

Dysfunctional Stormwater Ponds

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University of Florida Natural Resources Leadership Institute Class X

Background



Community Layout

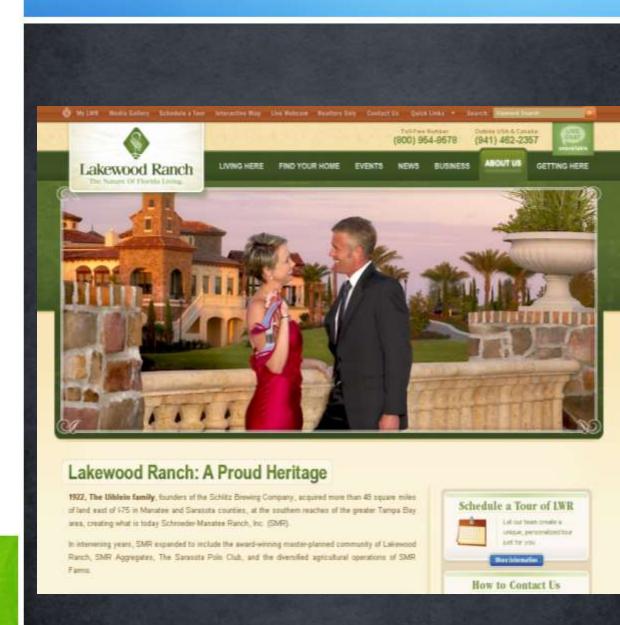


Lakewood Ranch (LWR) Stats

48 square miles of land in Manatee and Sarasota counties

Currently boasts more than **6,000** homes

SMR is building **4,422 homes** on 1,520 acres – Central Park – 40 foot lot lines



The Issue

Green Lawns are desired often demanded

Homeowners want blue water in the stormwater ponds

Too many inputs create poor water quality

How can we balance aesthetics with good water quality?





Homeowners like green lawns. Lot lines are reduced and everyone wants to live on a pond.





Blue Water

Markey Ma



Homeowners are sold LAKE front property that comes with an inflated price.



Homeowners do not like algae. Using Best Management Practices (BMPs) can help.

We know that inputs are creating poor water quality and algae

Fertilize Appropriately



Best Management Practice



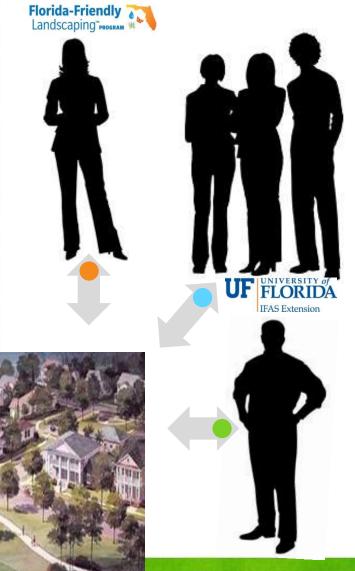
Add Aquatic Plants



Create a buffer zone.

The Team

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- Paul Monaghan, NRLI Class IX
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- Gail Hansen & Staff
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Community/Stakeholders

Objective

 To improve water quality in stormwater ponds which overflow into natural bodies of water

Stakeholders

- Homeowners
- Pond Maintenance Companies
- Landscape Maintenance Companies
- Water Management District
- Manatee County Government
- Estuary Programs
- Developer
- Builders

Focus Group #1 LWR
Jan 2011

Focus Group #1 Braden River March 2011

Focus Group #2 LWR April 2011

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Focus Group #2 Braden River April 2011

Goal 1: Identify barriers to BMPs and the motivators to overcome them with homeowners in established communities.

Lessons Learned

1.If it is there from the start homeowners accept it.

2.In studying two neighboring communities the motivators are completely different.

Next steps?

Goal 2: Develop a campaign based on the identified motivators to promote BMPs.

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Goal 3: Identify barriers to installing vegetation during construction and the motivators to overcome them.

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