

# Hail Cove Living Shoreline Project



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1. Partnership
2. Project's final phase
3. Ecological benefits to the Chester River/Chesapeake Bay





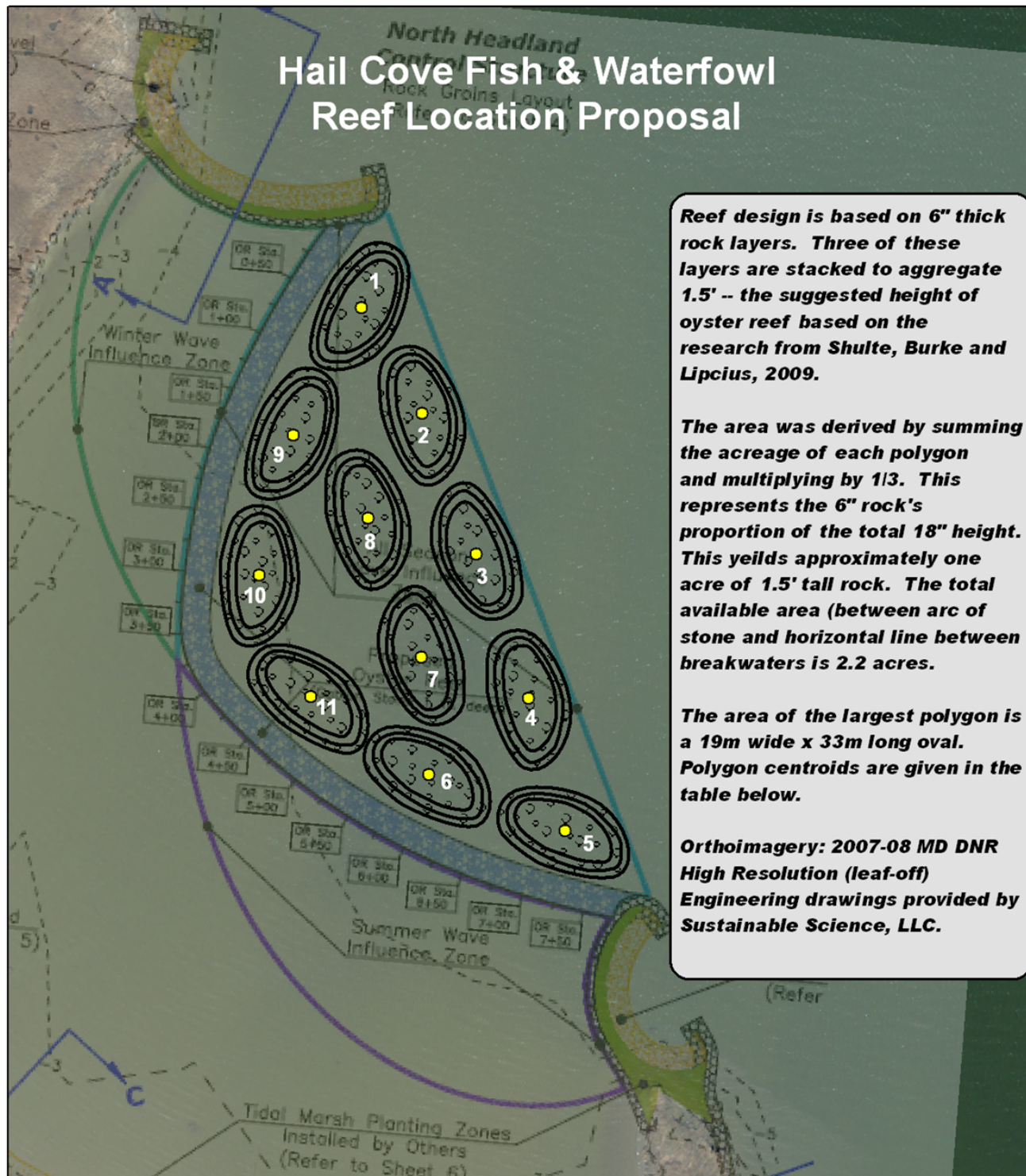
## Hail Cove Fish & Waterfowl Reef Location Proposal

**Reef design is based on 6" thick rock layers. Three of these layers are stacked to aggregate 1.5' -- the suggested height of oyster reef based on the research from Shulte, Burke and Lipcius, 2009.**

**The area was derived by summing the acreage of each polygon and multiplying by 1/3. This represents the 6" rock's proportion of the total 18" height. This yields approximately one acre of 1.5' tall rock. The total available area (between arc of stone and horizontal line between breakwaters) is 2.2 acres.**

**The area of the largest polygon is a 19m wide x 33m long oval. Polygon centroids are given in the table below.**

**Orthoimagery: 2007-08 MD DNR High Resolution (leaf-off)  
Engineering drawings provided by Sustainable Science, LLC.**



# Hail Cove LSP - Monitoring



1. Waterfowl feeding in the marsh
2. Terrapins nesting on the beach
3. Reef habitat community, and
4. Juvenile fish and crab refuge

