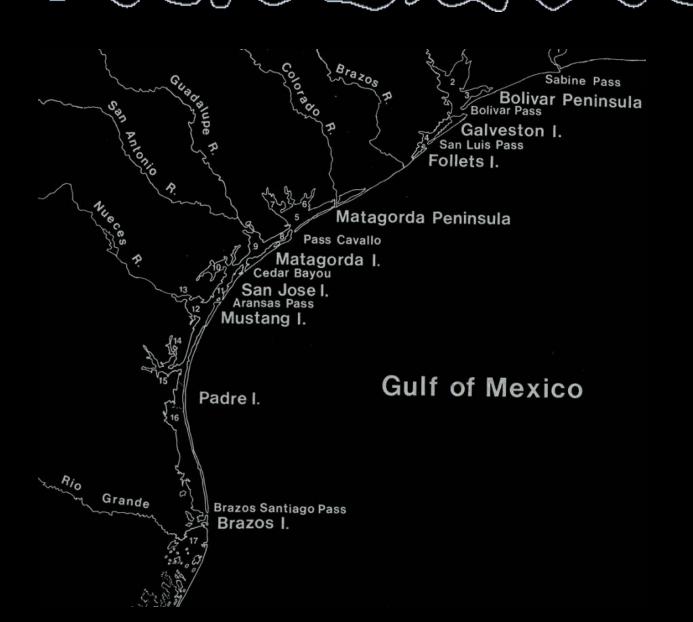
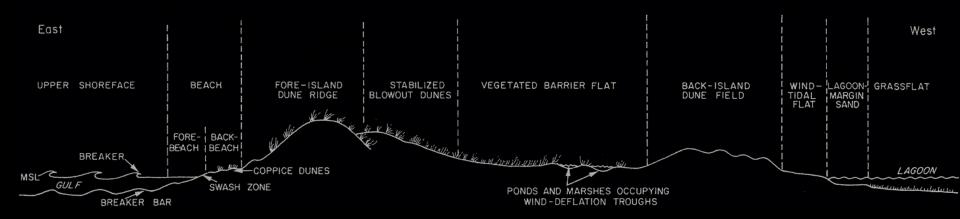


The Texas Barrier Island System



Barrier Island Profile



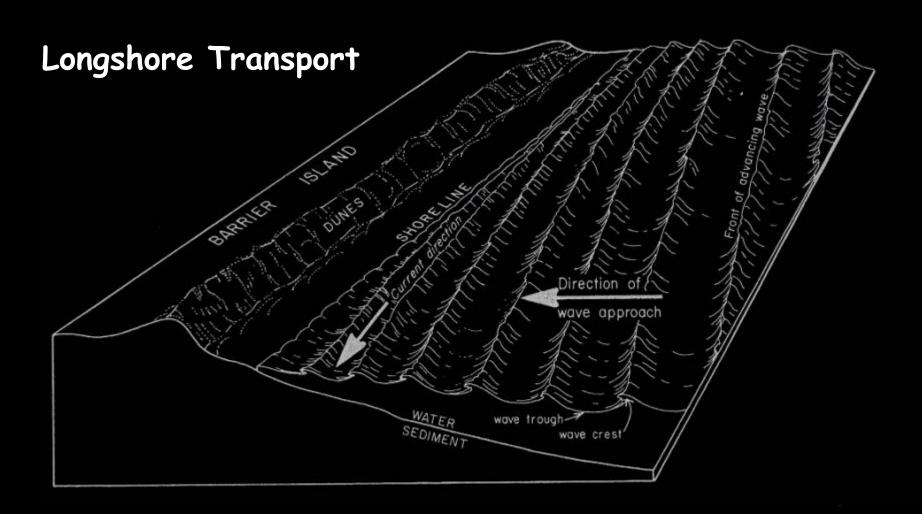






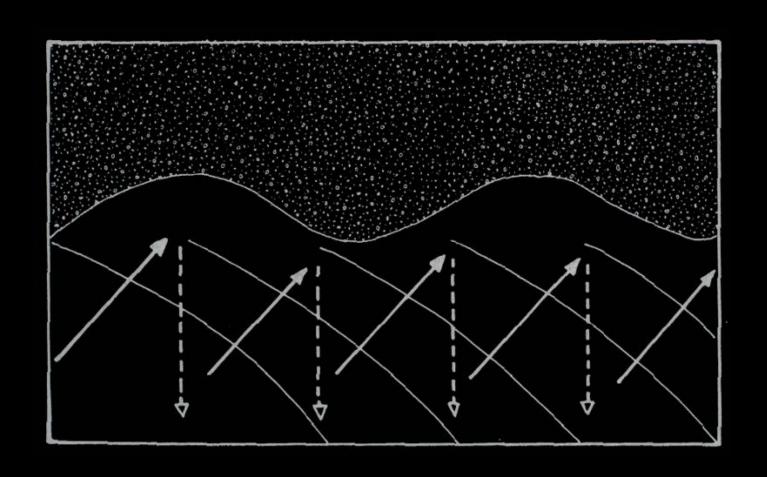


Sediment Dynamics of Gulf Beaches:

