

<b>FACT SHEET</b> <b>Morehead City Harbor Section 933 Project - Phase II</b> <b>Bogue Banks, Carteret County</b>
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**PROJECT DESIGN** - Phase II of the Morehead City Harbor Section 933 Project will utilize beach-quality sand that resides as shoal material in the Outer Harbor for beach nourishment. Sand will be obtained from the Outer Harbor utilizing a self-contained hopper dredge that will subsequently steam to the offshore environment near Pine Knoll Shores and pump the material from the dredge to the shoreline. The beach nourishment template includes a "uniform design berm" comprised of two fundamental elements; (1) The construction of a sand berm at an elevation of approximately 7 feet above sea level, and (2) A seaward extension from the berm to the ocean at a 1 vertical to 25 horizontal slope. During construction, the berm will be extended by approximately 100 feet and is expected to equilibrate. There is no dune construction planned for the Project.

**CONSTRUCTION SUMMARY - FY 2007**

**Total Length of Beach:**

Pine Knoll Shores (Section 933 Project - Phase II)	21,120 feet	4.0 miles
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**Verified Sand Sources for Phase II (max.):**

Outer Harbor Maintenance Dredging (2007)	920,000 cubic yards
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**Distribution of Sand in Cubic Yards:**

Pine Knoll Shores (Section 933 Project - Phase II)	920,000 cubic yards
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**Cubic Yards per Linear Foot (cy/ft):**

Pine Knoll Shores (Section 933 Project - Phase II)	44 cy/ft
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**FISCAL SUMMARY - FY 2007**

*- estimate by Shore Protection Office -*

**Funding Requirements:**

**Federal Share**

Base Disposal Costs (100%)	\$2,577,820
Section 933 Project - Phase II (65%)	\$5,036,317
Subtotal	\$7,614,137

**State Share**

Base Disposal Costs (0%)	\$0
Section 933 Project - Phase II (26.25%)	\$2,033,897
Subtotal	\$2,033,897

**Local Share**

Base Disposal Costs (0%)	\$0
Pine Knoll Shores Section 933 costs (8.75%)	\$677,966
Subtotal	\$677,966

<b>Subtotal - Base Disposal</b>	\$2,577,820
<b>Subtotal - Section 933</b>	\$7,748,180
<b>TOTAL</b>	\$10,326,000

**Relative Costs:**

Cost per Linear Foot (\$ 2007)	\$489
Cost per Mile (\$ 2007)	\$2,581,500