

## ACES Project Summary: Part 2 Performance Report

**Period Covered by the Report:** 12/31/01 – 12/31/02  
**Date of Report:** 12/31/02  
**EPA Agreement Number:** R21811-01-1  
**Title:** Investigation of the Use of Pulse Amplitude Modulated (PAM) Fluorometry as an Indicator of Submerged Aquatic Vegetation (SAV) Health in Mobile Bay  
**Investigators:** Dr. Timothy Sherman  
**Institution:** University of South Alabama  
**Research Category:** Small Grant for Exploratory Research

### Changes in Scope or Objectives:

NA

### Comparison of Completed to Projected Research Progress

Initial sampling has been completed. Additional laboratory and field uptake experiments are planned for the spring of 2003. Analyses will be completed during spring 2003.

### Report of Expenditures to Date

Item	Budget	Expenditure <sup>a</sup>	Remaining
Personnel	0	0	0
Fringe Benefits	0	0	0
Materials/Supplies	1,160	1,160	0
Equipment	13,340	13,340	0
Capital Expenses	0	0	0
<b>Total Direct</b>	<b>14500</b>	<b>14,500</b>	<b>0</b>
FA Cost	70	68	2
<b>Total Cost</b>	<b>14,570</b>	<b>14,570</b>	<b>0</b>

<sup>a</sup>Expenditures as of 12/31/02 reporting period.

Note: A no cost extension through June 2003 was granted.

### Publications/Presentations:

None at this time.