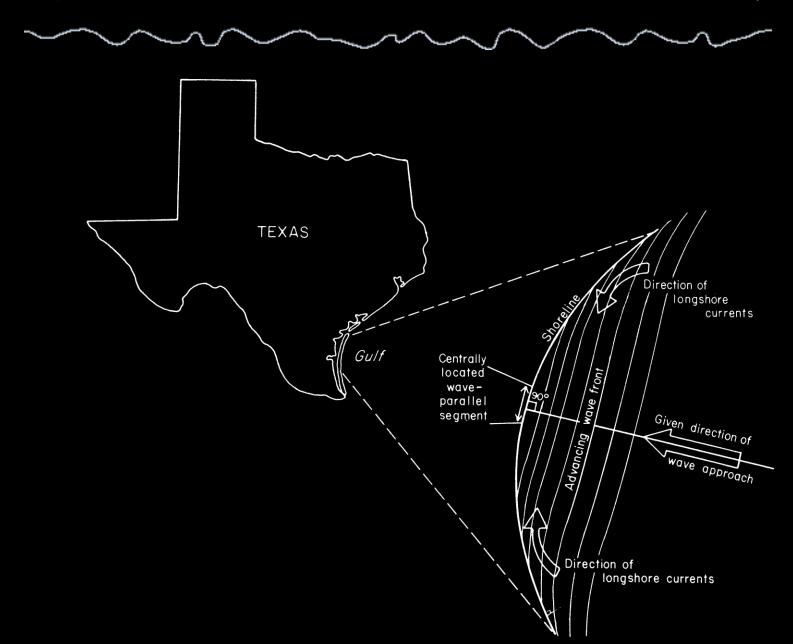


Longshore drift





Regional Patterns of Nearshore Sediment transport



Effects of man-made shoreline features





Beach community ecology:



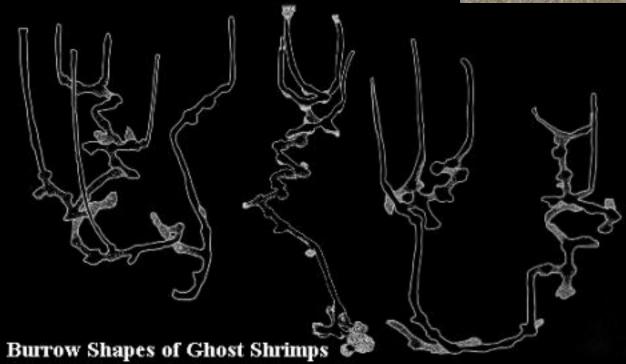
Donax variabilis and D. texasiana (coquina or surf clam)



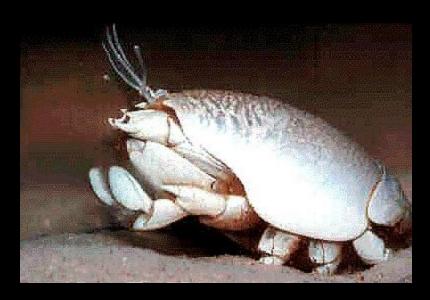
Callichirus (=Callianassa) islagrande: Ghost shrimp



