



North Carolina Living Shoreline Permitting



Brendan Brock

DCM-Field Representative (Southern Brunswick)

Wilmington Regional Office





Marsh Sills (Living Shorelines)

- ~Constructed out of sloping riprap stone including granite, marl, oyster shell or broken concrete
- ~Placed offshore and parallel to shore to reduce wave energy to protect existing and or newly planted wetland/marsh grasses.





Shoreline Stabilization Permitting

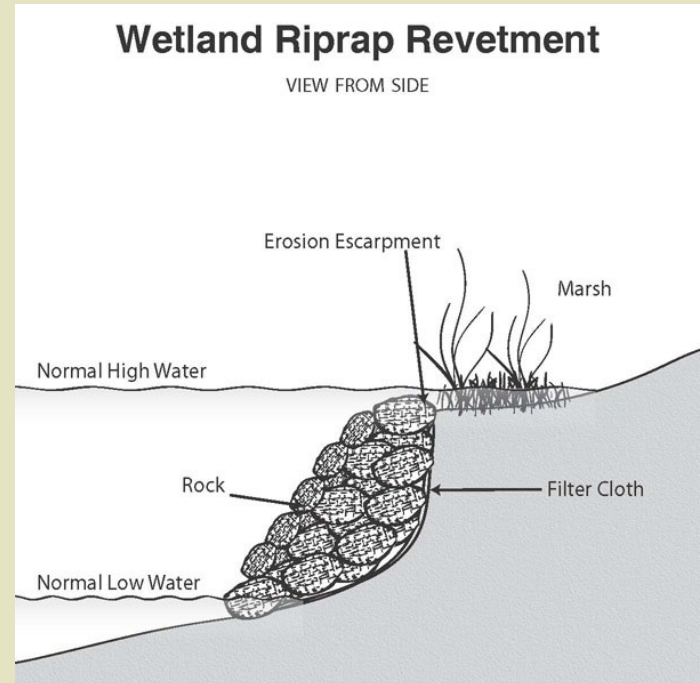
General Permits (GPs): issued by DCM field staff and are streamlined major permits for routine projects.

Major permits: reviewed by 10 state & 4 federal agencies and are issued at the Division headquarters (permit issuance averages 75-90 days).



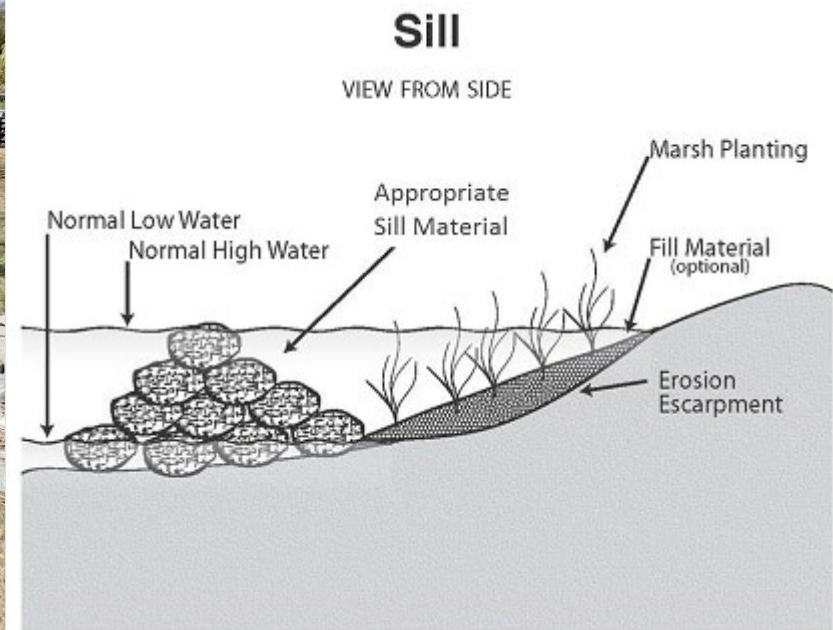
Two Types of General Permits:

- Riprap revetment for Wetland Protection GP (.2400)





Marsh Sill for Wetland Enhancement GP (.2700) – **AKA Living Shoreline GP**





General Permit for Living Shorelines

- Limited to 30' past normal high water or 5' past existing wetlands.
- Cannot exceed 12" above normal high water (NHW)
- Slope cannot exceed 1.5' horizontal distance over a 1' vertical rise
- Max length 500' with a 5' openings every 100'
- Max base width of 12'
- Must be marked for navigational purposes every 50'
- Cannot construct over existing SAV or oyster beds
- **NO ASSOCIATED BACKFILL**



