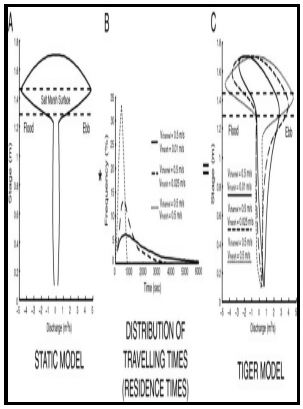
Nutrient transformations in Louisiana salt marsh soils

Center for Wetland Resources, Louisiana State University - Importance of Site History and Environmental Setting on Soil Properties in Restored Louisiana Back



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Nitrogen losses from a Louisiana Gulf Coast salt marsh

A few species of fish, like mullet, live there, and many species use the marsh as a refuge for their young. The accumulation of selected plant nutrients and heavy metals in a rapidly accreting Louisiana salt marsh was examined. Very little is retained in the coastal marshes.

Effect of crude oil on a Louisiana Spartina alterniflora salt marsh

The time required for mineralization of 1% of the tagged organic N increases progressively with succeeding cuttings of the S. The Army Corps estimates that every 2. The present chapter has highlighted the biodiversity of Indian Sundarban mangrove ecosystem with special emphasis on their ecosystem services.

The Louisiana Environment

Some of these carnivores also feed directly on the algae. Soils at the younger restored marsh were significantly more finely grained than soils at either the older restored marsh or the natural marsh.

The Louisiana Environment

Coastal parks have made great strides in restoring damaged wetlands and reclaiming their remarkable values for our coasts. Coastal marshes have also been severely damaged by extensive canals cut by the oil industry over the past several decades, during exploration and drilling for oil and natural gas. Using soil shear strength as a metric of soil integrity and resistance to erosion, this study utilized field surveys of one natural and two restored back-barrier island salt marshes in coastal Louisiana to examine differences in shear strength and other soil properties in relation to site history and environmental setting.

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