# Oyster restoration: CAMA Permitting and Habitat considerations

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#### **Oyster Restoration Permitting**

 Any private oyster restoration will require authorization from DCM

- Typically, oyster restoration will need to be permitted through the Major permit process
- Umbrella permit process one application

### **Oyster Restoration Permitting**

**Major permits** applications are reviewed DCM staff (Field rep. and Fisheries Resource Sp.) and other agencies including WRC, DWR, and USACE.

Typical concerns fall into three categories...



## Navigation

- Reef locationlocally utilized channels
- Reef height –
   marking reef
- Riparian rights



### **Historic Use**

- Fisheries in area
- Recreational use
- User conflict







### **Fish Habitat**

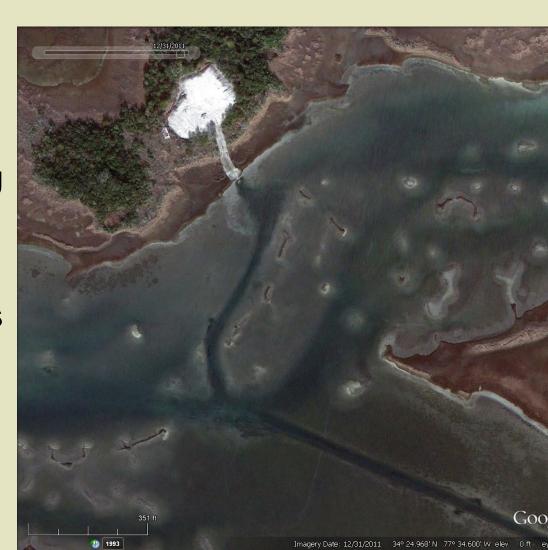
Project Design – Fish access trade-offs



#### **Fish Habitat**

 Project Constructionmore Habitat Trade-offs

Marsh impacts - staging area, machinery ruts, loading a barge, treading Bottom habitat impacts barge compaction, prop dredging, treading



## **Oyster Habitat**

- Site Selection –Regional/site conditions
- Project Design Substrate (Oyster shell limited resource)





# Share your successes (and failures)!