

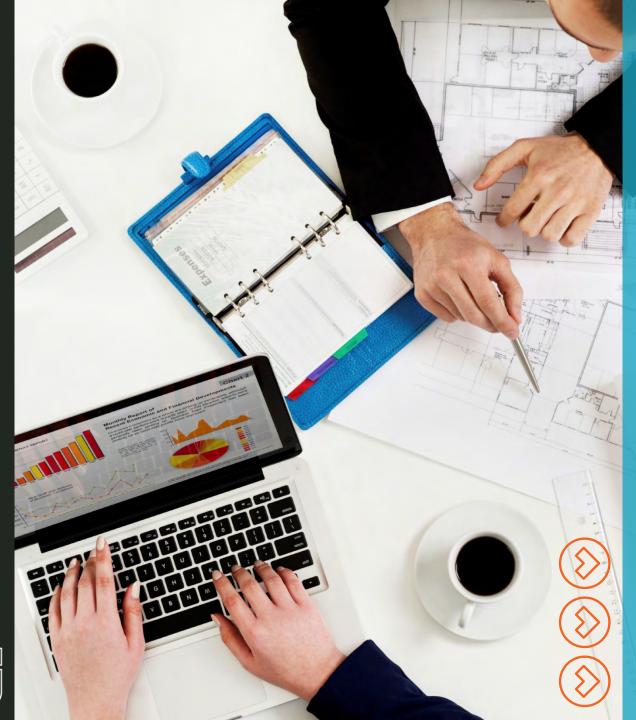






Best Management Practices for Endangered Species Act Compliance at Five Shallow-Draft Inlets in North Carolina

Chris Kriegner



AGENDA

Project Overview
Section 7 Consultation
Issued Biological Opinion
Takeaways





Project Overview





Project Needs





U.S. Department of Homeland Security

United States Coast Guard

LOCAL NOTICE TO MARINERS

District: 5 Week: 20/16

NC - HAZARDS OF NORTH CAROLINA COASTAL INLETS

This notice is to notify mariners about accessing hazardous inlets, to heighten public awareness about the hazards that exist in and around the inlets, and to provide the mariner with available information. Mariners are advised that shoaling conditions exist at following North Carolina coastal inlets:

Oregon Inlet Hatteras Inlet Ocracoke Inlet Barden Inlet

Beaufort Inlet Bogue Inlet New River Inlet Topsail Inlet

Masonboro Inlet Carolina Beach Inlet Lockwoods Folly Inlet Shallotte Inlet

Shoaling conditions increase the potential for groundings. These inlets are subject to continual and sometimes rapid environmental changes. Mariners are highly encouraged to obtain the most recent U.S. Army Corps of Engineers Wilmington, North Carolina District hydrographic survey information, centerline waypoints and controlling depth at:

http://www.saw.usace.army.mil/Missions/Navigation/HydrographicSurveys.aspx

Mariners should use caution when navigating in these areas and passage through the inlets is not recommended without local knowledge of the area. The aids to navigation in these inlets may not be charted and may not be marking best water due to continually shifting shoals. Consult Local Notice to Mariners, 5th Coast Guard District for the latest positions and status of aids to navigation:

http://www.navcen.uscg.gov/?pageName=lnmDistrict®ion=5

To report any aids to navigation discrepancies (missing, damaged, off station, extinguished lights), shoaling, hazards to navigation, or discrepancies on bridge lighting, please contact Sector North Carolina Command Center (910) 343-2200.



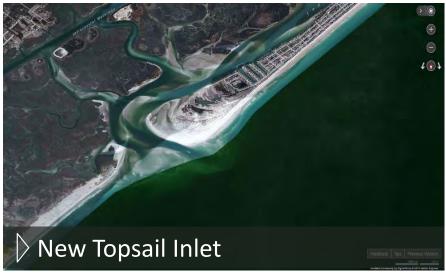


Participants

Project Area	Applicant
Bogue Inlet, Connecting Channel, AIWW Crossing	Town of Emerald Isle
New Topsail Inlet, Topsail Creek, Banks Channel, AIWW Crossing	Town of Topsail Beach
Carolina Beach Inlet, AIWW Crossing	New Hanover County
Lockwoods Folly Inlet, AIWW Crossing	Town of Holden Beach
Shallotte River Inlet CSDR Borrow Area, AIWW Crossing	Town of Ocean Isle Beach















