

EXCAVATION and FILL

(Except for bridges and culverts)

Attach this form to Joint Application for CAMA Major Permit, Form DCM MP-1. Be sure to complete all other sections of the Joint Application that relate to this proposed project. Please include all supplemental information.

Describe below the purpose of proposed excavation and/or fill activities. **All values should be given in feet.**

	Access Channel (NLW or NWL)	Canal	Boat Basin	Boat Ramp	Rock Groin	Rock Breakwater	Other (excluding shoreline stabilization)
Length	1,750 ft	8,900					
Width	100 ft	20 to 80 ft					
Avg. Existing Depth	Approx. -1.5 MLW	-2 to -3 MLW			NA	NA	
Final Project Depth	-6(-5+1) MLW	-5(-4+1) to -6(-5+1) MLW			NA	NA	

1. EXCAVATION This section not applicable

- a. Amount of material to be excavated from below NHW or NWL in cubic yards.
89,100 CY
- b. Type of material to be excavated.
sand, silty sand, sandy silt, and silt
- c. (i) Does the area to be excavated include coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
 CW _____ SAV _____ SB _____
 WL _____ None
- (ii) Describe the purpose of the excavation in these areas:
a 10-ft buffer will be maintained from any coastal marsh
- d. High-ground excavation in cubic yards.
0 CY

2. DISPOSAL OF EXCAVATED MATERIAL This section not applicable

- a. Location of disposal area.
Landfill Facility off State Rd. 1154 in Shallotte (Brunswick)
Beach placement between 5th & 12th St. on Sunset Beach.
- b. Dimensions of disposal area.
< 2 Ac - Landfill facility
8.5 Ac - Beneficial reuse site
- c. (i) Do you claim title to disposal area?
 Yes No NA
- (ii) If no, attach a letter granting permission from the owner.
- d. (i) Will a disposal area be available for future maintenance?
 Yes No NA
- (ii) If yes, where?
Same location for landfill and beneficial reuse site.
- e. (i) Does the disposal area include any coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
 CW _____ SAV _____ SB _____
 WL _____ None
- (ii) Describe the purpose of disposal in these areas:
- f. (i) Does the disposal include any area in the water?
 Yes No NA
- (ii) If yes, how much water area is affected?
4.7 Ac- Beneficial reuse material placement (below MHW)

3. SHORELINE STABILIZATION

(If development is a wood groin, use MP-4 – Structures)

This section not applicable

- a. Type of shoreline stabilization:
 Bulkhead Riprap Breakwater/Sill Other:
 Beneficial Reuse
- b. Length: 1,600 ft
 Width: ~275 ft
- c. Average distance waterward of NHW or NWL: 100
- d. Maximum distance waterward of NHW or NWL: 120 ft
- e. Type of stabilization material:
Sand
- f. (i) Has there been shoreline erosion during preceding 12 months?
 Yes No NA
 (ii) If yes, state amount of erosion and source of erosion amount information.
- g. Number of square feet of fill to be placed below water level.
 Bulkhead backfill _____ Riprap _____
 Breakwater/Sill _____ Other _____
- h. Type of fill material.
Sand
- i. Source of fill material.
S. Jinks Creek Navigation Channel

4. OTHER FILL ACTIVITIES

(Excluding Shoreline Stabilization)

This section not applicable

- a. (i) Will fill material be brought to the site? Yes No NA
 If yes,
 (ii) Amount of material to be placed in the water _____
 (iii) Dimensions of fill area _____
 (iv) Purpose of fill _____
- b. (i) Will fill material be placed in coastal wetlands/marsh (CW), submerged aquatic vegetation (SAV), shell bottom (SB), or other wetlands (WL)? If any boxes are checked, provide the number of square feet affected.
 CW _____ SAV _____ SB _____
 WL _____ None _____
 (ii) Describe the purpose of the fill in these areas: _____

5. GENERAL

- a. How will excavated or fill material be kept on site and erosion controlled?
Weir and dike / berm system
- b. What type of construction equipment will be used (e.g., dragline, backhoe, or hydraulic dredge)?
Hydraulic dredge for beneficial reuse material / mechanical dredge (excavator) & dump truck for non-compatible
- c. (i) Will navigational aids be required as a result of the project?
 Yes No NA
 (ii) If yes, explain what type and how they will be implemented.
Temporary aids (lights) will be provided by the Contractor during construction
- d. (i) Will wetlands be crossed in transporting equipment to project site? Yes No NA
 (ii) If yes, explain steps that will be taken to avoid or minimize environmental impacts.

Date _____

Sunset Beach Navigation Project - Maintenance Dredging of South Jinks Creek, the Bay Area and the Feeder Channel

Project Name _____

 Hiram J. Marziano, II, CFM