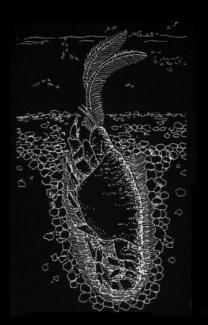




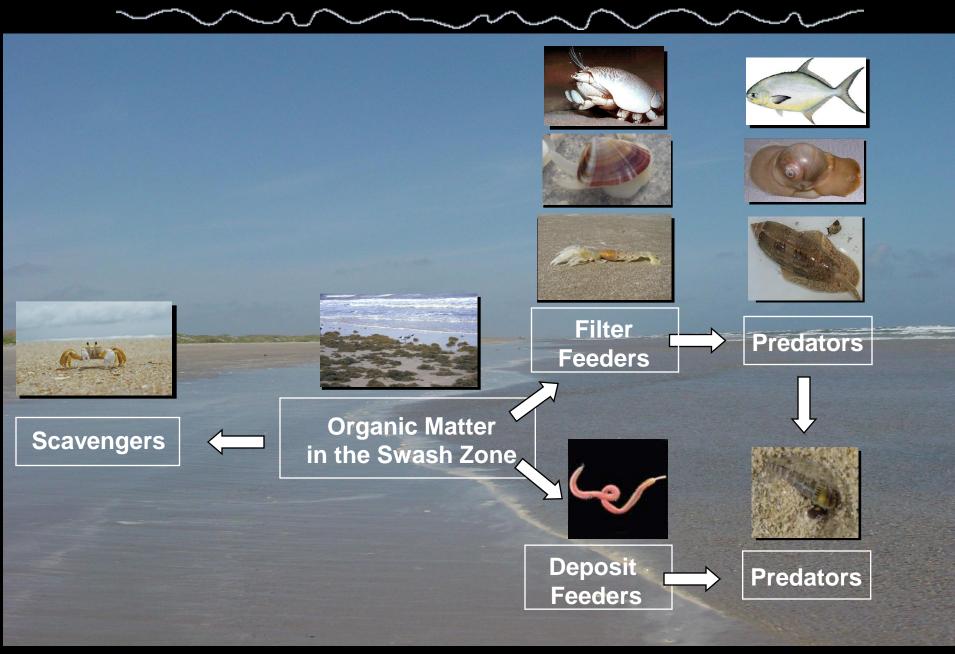
Emerita spp. : Mole Crabs







Beach Food Chains



The Strandline/Sargassum



Shipbreaking (Port of Brownsville)



Abandoned (?) Commercial Fishing Vessels

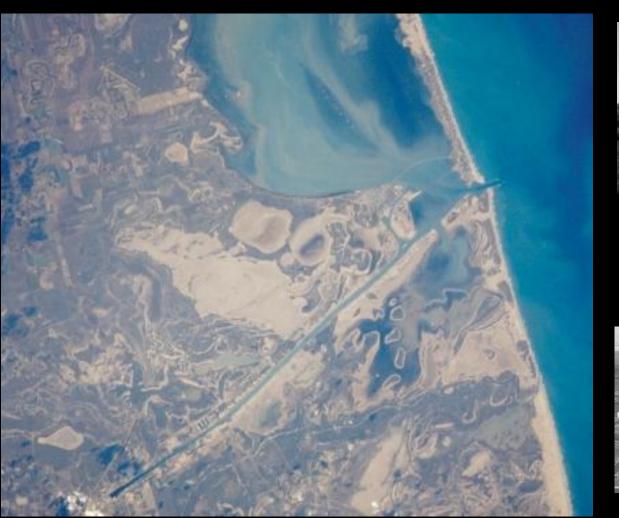


Seismic Testing / Oil & Gas Exploration



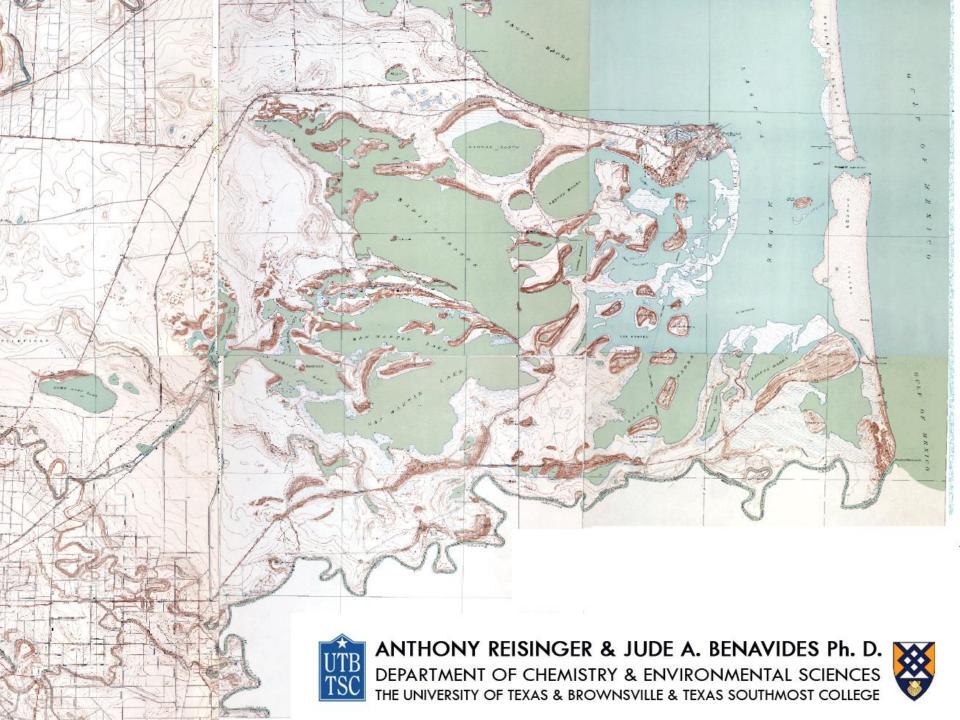
- 8,000 explosive charges are being set throughout the southern end of Laguna Madre
- 14,000 plus are scheduled for detonation on nearby refuge property and private land.
- Commissioner Jerry Patterson (TxGLO) presenting today at 4:30 pm