General Permit for Living Shorelines

- USACE Regional General Permit for Marsh Sills became effective March 2019
- In turn, the DCM Living Shoreline GP became effective April 1, 2019

**** Cannot interfere with navigation or existing shellfish leases****



General Permit Application

SECTION .2700 – GENERAL PERMIT FOR THE CONSTRUCTION MARSH SILLS

15A NCAC 07H .2701 PURPOSE

A general permit under this Section shall allow for the construction of marsh sills for wetland enhancement and shoreline stabilization in estuarine and public trust waters as set out in 15A NCAC 07J .1100 and according to the rules in this Section. Marsh sills are defined as sills that are shore-parallel structures built in conjunction with existing, created, or restored wetlands. This general permit shall not apply within the Ocean Hazard System AECs or waters adjacent to these AECs with the exception of those portions of shoreline within the Inlet Hazard Area AEC that feature characteristics of Estuarine Shorelines. Such features include the presence of wetland vegetation, lower wave energy, and lower erosion rates than in the adjoining Ocean Erodible Area.

History Note: Authority G.S. 113A-107; 113A-118.1;
Temporary Adoption Eff. June 15, 2004;
Eff. April 1, 2005;
Temporary Amendment Eff. April 1, 2019;
Amended Eff. July 1, 2019.

15A NCAC 07H .2702 APPROVAL PROCEDURES

(a) An applicant for a General Permit under this Subchapter shall contact the Division of Coastal Management and request approval for development. The applicant shall provide information on site location, dimensions of the project area, and applicant name and address.

(b) The applicant shall provide:

- (1) confirmation that a written statement has been obtained signed by the adjacent riparian property owners indicating that they have no objections to the proposed work; or
- (2) confirmation that the adjacent riparian property owners have been notified by certified mail of the proposed work. The notice shall instruct adjacent property owners to provide any comments on the proposed development in writing for consideration by permitting officials to the Division of Coastal Management within 10 days of receipt of the notice, and, indicate that no response will be interpreted as no objection.

(c) DCM staff shall review all comments and determine, based on their relevance to the potential impacts of the proposed project, if the proposed project can be approved by a General Permit.

(d) No work shall begin until an on-site meeting is held with the applicant and a Division of Coastal Management representative to review the proposed development. Written authorization to proceed with the proposed development shall be issued if the Division representative finds that the application meets all the requirements of this Subchapter. Construction shall be completed within 120 days of the issuance of the general authorization or the authorization shall expire and it shall be necessary to re-examine the proposed development to determine if the general authorization may be reissued.

History Note: Authority G.S. 113A-107; 113A-118.1;
Temporary Adoption Eff. June 15, 2004;
Eff. April 1, 2005;
Amended Eff. October 1, 2007.

- GP application
 - Drawing (NHW/CW)
 - Adjacent Riparian Neighbor notifications
(Do not need a waiver if less than 25 ft. below NHW)
 - Permit fee (\$200)



Major Permit

used for Living Shorelines that don't meet GP

- Reviewed by 10 state & 4 federal agencies
- Permit issuance averages 75 days
- Application Requirements:

Adjacent Property owner notification

Deed (or other legal instrument)

