

## IAA QUARTERLY REPORT

**U.S.G. Agency:** Department of Commerce  
**Country:** Honduras  
**Report Period:** October 1 – December 31, 2001  
**Agency Lead:** Curtis Barrett

The following discusses Department of Commerce (DOC) activities and accomplishments for the referenced reporting period. The report is organized by county and further broken down by the problem areas identified in the DOC Implementation Plan (*U.S. Department of Commerce's Implementation Plan for Reconstruction Work in Central America*, July 1999). In addition, Result Indicators in this report are the Intermediate Results (IRs) referenced in the Office of Management and Budget (OMB) Hurricane Mitch Reconstruction Program Tracking System for the Department of Commerce and the Performance Indicators referenced in the DOC Implementation Plan. Where applicable, Mission SpO indicators are provided for reference.

### **A. DOC Problem Area: Base Infrastructure Reconstruction**

Problem Area Objectives:

- Provide a foundation for ongoing reconstruction efforts
- Reconstruct and improve weather forecast and early warning networks
- Promote safe and efficient air and marine transportation
- Provide for a geo-spatial data and water level reference framework
- Ensure that capacity exists to maintain and expand new base infrastructure

### **B. DOC Activities:**

- Reconstruct and improve geodetic networks
- Reconstruct and improve hydrometeorological data collection networks
- Reconstruct and improve tide stations

**C. Results/Impact Indicators**

*OMB Intermediate Result*

IR-1: The restoration and development of base geodetic and environmental monitoring infrastructure in Honduras, Nicaragua, Guatemala, and El Salvador

<b>DOC Measures of Progress (Ref: DOC Implementation Plan)</b>	<b>Intermediate Result</b>	<b>Accomplished Previous Reporting Periods</b>	<b>Accomplished This Reporting Period</b>
Reconstruct and Improve Geodetic Networks	<p>IR-1.1 Number of continuously operating reference stations (CORS) that are installed</p> <p>IR-1.2 “Train the trainer” sessions held for US private contractors and US and Central America academic institutions</p> <p>IR-1.3 The number of first, Second, third order benchmarks That are installed</p> <p>IR-1.4 Training sessions held for In-country government agencies Responsible for surveys</p>		

Reconstruct and Improve Hydrometeorological Data Collection Platform/Telecommunications Networks	IR-1.5 The number of data collection platforms (DCPs) that are installed	N/A	N/A
	IR-1.6 The percentage of telecommunications network installed	N/A	N/A
	IR-1.7 The number of connections to other sensors, such as tide gauges, that are established	N/A	N/A
Reconstruct and Improve Tide Gauge Stations	IR-1.8 The number of tide stations installed	One - Puerto Cortes	
	IR-1.9 Training sessions held for in-country government agencies responsible for operating water level stations, assuring data quality, and providing sea level data.	<ul style="list-style-type: none"> <li>- Training during installation at Puerto Cortes</li> <li>- First Regional Technical Training Workshop.</li> </ul>	<ul style="list-style-type: none"> <li>- Second Regional Technical Training Workshop.</li> </ul>

**Honduran Mission Intermediate Results Framework:**

Mission Intermediate Result	NOAA Activity		
	Geodetic Networks	Hydromet Networks	Tide Stations
IR 1.1 Agriculture			
IR 1.2 Land Title			
IR 1.3 Infrastructure			
IR 3.1 Environmental Management			
IR 3.2 Preparedness			

Note: Matrix cells marked “” indicate direct support for the mission IR. Matrix cells marked “” indicate a supporting relationship. Blank cells indicate no relationship. In no case does a NOAA activity conflict or interfere with a mission IR.

## **Narrative Report**

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- Installation of GOES Satellite Receive Station
- Regional Technical Workshop
- RONMAC Steering Committee
- Preparation of RONMAC paper
- Paper presented on Sea Level Monitoring Systems in Mexico
- Preliminary Tidal Datums and Harmonic Analyses Computed by CO-OPS
- Troubleshooting

#### Installation of GOES Satellite Receive Station

In October 2001, the GOES Satellite Receive Station was installed at the LABCODAT (Heredia, Costa Rica). The receive site and archiving are now functional. The data stream is expected to be accessible on the Internet during the first quarter of 2002.

#### Regional Technical Workshop

RONMAC Staff and a representative of Vitel (the equipment manufacturer) conducted a technical workshop for national agency technicians in Heredia, Costa Rica. Representatives from all RONMAC national counterpart agencies took part. (see attached documentation)

#### RONMAC Steering Committee

The Second RONMAC Steering Committee was conducted. Status report and future plans were discussed during the meeting. (see attached report)

#### Preparation of RONMAC paper

A paper about the RONMAC Project was prepared and sent to ITZU meeting that took place in Cartagena, Colombia.

#### Paper presented on Sea Level Monitoring Systems in Mexico

Paper and speech preparation were prepared for an invitation to a workshop on tide gauges and sea level monitoring systems given in Puerto Vallarta, México.

#### Preliminary Tidal Datums and Harmonic Analyses Computed by CO-OPS

A 365 day harmonic analysis (based on nine months of data) was determined for the water level station at Puerto Cortes. Preliminary tidal datums based on two months of data are also available. All usable data through November 2001 has been processed.

#### Troubleshooting

The RONMAC Technical Coordinator and Assistant Technical Coordinator performed on-going troubleshooting activities for all of the stations. They were available to address questions and problems presented by the counterpart institutions and NOAA staff.

#### *Constraints and Problems*

#### *Implementation and Effectiveness of Environmental/Disaster Mitigation Measures*

### **E. Success stories/Vignettes**