
Total Annual Cost \$11,585,000

Total Annual Benefits \$40,779,000

Total Annual Net Benefits \$29,194,000

BCR 3.5 to 1









North Topsail Beach- Post Hurricane Fran (1996)

Coastal Storm Damage Reduction Benefits

Systems Analysis of Borrow Needs:

GEOTECHNICAL

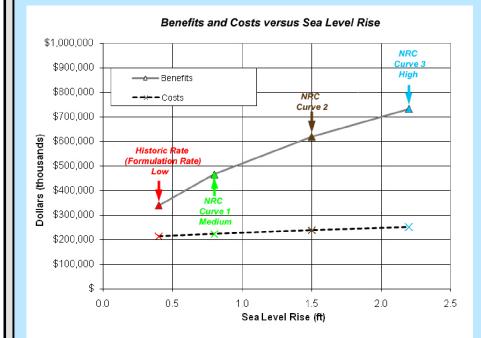
4 proposed projects on Topsail Island (2 federal and 2 non-federal). The two federal projects and one of the non-federal projects share some of the same offshore borrow areas.

Project	Volume (million cubic yards)
Surf City/North Topsail Beach federal	32.3
North Topsail Beach nonfederal	0.34
Topsail Beach federal	13.6
Topsail Beach nonfederal	0
Total, required	46.2
Total, available	50.5



Total borrow requirements from borrow sources identified for the federal projects

COASTAL ENGINEERING

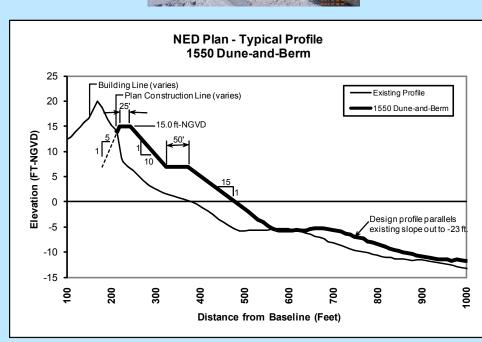


Recreation Benefits

Sea Level Rise Effects on Project Economics

- As SLR increases, project net benefits increase.





ENVIRONMENTAL

The environmental goal of the project is to avoid and minimize adverse impacts to the maximum extent practicable.

Considerations include:

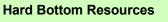
Seabeach Amaranth





Sea Turtles







Shorebirds