

# Regional Benefits of Native Grasses

## St. Augustine grass root depth



Invasive turf grasses such as St. Augustine and Bermuda have shallow roots and do not hold sediment from eroding into the waterways during major rain events. Houston's heavy clay soils prevent water from soaking into the ground quickly. Native grasses combat this effect by increasing the amount of water that can be absorbed into the ground with their deep root systems

Displaced sediment and silt on Buffalo Bayou from Hurricane Harvey



## Bermuda grass root depth



Non-native grasses can cause massive erosion

## Various Native Grass Root Depths

### HCFCF Regional Native Seed Mix (NSM)

- Harrison Germplasm Florida paspalum
- Coastal Plains Germplasm little bluestem
- Knotroot bristlegrass
- Cibola Germplasm little barley
- Nacogdoches Germplasm eastern gamagrass
- Oso Germplasm Hall's panicum
- Crockett Germplasm herbaceous mimosa
- Cajun Sunrise ashy sunflower
- Pineland Gold swamp sunflower

