

APPENDIX A - SUBPART 3

EIS SCOPING AND PDT MEETING ISSUES

Appendix A - Subpart 3

BOGUE INLET CHANNEL EROSION RESPONSE PROJECT
EMERALD ISLE, NORTH CAROLINA
ENVIRONMENTAL IMPACT STATEMENT SCOPING AND PDT MEETING ISSUES

	ISSUE PRESENTED/DISCUSSED													ISSUE ADDRESSED						
	MAY 29, 2002 PUBLIC FORUM MEETING	OCTOBER 29, 2002 SCOPING MEETING	DECEMBER 12, 2002 MEETING	FEBRUARY 4, 2003 MEETING	FEBRUARY 19, 2003 MEETING	APRIL 16, 2003 PDT MEETING	MAY 1, 2003 AGENCY MEETING	JUNE 11, 2003 PTE SITE VISIT & MEETING	JULY 1, 2003 SHELLFISH/SAV MEETING	SEPTEMBER 10, 2003 PDT MEETING	OCTOBER 15, 2003 PDT MEETING	DEC. 4, 2003 PDT MEETING	BIOLOGICAL ASSESSMENT	ESSENTIAL FISH HABITAT DOCUMENT	CUMULATIVE EFFECTS ANALYSIS	CULTURAL RESOURCES REPORT	GEO TECHNICAL REPORT	ENGINEERING REPORT	ENVIRONMENTAL IMPACT STATEMENT	
Project Rationale																				
1 What is the scope of the project and how much sand are we talking about? Quantify the objectives at The Point.		P																X	X	
2 Identify who "we" are protecting.		P											X							
3 Indicate the project needs (ie., beach nourishment, property protection, filling of the current channel, etc.).		P											X							
4 Define primary and secondary purpose of project (ie., not enough sand to close the channel).		P											X							
Concerns for Adjacent Habitats																				
1 Cumulative and secondary impacts when considering mitigation and planning.		P			P			P			P				X					
2 Evaluate effects on Habitat Areas of Particular Concern (HAPC).		NP												X						
3 Evaluate potential effects to Frazier's Creek and Hammocks Beach State Park.		NP																		X
4 Indirect impacts to marshes (west end of Emerald Isle), seagrasses, shallow water habitats, and Dudley's Island bay scallops and hard clams.		NP								P										X
5 Erosion to shoal system and shorebird habitat, Bogue Banks, Bogue Inlet islands.		NP	P										X		X					
6 Comprehensive documentation of both positive and negative biological, ecological, and geographical effects.		P													X					
7 Ecological discussion and value of inlets on threatened and endangered species, including restoration of wildlife habitat (ie., turtles and piping plovers).		NP											X							
8 Cumulative environmental effects of inlet relocation, maintenance and renourishment on a local, statewide and/or federal basis.		P			P		P								X					X
9 Overview of inlet's potential to restrict zone of inlet migration resulting in creation of and reduction in habitat for rare and endangered species.		NP											X						X	
10 Concerned with warm season project impacts on nesting shorebirds and nesting sea turtles, especially during nourishment activities.		NP													X					X
11 Investigate funding for studies that document suitable habitat, future monitoring, and mitigation.		NP	P								P	P								X
12 Investigate mitigation and conservation ideas (include acquisition of private residences).		NP	P		P						P	P								X

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Turtles																			
1		NP											X		X				X
2		NP																X	X
3		NP													X				X
4		NP		NP														X	X
5		NP																X	
6		NP																X	X
7						NP								X					
Macroinvertebrates																			
1		NP											X						
2		NP											X						
3		NP												X					
Water Quality																			
1		P		P				P							X				
2		NP											X				X		
3			P							P									X
Channel Design Issues																			
1		NP															X	X	X
2		NP											X						X
3		NP											X			X	X	X	X
4		NP											X			X	X	X	X

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Channel Design Issues Cont'd																				
5		NP				NP														X
6	Explain the rationale for the proposed channel design, its size and its affect on flow velocity. To what degree will moving channel have impact on inlet (size, tides, salinity, etc).	NP		NP									X					X	X	X
7	Analyze the ideal depth	P											X					X	X	X
8	Explain the priority given for the use of the dredged sand material.	NP											X					X	X	X
9	Provide a more detailed search on the inlet's migration.	NP											X					X	X	X
10	Develop a protocol for sand bag removal.	NP																		
11	Justify the proposed 13 foot depth.	NP											X					X	X	X
12	Ensure that the study clearly identifies the Intent of the Inlet vs. the Channel relocation	NP																		X
13	What are the cumulative environmental effects of the inlet relocation and renourishment on a federal, state and local basis?	NP		P											X					
14	Address maintenance dredging impacts			P											X					X
15	Where is the zone of influence			P														X	X	X
16	Address shoreline positions and erosion rates			P						P	P		X					X	X	X
17	Investigate alternative uses of jetty and spoil from dredge islands. Discuss project alternatives (no action, sandbags, terminal groin)	NP			P															X
Channel Maintenance Issues																				
1	Deposit maintenance spoil on down-drift shore versus up-drift shore.	P																		X
2	Use hopper dredge as primary method of channel maintenance and evaluate its effectiveness.	NP																		X
3	Ensure that future dredging puts sand back on beach.	P																		X
4	Describe/provide ongoing stabilization efforts by dredging methods.	NP				NP														X
5	Maintain the federal channel depth at 8 feet.	P																		
6	Can the inlet be maintained to handle boats drawing 6 to 10 feet of water? What will be the dimensions of the maintained channel?	NP																		X
7	Provide upfront guidelines for maintaining channel location (ie., frequency, implementation, magnitude, etc).	NP																		X

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Channel Maintenance Issues Cont'd																				
8		NP																		X
9		NP																		
10		P		NP		NP												X	X	X
11		NP																		
12		NP																		X
Economic, Recreational, Commercial, Public Interest and Safety Issues																				
1		P																		
2		NP																		X
3		NP																		X
4		NP																		X
5		NP																		
6		NP																		X
7		NP											X					X	X	X
8		P		P																X
9		P																		X
10		P	P			P					P	P								X
11		P				NP					P	P								X

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Economic, Recreational, Commercial, Public Interest and Safety Issues Cont'd																				
12	Address the septic problems for the west end of Emerald Isle if the inlet is not relocated and The Pointe floods.																			
13	Are State funds available for public access (NCGS 113A-134.3)?																			
14	Need state lands to be cognizant of beach nourishment resulting in any new regulations addressing beach development (ie., setbacks etc.).																			
15	Construction should occur outside of the summer months, when the inlet is heavily used.																			
16	Address recreational values (ie., fishing in Bogue Inlet)																			
Project Maps																				
1	Concerns about baseline photography.																			
2	Include Permit and Project Area maps																			
3	Include boundary of Coastal Inlet Management Hazard line (show on Permit Area Plan)																			
Other Issues																				
1	Examine manatee impacts if dredging occurs between June 1 and Nov. 1																			
2	Full disclosure and addressing of concerns as early as possible by all parties.																			
3	Include alternatives (relocated houses and habitat restoration of abandoned lots; alternative channel dimensions; opening of the USCG Channel)																			
4	Discuss accuracy of measurements (data collection)																			
5	Include Seabeach Amaranth data																			
6	Establish amount of time for dredge in water during construction (60 days). Incorporate contingencies for weather during construction (ie., remove dredge, how is channel "plugged")																			
Reference Projects																				
1	Identify any reference projects that might exist.																			
2	Corps should utilize lessons learned from the relocation of Mason Inlet to this proposed project.																			

P = Project Related Issue
NP = Non-Project Related Issue
X = Addressed in Document