

**Effectiveness of Everglades Agricultural Area Best Management Practices for Total Nitrogen Reduction**

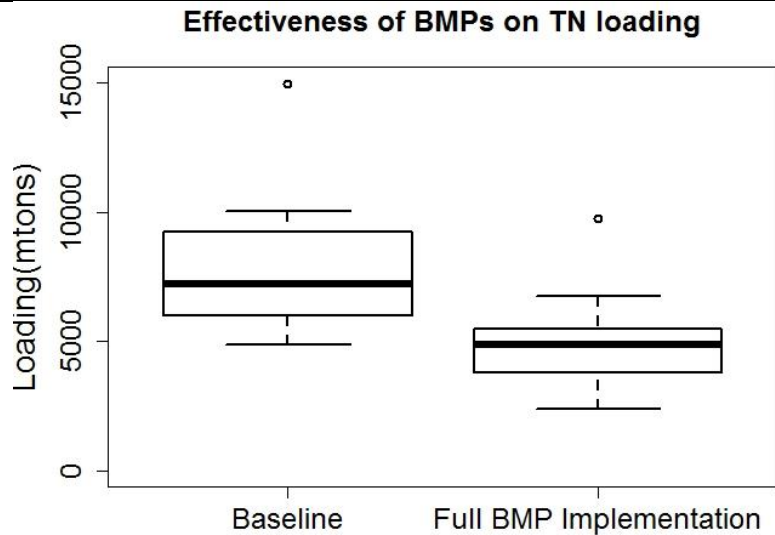
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Client: FDACS (through Federico, Lamb and Associates)

**Project Summary**

The Dept. of Agriculture and Consumer Services (FDACS), Office of Agricultural Water Policy, has established a strategic objective to confirm BMP effectiveness. The purpose of this contract was to analyze the effectiveness of EAA BMPs for Total Nitrogen (TN) load reductions.

The Everglades Forever Act mandates a 25% reduction in TP loading between what the Act defines as the “baseline period” (1980-1988) and the period of “full BMP implementation” (1996-2014). The analysis presented demonstrated that there has been a **40.4% reduction in TN loading** between these two time periods. Additionally, the water quality of the EAA discharge has been more consistent (less variable) after full application of BMPs.



**Innovative Approach**

Typical Best Management Practices for the EAA Basin consist of Nutrient Control Practices; Water Management Practices; Particulate Matter and Sediment Control; Pasture Management; and Other BMPs. Frydenborg EcoLogic demonstrated that the fundamental physical, chemical, and biological properties associated with these BMPs make them effective for both for TN and TP reductions.

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