

Attachment F

FLORIDA DEPARTMENT OF COMMUNITY AFFAIRS
DIVISION OF EMERGENCY MANAGEMENT

QUARTERLY REPORT FORM

SUBGRANTEE: Florida International University

Project Number #: 1249-0079

PROJECT LOCATION: Windstorm Simulation & Modeling

DCA ID #: 01HM-4L-13-00-05-042

DISASTER NUMBER: FEMA-DR—1249-FL

QUARTER ENDING: July 1, 2003

Percentage of Work Completed (may be confirmed by state inspectors):

59.0 %

Project Proceeding on Schedule: Yes No

Describe milestones achieved during this quarter:

Data acquisition for Manatee County was completed during the Spring 2003. The processing of the Miami-Dade County airborne laser data continues. The evaluation of storm surge models is on-going and includes: SLOSH, ADCIRC, EFDC/HEM3D, and UnTRIM. Algorithms are continuously being improved to automatically extract non-ground features from the LIDAR data. This feature will greatly benefit research for an animated storm surge environment. Techniques of fluid dynamics have been implemented to build more accurate flood interaction with the environment including the natural terrain, coastal waters and inlets introducing water to the terrain, rainfall, and coastal erosion. A "fly-to-address" feature has also been created to let users know what is happening at a specific address when a hurricane landfall is being simulated.

Provide a schedule for the remainder of work to project completion:

This is a three-year project. Data acquisition for gaps in Manatee County and Miami-Dade County data sets will be performed during Summer and Fall 2003. A project web page will be developed and posted for public outreach and education. The evaluation of storm surge models and the computer visualization and simulation of hurricane storm surges will continue into the third year. Final reports will be provided to all participating counties.

Describe problems or circumstances affecting completion date, milestones, scope of work, and cost:

In addition to problems securing matching funds as a result of 9/11 and county bureaucratic delays, the laser also faced unexpected repairs and detainment by customs during Spring 2003 resulting in an additional four-month delay in data acquisition. Also the IHC recently became aware of a new high-resolution storm surge model (UnTRIM, Trento University, Italy) that was just made available. More time is needed to research this model in greater detail.

Cost Status: Cost Unchanged Under Budget Over Budget

Additional Comments/Elaboration:

The IHC requested a no cost extension of six months (until 09/30/04) for the project on December 6, 2002 and March 26, 2002. On June 26, 2003 the IHC's DCA contact indicated that a final request should be made six months prior to the projects completion date.

NOTE: Department of Community Affairs (DCA) staff may perform interim inspections and/or audits at any time. Events may occur between quarterly reports which have significant impact upon your project(s), such as anticipated overruns, changes in scope of work, etc. Please contact DCA as soon as these conditions become known, otherwise you may be found non-compliant with your subgrant award.

Name and Phone Number of Person Completing This Form: Carolyn Anderson (305) 348- 6057