Top view drawing

Cross section drawing

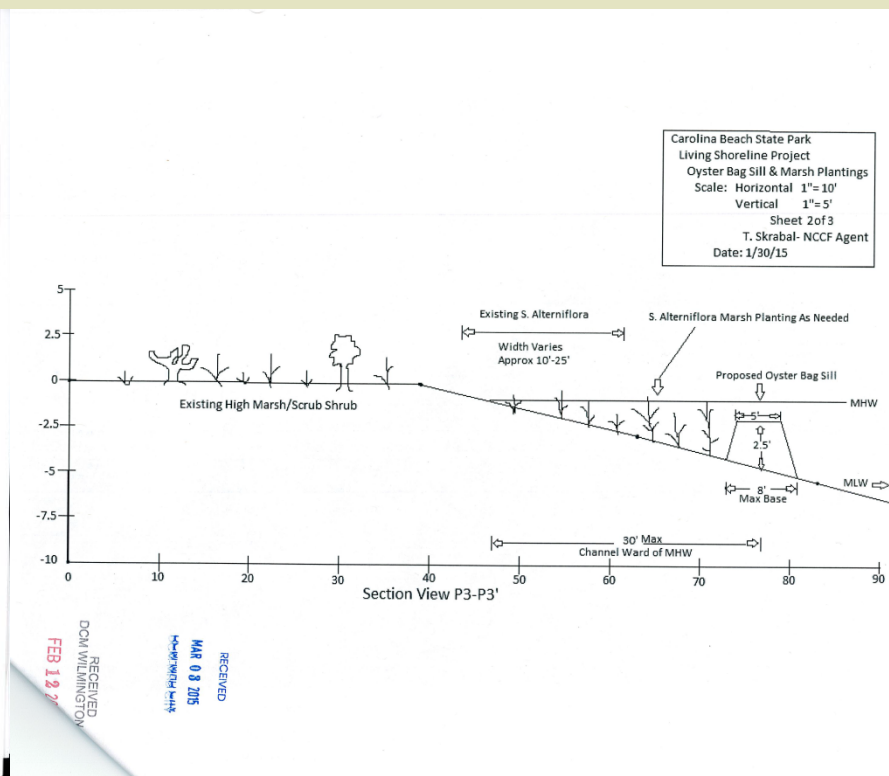
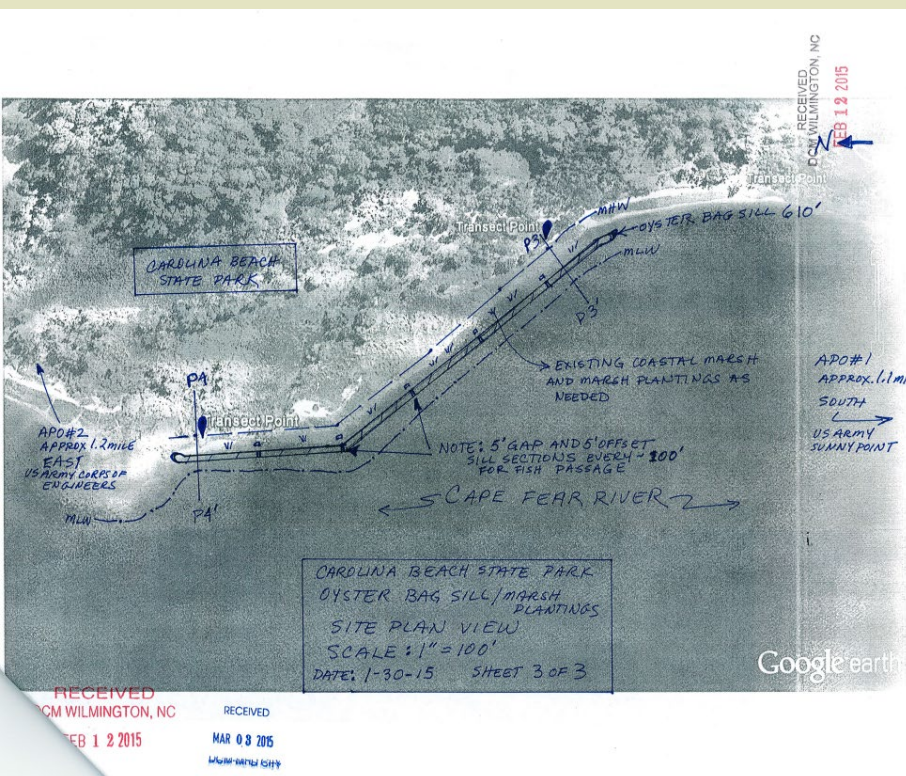
Application forms (MP-1 and MP-2)

\$400.00 permit fee



Major Permit Drawings

- Do not require surveyed or engineered drawings and can be hand drawn but must be to **SCALE!**





Quick tips for expedited applications

- Discuss Navigational impacts
- Propose Marking (reflectors)
- Review possible submerged aquatic vegetation (SAV) impacts
- Discuss oyster growing potential
- Review if area is Open or Closed to shellfish
- Determine bottom type (mud or sand bottom)
- Propose gaps for marine animal movement



Questions?

Find a Field Rep Locator Tool



The Division of Coastal Management has launched a new interactive mapping tool to assist the public in identifying the appropriate field representative in the 20 coastal counties to start the CAMA permit application process in your area. The tool provides this information in a simple map format. The location query will generate a pop-up box with contact information to “Find a Field Rep”.

Landowners, contractors, and others can use the tool to identify the Division of Coastal Management field staff serving as the first point of contact for permitting inquiries and processes.

Click the [here](#)  to Find a Field Rep in your CAMA region.

Brendan Brock
DCM Wilmington
910-796 7226
Brendan.Brock@ncdenr.gov

**[https://deq.nc.gov/about/
divisions/division-
coastal-management](https://deq.nc.gov/about/divisions/division-coastal-management)**