Dredging Locations

- AIWW crossings and wideners
- Connecting channels
- Inlets

Material Disposition

- Beneficial placement
- Nearshore placement
- CDF



Dimension	Bouge Inlet	New Topsail Inlet	Carolina Beach Inlet	Lockwoods Folly Inlet	Shallotte River Inlet
Length	AIWW: 5,400 ft Bouge Inlet: 6,100 ft Connecting Channel: 10,400 ft	AIWW: 7,800 ft New Topsail Inlet: 7,800ft Topsail Creek: 8,000 ft Banks Channel: 21,100 ft	AIWW: 3,900 ft Carolina Beach Inlet: 6,300 ft	AIWW: 7,700 ft Lockwoods Folly Inlet: 4,100 ft	AIWW: 9,000 ft Shallotte River Inlet: 5,400 ft
Width	AIWW: 90 ft Bouge Inlet: 150 ft Connecting Channel: 90 ft	AIWW: 90 ft New Topsail Inlet: 150 ft Topsail Creek & Banks Channel: 80 ft	AIWW: 90 ft Carolina Beach Inlet: 150 ft	AIWW: 90ft Lockwoods Folly Inlet: 150 ft	AIWW: 90 ft Shallotte River Inlet: 150 ft
Approx. Maintained Navigation Area (Includes Wideners)	~64 acres	~108 acres	~44 acres	~48 acres	~53 acres



Supporting Documentation

Cultural Resource Assessment

Essential Fish Habitat Assessment

Geotechnical Assessment

Biological Assessments





Section 7 Consultation









- Federal approval (USACE Wilmington District) required
- Formal ESA Section 7 Consultation required
- Supplemental BA developed for loggerhead sea turtle (Caretta caretta), Atlantic sturgeon (Acipenser oxyrinchus oxyrinchus), and rufa red knot (Calidris canutus rufa)







Expanded Biological Assessment



















Issued Biological Opinion





Biological Opinion

- Evaluated all listed species identified in Expanded BA
- Incidental take determinations

- Issued species-specific RPMs
- Issued species-specific Terms and Conditions (a.k.a. Best Management Practices)





Project Takeaways





Unique collaboration



Backup to existing USACE maintenance dredging

Takeaways



Two new listings (NARW critical habitat, red knot)

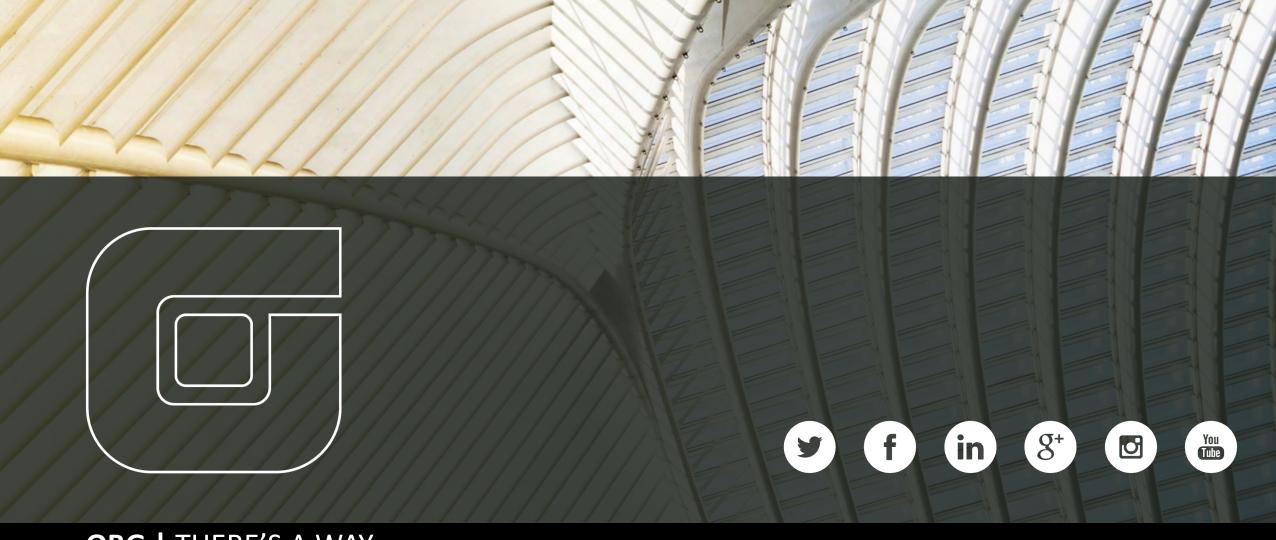


Review clock



Renewal timeline





OBG | THERE'S A WAY

Thank you!

Chris Kriegner