

**Pollutant Load Reduction Goal (PLRG)  
Analysis for the Wekiva River and  
Rock Springs Run** 



**Project Update**  
**12-15-05 Wekiva Commission**

**Background** 

- Wekiva Parkway and Protection Act of 2004
- SJRWMD: PLRGs by December 2005
- FDEP: TMDLs by 2006
- SJRWMD began PLRG analysis for the Wekiva River and Rock Springs Run in summer 2004
- Initial focus on nitrates and algae

**Diagnostic Work Completed** 

- Ecosystem metabolism study (Wetland Solutions)
- Algae surveys (GreenWater Labs)
- Literature review on nitrate toxicity to aquatic animals (staff)
- Analysis of coliform impairment (staff)
- Comparison to nutrient levels in less-impacted springs and streams (staff)
- Spring algae studies by others (staff)

**Accomplishments to Date** 

- Coliform impairment verified
- Nutrients of concern identified
  - Nitrate (toxicity and ecological effects)
  - Total Phosphorus (ecological effects)
- Nutrient concentration targets and PLRGs being defined; to be considered preliminary

**Legislative Report** 

- District compiling comprehensive report with results of diagnostic work and PLRG recommendations for the Wekiva River and Rock Springs Run
- Revised schedule: to be submitted by February 1, 2006
- The District will continue work to refine nutrient concentration targets and PLRGs

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