



PROJECT: Hurricane Ivan, 1549 DR - ALABAMA, 1550 DR - Mississippi CHWMs
CONTENTS: Individual Historical High Water Mark Survey Report
TYPE: High Water Mark Survey
COMM. NO. 225205 **PREL.** 11/10/2004 **FINAL** 12/23/2004 **SHEET** Harr-5

| | | | |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------|
| HWM ID | Unit4_5 | Type of Mark: | Duct tape |
| Name of Storm Event: | Ivan | Date of Flood Event: | 9/16/2004 |
| Stream Name/Flood Source: | Mississippi Sound/Gulf of Mexico | Quality of Mark: | Poor |
| Survey Elevation (NAVD 88): | 4.7 ft NGVD 29: 4.8 ft | HWM Object: | Top of bulkhead (water actually below bulkhead, but unsure how far below) |
| Flooding Type: | Coastal surge | | |
| HWM Address: | 679 Beach Blvd. (Biloxi small craft harbor) | | |
| Location of HWM Object | NE corner of bulkhead around parking lot in front of chamber of Commerce Building/Harbor Master's office/Biloxi Port Commission office building. | | |
| HWM Type: | Eyewitness of water level being below bulkhead | | |
| Closest Municipality: | Biloxi | County | Harrison State: MS |
| Name of Flagger/Interviewer: | Westcott | Flagger Company: | Dewberry |
| Date of Flagging/Interview: | 9/30/2004 | | |
| Survey Crew: | Dick Davis | Survey Company: | PBS & J |
| Survey Date: | 11/10/2004 | | |
| Survey Projection: | State Plane Mississippi East | Vertical Datum: | NAVD 88 Horizontal Datum NAD 83 |
| | | Easting (Meters): | 198942.881 Easting (feet): 652698.4364 |
| Survey Latitude: | 30.39217 | Northing (Meters): | 99362.306 Northing (feet): 325991.1669 |
| Survey Longitude: | 88.88489 | Approx. First Floor Elevation: | 10.0 ft |

Comment

According to the Harbor Master, the water did not exceed the concrete bulkhead surrounding the Biloxi Harbor parking lot. No waves were noticed in the harbor.



Unit4_5.jpg

Survey Certification: Coastal High Water Mark Location survey is certified to 0.25 feet vertically and 10 feet horizontally with a 95% accuracy level.

Roswell Andrew Hathaway, Professional Land Surveyor, State of Mississippi
 Registration Number: 02417
 5665 New Northside Drive Suite 400, Atlanta GA. 30328 PH. 770 933-0280 Ext. 2430

PROJECT: Hurricane Ivan, 1549 DR - ALABAMA, 1550 DR - Mississippi CHWMs