

# Partnering to Restore D'Olive Creek Watershed

D'Olive Stream Restoration Project



Gator Boardwalk Wetland Restoration



Well Road Constructed Wetlands



Tiawasee Creek Restoration

Native Plantings

## History

Since the 1970s, conversion of hundreds of acres of natural landscape to buildings, roads and parking lots in the D'Olive Creek Watershed has caused increased stormwater runoff, severe stream bank erosion and downstream sedimentation. Five streams – D'Olive Creek, Tiawasee Creek, Joe's Branch, and two unnamed tributaries – are so impaired by siltation, they have been placed on the State's 303(d) List for failing to meet standards for their designated use of Fish and Wildlife.

Traditionally, runoff has been piped downstream to stop erosion and local flooding. This approach transfers problems elsewhere and eliminates infiltration, groundwater recharge and any ecological services healthy streams and wetlands usually provide. In the D'Olive Creek Watershed, we have raised creek beds to connect the waters to the floodplain, used rocks and logs to slow the flow and relied on native plants and their roots to tie everything together.



Scan the Quick Response Code (QR) to watch the Partnering to Restore D'Olive Creek Watershed video.

## Partnerships

With *Deepwater Horizon* oil spill funding from the National Fish and Wildlife Foundation Gulf Environmental Benefit Fund, the Mobile Bay National Estuary Program partnered and leveraged funding with multiple entities to embark upon a multi-year, multi-million dollar watershed restoration.

Partnership goals included:

- Improve water quality
- Increase ecological conditions of streams and wetlands
- Decrease sediment loads flowing downstream into D'Olive and Mobile Bays
- Increase submerged aquatic vegetation in D'Olive and Mobile Bays

The implementation of these restoration projects is improving water quality and natural habitats throughout the D'Olive Creek Watershed. Together, we are creating a clean water future for generations to come...[www.cleanwaterfuture.com](http://www.cleanwaterfuture.com).

## D'Olive Creek Watershed



Stream Restoration Log Rollers

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