



LIVING SHORELINES

Arlington Cove

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Arlington Cove is located on privately-owned lands near the Alabama State Port and Mobile Airport Authority in the City of Mobile. The site serves diverse international interests and provides a platform to link the economy and the environment in north Mobile Bay. Five reef segments were placed approximately 100 ft from the shoreline, and restored over .02 acre of reef breakwater and living shoreline habitat.

The 2015 Arlington Cove project design was developed by CH2M Hill and TNC. The design yielded five reefs constructed with interlocking Oyster Castles™. The five reefs created a breakwater protecting 938 ft of natural shoreline. The project included 2,375 Oyster Castle™ units and were constructed by 322 volunteers putting in 1,670 manhours.

ARLINGTON COVE FACTS

CONSTRUCTED IN
2015

938
LINEAR FEET

2,375
OYSTER CASTLES™

36
MARSH PLANTS

5
REEFS

340
VOLUNTEERS

1,700
VOLUNTEER HOURS



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TOP Newly constructed reefs. BOTTOM Quarter meter square used in annual biological monitoring.

The Future of Arlington Cove

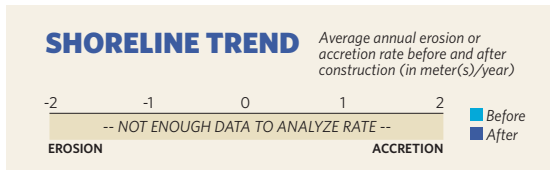
The Nature Conservancy continues to monitor the site to observe shoreline protection and oyster and mussel recruitment results as this new site matures.



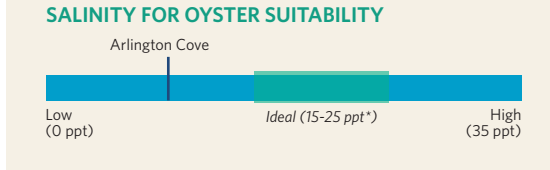
LOCATION Mobile County, AL

PARTNERS University of South Alabama Foundation, CH2M Hill, Mobile Airport Authority, City of Mobile, Mobile Bay Convention and Visitors Bureau, 100-1000: Restore Coastal Alabama

FUNDERS TNC-WO, JL Bedsole Foundation, Cole Foundation, and Curtis and Edith Munson Foundation: \$125,000



- BIVALVES**
- This low-salinity site saw great mussel recruitment.
 - The Nature Conservancy's approach to adaptive management means that restoration projects are monitored each year. Using results from monitoring, projects are adjusted to respond to varying location conditions that influence performance.



*ppt= parts per thousand