

**FACT SHEET
BOGUE BANKS RESTORATION PROJECT
PHASE II – Eastern Emerald Isle**

General Construction Details (January 14 - March 27, 2003)

Length of Beach Constructed	31,111 feet (5.9 miles)
Length of Dune Constructed	13,031 feet (2.5 miles)
Volume of Beachfill (berm)	1,658,506 cubic yards
Volume of Beachfill (dune)	123,938 cubic yards
Total Taper Volume (1,578 feet)	85,282 cubic yards
Total Fill Volume	1,867,726 cubic yards
Volume per Linear Foot of Berm (eastern zone - 12,712 feet)	78.8 cubic yards (1,001,259 cubic yards total)
Volume per Linear Foot of Berm (middle zone - 3,921 feet)	54.2 cubic yards (212,452 cubic yards total)
Volume per Linear Foot of Berm (western zone - 12,900 feet)	34.5 cubic yards (444,795 cubic yards total)
Average Volume per Linear Foot (Berm and Dune)	60 cubic yards
Cost of Construction (\$ 2003)	\$11,711,630
Cost per Linear Foot (\$ 2003)	\$376.45
Total # of Sediment Sample Transects	70 transects
All Transects - Mean Grain Size	.44 mm
All Transects - CaCO ₃ %	44%
All Transects - % > 2 mm	12%
# of Transects Meeting 35% Target	11
Percentage of Transects Meeting 35% Target	16%
# of Transects Meeting 42% Target	34
Percentage of Transects Meeting 42% Target	49%

Hopper Dredging Summary

Volume Delivered	989,895 cubic yards
Percentage Delivered	53%
Distance of Shoreline Constructed	20,632 feet
Percentage of Shoreline Constructed	66%
# of Sediment Sample Transects	33
Percentage of Total Transects	47%
Hopper Transects - Mean Grain Size	.40 mm
Hopper Transects - CaCO ₃ %	41%
Hopper Transects - % > 2 mm	12%
# of Hopper Transects Meeting 35% CaCO ₃ Target	8
Percentage of Hopper Transects Meeting 35% CaCO ₃ Target	24%

of Hopper Transects Meeting 42% CaCO₃ Target 16
Percentage of Hopper Transects Meeting 42% CaCO₃ Target 48%

Cutterhead-Suction Dredging Summary

Volume Delivered	877,831 cubic yards
Percentage Delivered	47%
Distance of Shoreline Constructed	10,479 feet
Percentage of Shoreline Constructed	34%
# of Sediment Sample Transects	37
Percentage of Total Transects	53%
Cutter Transects - Mean Grain Size	.47 mm
Cutter Transects - CaCO ₃ %	46%
Cutter Transects - % > 2 mm	12%
# of Cutter Transects Meeting 35% CaCO ₃ Target	3
Percentage of Cutter Transects Meeting 35% CaCO ₃ Target	8%
# of Cutter Transects Meeting 42% CaCO ₃ Target	18
Percentage of Cutter Transects Meeting 42% CaCO ₃ Target	49%