





Gulf Savers® is an initiative of Restore the Earth Foundation Inc., a 501c3 not-for-profit, transforming concern for the earth into positive "boots on the ground" action that produces tangible results through collaborative partnerships.

- Transformative Projects
- Transformative Leaders
- Transformational Solutions



















Black mangrove/spartina - 8 months after planting

## Wetland Restoration & Marsh CREATION

. filling and deploying Gulf Saver® bags

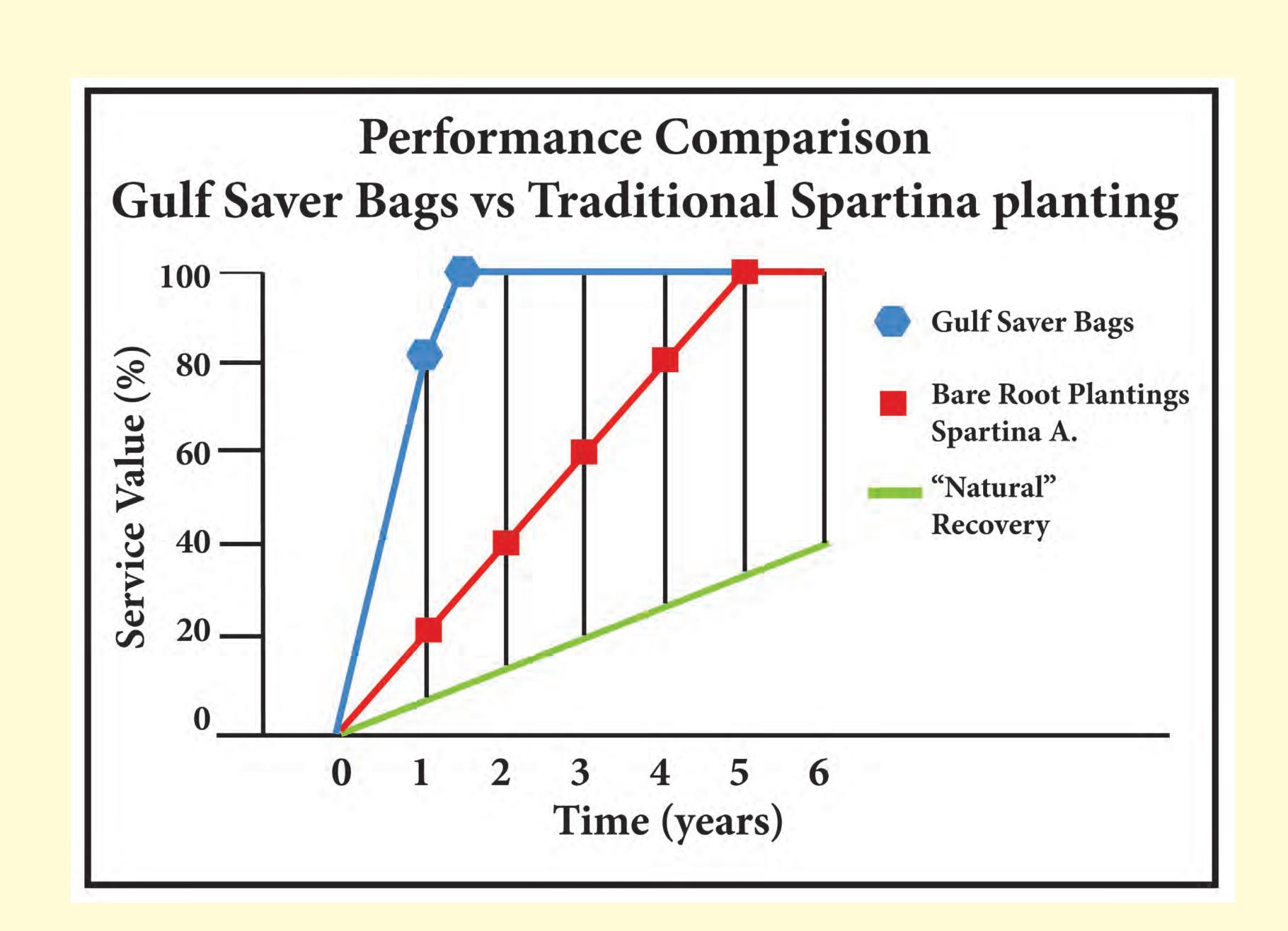
The Effectiveness of Using the Gulf Savers® Bag for Spartina alterniflora in Marsh Restoration at Popcorn Beach, Pass a Loutre WMA, Venice, Louisiana An Innovative Solution for Early Project Success!

Volunteers from across the nation lead the way..

The Gulf Saver Bag is a biodegradable, self contained package of native plants with its own site specific custom mixed supply of natural nutrients to support, feed, and protect the native vegetation. The bag is a stability kit that jump starts growth and survivability in the face of storm surge, wave action and rapid erosion, unlike traditional methods of planting plugs.

The Gulf Saver Bag, creates a supportive environment for accretion by slowing down water, allowing sediment to build, and adding nutrient rich biomass to the soil. Oil eating microbes can also be introduced to the custom mix for added protection against oil impacted sites.

100% in <2 years



Gulf Saver® bags Demonstration/Pilot at Pass a Loutre, WMA, Venice, Louisiana • BENEFIT / ANALYSIS Gulf Saver Bags vs Traditional Plug Planting with Spartina alterniflora and Black mangrove

## GULF SAVER BAGS MEASUREMENTS 5.0 meter centers/3 bag clusters - 507 bags/acre Spacing

Survivability 95% 1st year Anticipated Replanting 5% one time

Carbon Credit Value Achieved 1st year

Service Value

16+/acre **Estimated DSAYs** Estimated Cost Per DSAY \$1,000.00

Percent Coverage at 18 months 70-100% Vegetation Height at 18 months 90-150cm

# GULF SAVER™ BAG

## BARE ROOT PLUGS

0.7 meter centers -10,816 plugs/acre

50% 1st & 2nd year

50% year 1 / 50% year 2 (2x)

100% in 5-10 years

5th year 12+ /acre

\$3,154.00

50-75cm



Note: Site success has been at remote, vulnerable locations

- Stabilizes and accelerates native re-vegetation
- Remediates soil and organic matter
- Re-establishes wildlife habitat
- Replicable/scalable









An Innovative Combination Saving Louisiana Wetlands



