

## Scoping Meeting Comments

### Group 1

- Safety of Commercial Fisherman
- Navigable Waters maintained at proper depth
- Markers used in Inlet- Safety
- Impact Study on nesting sea turtles
- Incorporation of existing studies/data, i.e., Fort Macon, Pea Island
- Downdrift study of terminal groin over long-term
- Funding of future maintenance
- Long-term funding source/commitments
- Erosion impact analysis and mitigation measures (in-place)
- Impact of terminal groin on Oak Island
- How would the project affect natural movement of channel?
- Modeling analysis of short/long-term effects on the west end of Oak Island & monitoring
- Understanding of impacts from each alternative, specifically in front of Dune Scape.
- Cost Benefit Analysis of each alternative
- Who is going to pay for project?
- Aesthetics of terminal groin/beach over time (short- and long-term)
- How will the alternative be chosen?
- Ensure items listed in Federal Register Notice of Intent are addressed in the document

### Group 2

- Risk assessment of sand placement
- Will groin placement at east Holden Beach have effect on west end of Oak Island & Ocean Isle?
- If placed at Ocean Isle will it have an effect on west end of Holden Beach
- Specific location of groin at Holden Beach
- Ensure water quality does not change & adverse effect on birds
- Impact of erosion on center of island around the pier
- Is beach renourishment part of EIS? If so, would like renourishment plan to cover the entire island.
- How do you decide what the groin is made of- what kind of materials & safety concerns.
- What area of groin will be visible vs buried?
- Which areas do they anticipate will receive renourishment and what areas will need dredging?
- What happens if the groin fails?
- How long till we see results?
- Consideration of effects of other groin projects
- EIS should include results & studies of other groin projects and how they worked
- Include the success of Bald Head Island groins when installed
- How structurally sound will the groins be (not rubble)?

- Time frame for construction
- Will the groin change habitat or vegetation types on waterway side?
- Legal ramifications- specifically liability or cost of groin removal or impacts to adjacent area and islands.
- Every possibility considered- materials- all reasonable alternatives for shoreline protection
- Will the groin maintain navigable waters specified by the Coast Guard @ Lockwood Folly Inlet?
- How is the project funded?
- Is the east end of Holden Beach a potential sand source (eastern channel)?
- Will the height of the groin stop long term sand migration?
- Who will identify the possible negative impacts and who will pay for the identification and impacts?
- What is the width of the groin?

### Group 3

- Are there negative effects as a result of existing south facing terminal groins (history) for purposes of EIS?
- What does the proposed groin project mean for fishing and shrimping boats using the inlet (navigation)/recreational?
- Will the terminal groin have a negative/positive effect on the navigability of the inlet?
- EIS should consider a groin field (as is on Bald Head) as an alternative
- Can the groin as proposed in Alternative 1 be extended further to act as a jetty and facilitate the inlet as well?
- How much will the groin increase the beach renourishment intervals?
- What are the negatives on the natural environment?
- What about effects on four sunken ships (historic areas) with the inlet?

### Group 4

- What is the effect of the project towards west of the groin?
- What will the groin do to the inlet?
- Will the groin capture the pollutants from river?
- How does the length of the groin affect the down drift?
- Proof of concept
- What are the success criteria? What is the time limit on monitoring?
- What will be the back-out plan (cost)?
- What will be the cost of groin and maintaining the groin?
- Who will maintain groin (inlet)?
- Do we have enough history?
- What is the effect of a hurricane & coastal storms?
- Focus on existing groin history
- Effect of construction activity on roads

- Will it cut down the maintenance of the inlet? More or less dredging?
- If damage occurs will it be taken out?
- How could the groin affect Oak Island?
- What are potential savings on a successful groin (beach nourishment)?