

Killearn Estates Plantation Total Maximum Daily Load Study (TMDL) Water Quality Monitoring and Restoration, Leon County, FL

Lakes Killearney, Kanturk and Kinsail on the Alford Arm Tributary off Thomasville Road, Tallahassee (Brad Trotman, Executive Director, Killearn Estates homes Association)

TMDL quarterly monitoring, restoration plan and expert witness

Dates: 2007 – CURRENT

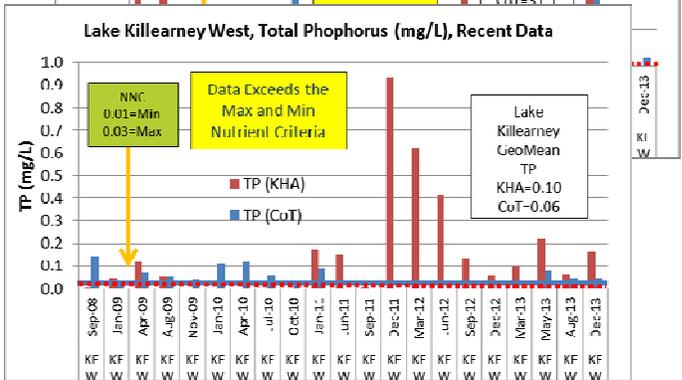
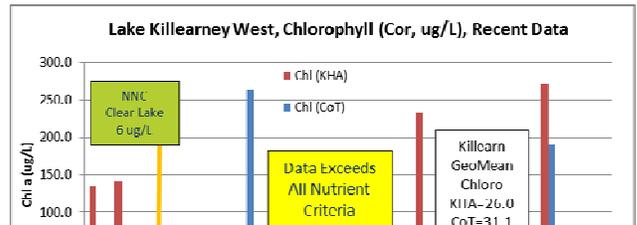


Key Project Personnel Involved in this Project:

S. McGlvnn. PhD. S. Rudd. BS. K. McGlvnn. BA. R. McGlvnn

Brief Description of Work Performed: This is a highly impacted urban Chain of Lakes in the center of the City of Tallahassee (CoT) just off Thomasville Road. This area was the original Quale Plantation where Herbert L. Stoddard, one of the most important southern conservationists of the twentieth century, developed a method of forest management in the longleaf-wiregrass habitat that is widely practiced today. Stoddard developed modern 'Wildlife Habitat Management' at Killearn Estates Plantation and went on to found Tall Timbers Research Station (TTRS), also on Thomasville Road, the birthplace of modern 'Fire Ecology.' Killearn Estates Plantation is an established residential community, current residents include a legendary football coach, Bobby Bowden and the distinguished Nobel Laureate, Sir Harry Kroto and well as 25,000 other souls.

A Chain-of-lakes slithers through the community which would be considered idyllic except that it has very poor quality, slimy green water monitored carefully by MLI. Two



of the lakes are listed as 'Impaired Waterbodies' within the TMDL program. Subsequent CoT monitoring

has reinforced our data showing that these lakes are 'verified impaired.' FDEP has issued a delay on the TMDL, twice, each for 18 months, so the CoT can do studies to figure out why these lakes are so polluted.

Meanwhile, we have devised a restoration plan that would cost ten million dollars. The community stormwater there was never permitted, the neighborhoods are full of swales that are not a part of the CoT stormwater system but are full of bacteria, phosphorus and nitrogen.