

1985

University of Central Florida 1985 self study Southern Association of Colleges and Schools : Environmental Systems Engineering Institute self study report

University of Central Florida. Environmental Systems Engineering Institute

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UNIVERSITY OF CENTRAL FLORIDA

1985
Self Study

SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS

ENVIRONMENTAL SYSTEMS ENGINEERING INSTITUTE

SELF STUDY REPORT

ENVIRONMENTAL SYSTEMS ENGINEERING INSTITUTE

The Environmental Systems Engineering Institute has been in existence since Fall 1971 at the Department of Civil Engineering and Environmental Sciences, College of Engineering, University of Central Florida. It is charged with responsibility of actively pursuing research, education, and community service for improvement of environmental quality.

The Institute is active in public awareness programs through presentations to civic and technical groups and participation in community service projects. The Institute received one of the Walt Disney World Community Service Awards in 1976 for its efforts in "SEEK", Save the Earth's Environment through Knowledge. The Institute activities were enhanced by the support of the Gordon J. Barnett Professorship of Environmental Systems Management. Also, a yearly Environmental Protection Award is given to a local individual who demonstrates outstanding service to protect the environment.

New industries and commercial facilities are attracted to Central Florida and to our State. The technical challenges and social demands are increasing and have precipitated an urgent need for research in the areas of lake management and restoration, water and wastewater treatment, atmospheric pollution, solid-waste recycling and cost-effective resource utilization. The Environmental Systems Engineering Institute directs its efforts toward the applied portion of research to solve some of our community and state problems.

The director and faculty members representing different colleges on the UCF campus participate in research activities in the areas of lake restoration, water quality, stormwater runoff management, and effects of recreational motor boats on shallow lakes. All these projects are extremely helpful in identification of pollutional loads and development of corrective measures to prevent degradation of water quality in the local area and state-wide.

The financial resources are limited to the outside support for research activities and only some expense and OPS monies from the College of Engineering.