

**Bogue Inlet Channel Erosion Response Project**  
**Draft Environmental Impact Statement**

Direct and Indirect Impacts. No direct or indirect impacts to drinking water supplies or facilities are expected to result from Alternatives E and F.

Cumulative Effects. None.

Compatibility with Project Objectives. Alternatives E and F are consistent with the project objectives.

### **5.23 ECONOMICS**

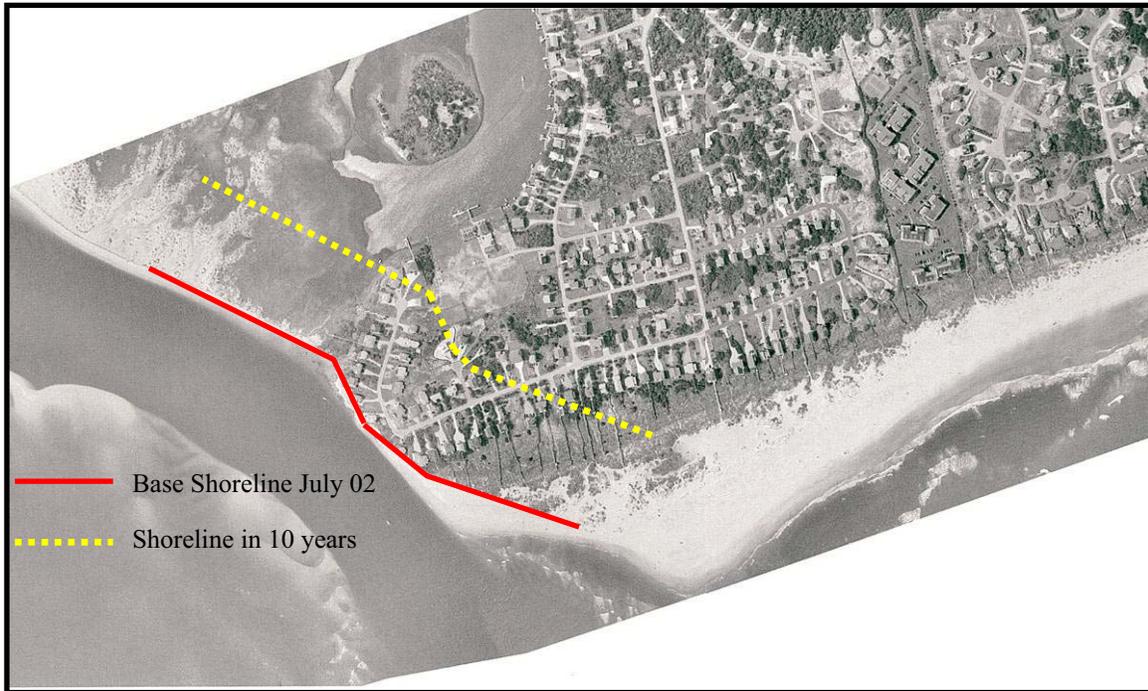
#### **Alternative A – No Action**

Direct and Indirect Impacts. The economic impact of Alternative A was evaluated based on the continued eastward migration of the inlet shoreline over the next 10 years. Even though the rate of eastward migration has ranged from 60 feet/year to 90 feet/year since 1984, the rate of eastward migration used in the analysis was 60 feet/year (See Appendix B). The present or base shoreline position and the 10-year shoreline position are shown on Figure 8. The economic impact of the continued eastward migration of the inlet was determined in 2-year increments throughout the 10-year analysis period.

For Alternative A, a structure would be lost to erosion once the inlet shoreline reaches its foundation. When this occurs, the structure would be abandoned and demolished by its owner with the debris transported to a local landfill. The evaluation of the economic impact of Alternative A included damage to real property including cleanup costs once a structure is lost, damage to infrastructure (roads and utilities), construction of temporary access roads to isolated structures, loss of tax revenues for both the Town of Emerald Isle and Carteret County, and the reduction in household spending associated with the lost of homes. Details of the economic impact analysis are provided in Appendix B and summarized in Table 13.

**Bogue Inlet Channel Erosion Response Project  
Draft Environmental Impact Statement**

**Figure 8  
Without Project Shoreline Projection  
Based on Erosion Rate of 60 ft/yr**



**Table 13  
Summary of Damages and Impact on Local Economy  
(Alternative A – No Action)  
Continued Inlet Shoreline Erosion over the Next 10 Years**

Year	Cumulative Present Worth Damages <sup>(1)</sup>	Cumulative Present Worth Lost Taxes Town & County	Cumulative Present Worth Reduction in Household Spending	Total Present Worth Economic Impact
2	\$1,600,400	\$20,500	\$249,400	\$1,870,300
4	\$4,617,700	\$61,600	\$604,100	\$5,283,400
6	\$6,670,400	\$128,100	\$1,164,900	\$7,963,400
8	\$8,804,500	\$218,400	\$1,884,200	\$10,907,100
10	\$11,492,800	\$337,600	\$2,763,100	\$14,593,500

<sup>(1)</sup> Includes lost structures, damage to infrastructure, and temporary access roads.