

H111246

NOAA FORM 76-35A
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

VERTICAL AND HORIZONTAL CONTROL REPORT

Type of Survey: Hydrographic Multibeam & 200% Sidescan

Project No. : OPR-K379-KR

Registry Nos. : H11061, H11087, H11175, H11176, H11177, H11244,
H11245, H11246

LOCALITY

State: Texas

General Locality: Gulf of Mexico

2007

CHIEF OF PARTY

Joseph Burke

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DATE: _____

NOAA FORM 77-28
(11-72)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

REGISTRY NUMBERS:
H11061 H11087 H11175
H11176 H11177 H11244
H11245 H11246

**VERTICAL AND HORIZONTAL CONTROL
REPORT TITLE SHEET**

State: Texas
General Locality: Gulf of Mexico
Project Number: OPR-K379-KR
Vessels: M/V Moana Wave, R/V Emma McCall, and R/V Brooks McCall
Chiefs of Party: Jennifer Peacock, Lynn Samuel, Joseph Burke

	Survey Dates	Vessel	SOW Date	Party Chief
H11061	07/2001 - 10/2001	Moana Wave	Aug-01	Peacock
H11087	10/2001 - 01/2002	Moana Wave	Aug-01	Peacock
H11175	01/2003 - 06/2003	Moana Wave	Aug-01	Peacock
H11176	06/2003 - 08/2003	Moana Wave	Aug-01	Peacock
H11177	08/2003 - 07/2004	Moana Wave Emma McCall	Aug-01	Peacock
H11244	07/2004 - 07/2005	Emma McCall	Feb-04	Samuel
H11245	09/2004 - 08/2005	Emma McCall Moana Wave	Feb-04	Samuel
H11246	06/2005 - 09/2006	Moana Wave Brooks McCall	Feb-04	Burke

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A. Vertical Control

C&C Technologies did not establish any additional tidal gauges in the field during the collection of the survey data associated with this project.

All vertical tidal correctors applied to data collected during this survey were taken from the NOAA CO-OPS website. The website existed in various locations during the time period that this survey was conducted, and no record was kept of the different Internet addresses.

All data was collected in UTC time.

Vertical correctors were applied to all accepted bathymetric data within Hydromap, a proprietary C&C Technologies multibeam processing software.

No unusual tidal events were noted during this survey, and no alterations to the NOAA provided tidal zoning was required.

No benchmark surveys were conducted by C&C Technologies in support of this survey.

B. Horizontal Control

No horizontal control field stations were established by C&C Technologies in support of this survey.

Multiple DGPS receivers collected horizontal positioning throughout the survey on all ships used during the collection of this survey. Following the collection of every survey line, navigation statistics comparing the position of these multiple antennas were analyzed. Any apparent error in position resulted in a rerun of the line.

LETTER OF APPROVAL

Vertical and Horizontal Control Report

OPR-K379-KR

This report is respectfully submitted.

Field operations contributing to the accomplishment of this survey were conducted under my direct supervision between the dates of June 2005 – March 2007 with frequent personal checks of progress and adequacy. This report has been closely reviewed and is considered complete and adequate as per the Statement of Work.

Joseph Burke
Chief of Party
C&C Technologies
March 2007