Area Restoration Projects









A New Beginning: Pilot Channel, July 16, 2005



Bahia Grande Today



UTB's Research Goals & Performance Criteria

• Biological Monitoring Program:

To provide the USFWS supplementary data for judging the ecological

successes of restoration efforts.

Biological Surveys

Benthic community (marine worms, clams, crustaceans)

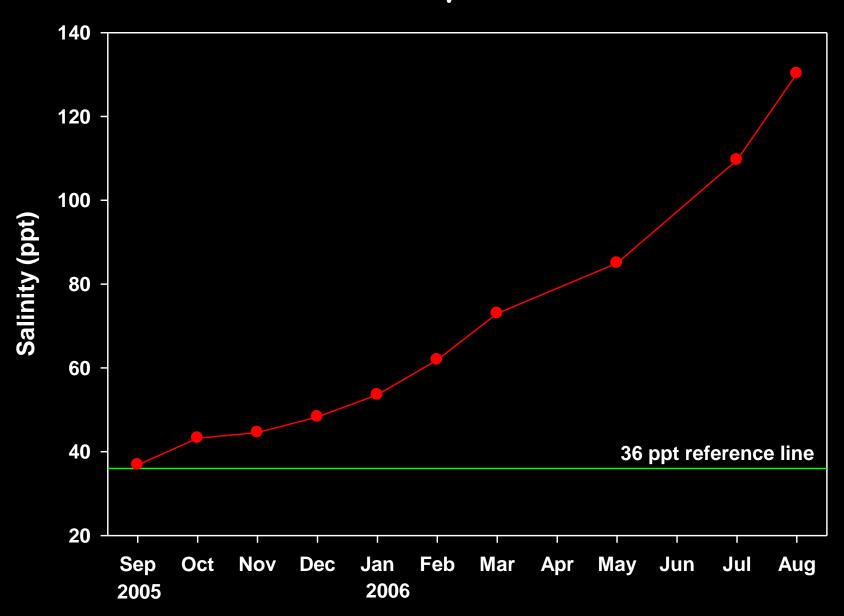
Nekton community (larval & adult fish)

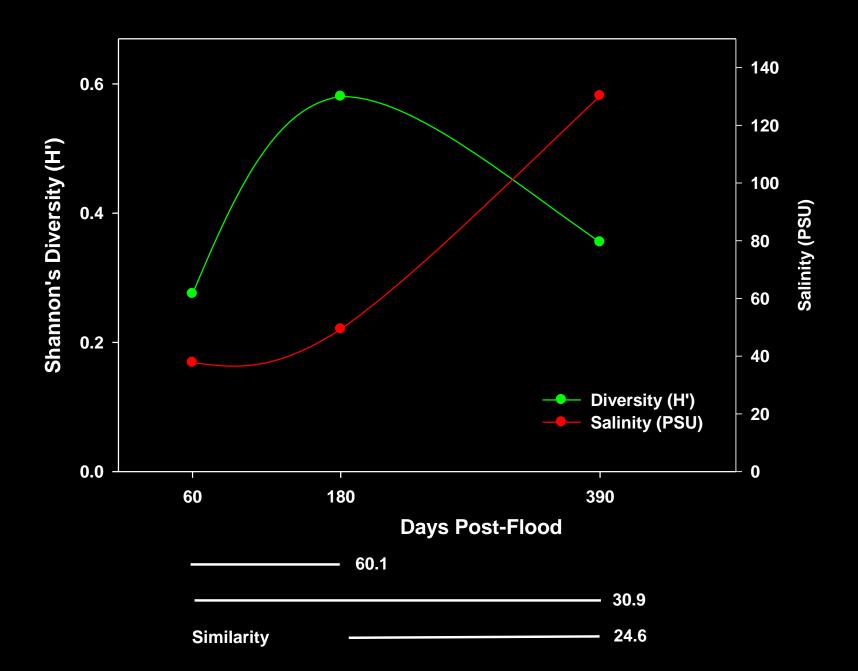
Water Quality Monitoring
DO, Salinity, pH, Temp., & Depth





Salinity Troubles





Questions?



