





Historic Oyster Cans

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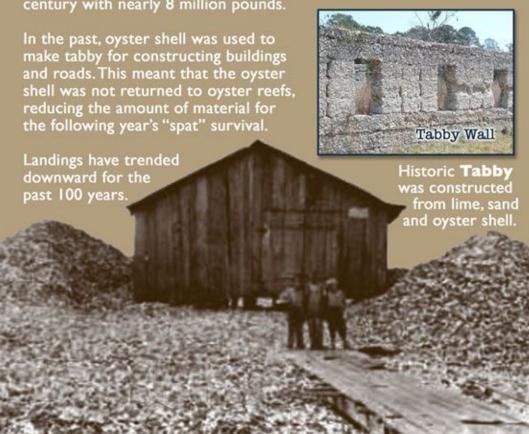
In the 1800s, demand for oysters increased due to advancements in hermetically sealed packaging and the growth of the U.S. population.

American patents awarded that improved oyster packaging:

- · 1825 tin-plated cans
- 1849 canning machine that increased production from
 5-6 to 50–60 cans per hour



Georgia led the nation in oyster harvest at he turn of the 20th century with nearly 8 million pounds.





Oysters: A Keystone Species

· Oyster shells are used in

- Oysters are called a **keystone** species because they play a critical role in maintaining the ecosystem.
- Shellfish are efficient filter feeders that help reduce nutrient levels, contaminants and turbidity in the water.
- Oyster reefs help control tidal-creek shoreline erosion by dispersing waves and holding sediments intact.









Oyster reefs provide habitat for fish, crustaceans, invertebrates and birds. These animals use the environments at different lifecycle stages and use the reefs for forage, refuge and reproduction.





Shellfish aquaculture is an environmentally friendly industry that employs many people. Common shellfish farming operations use "planted seed" to replenish harvested stocks. Unlike other farming practices, all shellfish are grown without using chemicals, herbicides, pesticides, fertilizers, antibiotics or feeds.







Georgia's Department of Natural Resources manages the state's oyster resources. One management strategy used is "planting cultch material" to provide substrate for juvenile oysters known as "spat." By planting cultch, biologists can:





There has been an 85% loss of oyster reefs worldwide since 1900. This is due to a variety of threats:

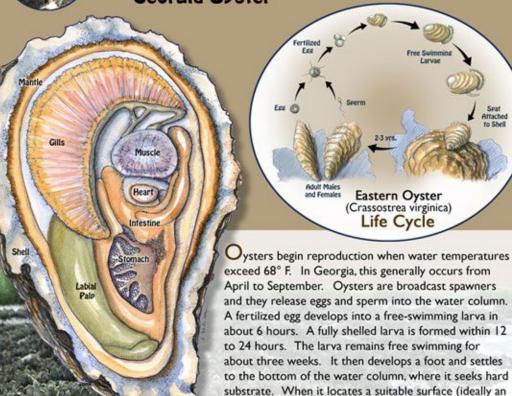
- Drought can cause elevated salinity levels and reduced dissolved oxygen levels in the estuary.
- Boring Sponge
- During high-saline periods, oysters become susceptible to diseases and parasites.
- · Pollution can have a very negative impact on oyster-reef health.
- Oysters are subject to natural predators like boring sponges, whelks, oyster drills, crabs, rays and finfish.
- Habitat destruction in the form of erosion and sedimentation can also be a factor.



yster Seeding A Growing Industry



The Lifecycle Georgia Oyster



known as a "spat."

adult oyster shell), the larva cements itself and changes into the adult form. This newly attached oyster in

Attached to Shell