Mission:
The mission of the Galveston Bay Foundation is to preserve and enhance Galveston Bay as a healthy and productive place for generations to come.

Four target areas:
- Conservation
- Education
- Research
- Advocacy
GBF & Habitat Restoration

Actively restoring habitat since 1991

Diverse habitat types: wetland, sea grass, & reef

Large scale restoration

“Community based” habitat restoration
  o Volunteer-based: Marsh Mania planting events
  o Private Landowners: Living Shorelines Initiative
GBF & Living Shorelines

Provide assistance with:

- Project design
- Materials selection
- Permitting
- Construction
- Plant selection & installation
- Funding
Fun Facts:
Texas’ largest bay
Covers ~600 sq. miles
~445 miles of shoreline
Challenge I

Lack of In-house Knowledge

What have we gotten ourselves into?!?
Challenge II
Data Acquisition

- Near Shore Bathymetry
- Tidal Marsh Present Y/N
- Beach Present Y/N
- Shoreline Structures
- Riparian Land Use
- Bank Height
- Fetch
- Permanent Structures/Roads
- Navigable Canals
- Public Boat Ramps
- Tributary Designations (tidal creek, major tributary, bay front, etc.)
- SAV Present Y/N
- Oysters Present Y/N
Challenge II
Data Acquisition (cont.)

Environmental Sensitivity Index
National Wetlands Inventory
Texas National Resources Information Systems
Texas General Land Office

Texas Parks and Wildlife
Houston-Galveston Area Council
Harte Research Institute
Texas A&M at Galveston
Challenge III
We have the data, now what?

- Adapt data to our needs
- Incorporate local terminology
- Incorporate local knowledge
- Trust but verify
- Modify it for the model
BE PRODUCTIVE

AND STOP COMPLAINING ABOUT SUCKA S*%T
Conclusion

If we can do this, anyone can.