

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, 2002

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

45.0 %

Project Proceeding on Schedule:  Yes  No

Describe milestones achieved during this quarter:

A progress report, complete LIDAR data set, and final invoice were delivered to Palm Beach County. During this quarter, concentration was placed on flooding effects that follow terrain gradients, including variable flood velocities. Improvements in water, building, and vegetation animation have been achieved. The simulation of waves and variable height flooding sources has also been accomplished. In this development cycle, we further improved the morphology filter for terrain, vegetation, and building detection, based on the LIDAR data. Both qualitative and quantitative accuracy analysis were conducted to examine the effectiveness of the filter.

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

This is a three-year project. Broward County reports and data sets will be delivered in July 2002. A LIDAR workshop will be held during August 2002 where the participating counties can learn how to store, use, and disseminate the LIDAR data and also learn how to integrate the data into existing storm surge models. Upon reaching a contract agreement, data acquisition for Miami-Dade and Martin Counties will be performed during Fall 2002. The computer visualization and simulation of hurricane storm surges will continue into the second year. During the third year, completion of final reports to all participating counties will be provided.

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

There are no problems at this time.

Cost Status:  Cost Unchanged  Under Budget  Over Budget

Additional Comments/Elaboration:

There are no comments at this time.

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- 1607