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HURRICANE FLORENCE FINAL REPORT
NATIONAL WEATHER SERVICE MOBILE AL
200 PM CDT THU SEP 15 1988

THE FOLLOWING IS THE FINAL REPORT ON THE EFFECTS OF HURRICANE
FLORENCE ON THE COUNTY WARNING AREA OF WSO MOBILE...

A...HIGHEST SUSTAINED WIND AT THE WSO WAS NORTHEAST 23 KNOTS AT
09/2352Z. THE PEAK GUST WAS SOUTHEAST 31 KNOTS AT 09/0851Z.
AT THE DAUPHIN ISLAND SEA LAB HIGHEST SUSTAINED WIND NORTHEAST 35
KNOTS AT 10/0012Z. PEAK GUST NORTHEAST 42 KNOTS AT 10/0012Z.
PEAK GUST AT MOBILE EOC WAS 24 KNOTS AT 10/0022Z. PEAK GUST AT
BALDWIN EOC WAS 30 KNOTS AT 09/2000Z. PEAK GUST AT JACKSON EOC
WAS 24 KNOTS. THE HIGHEST SUSTAINED WIND AT KEESLER AFB WAS 15
KNOTS BETWEEN 10/02Z AND 10/05Z. THE PEAK GUST AT KEESLER AFB WAS
27 KNOTS FROM DIRECTION 050 AT 10/0003Z. PEAK GUST AT HARRISON EOC
WAS 30 KNOTS AT 10/0700Z. THE HIGHEST WINDS IN HANCOCK COUNTY WERE
ESTIMATED AT 43 TO 52 KNOTS AT 10/0900-1100Z.

B...LOWEST SEA LEVEL PRESSURE AT THE WSO WAS 1008.8 MB AT 10/0043Z.
LOWEST PRESSURE AT THE DAUPHIN ISLAND SEA LAB WAS 1008.1 MB WHICH
OCCURRED OVER TWO PERIODS...09/2230-10/0030Z AND 10/0400-10/0800Z.
LOWEST PRESSURE AT JACKSON EOC WAS 1005.8 MB (UNPORTED BAROGRAPH)
AND WAS 1005.8 MB AT HARRISON EOC BETWEEN 10/0700-10/0800Z. THE
LOWEST PRESSURE AT KEESLER AFB WAS 1005.8 MB BETWEEN 10/05Z AND
10/06Z

C...RAINFALL TOTALS WERE

MOBILE WSO...HIGHEST 1 HOUR.....59 INCHES 09/23Z-10/00Z
 HIGHEST 6 HOUR.....1.91 INCHES 09/23Z-10/05Z
 HIGHEST 12 HOUR.....2.88 INCHES 09/18Z-10/12Z
 HIGHEST 24 HOUR.....2.88 INCHES 09/18Z-10/18Z.

THE FOLLOWING ARE STORM TOTALS...

MOBILE EOC 3.34 INCHES.
FAIRHOPE (BALDWIN EOC) 3.50 INCHES.
FAIRHOPE WATERWORKS 4.55 INCHES.
FAIRHOPE CITY BARN 4.20 INCHES.
PT. CLEAR 3.98 INCHES.
PASCAGOULA 1.25 INCHES.
HARRISON COUNTY EOC (GULFPORT) 2.50 INCHES.
KEESLER AFB 1.71 INCHES.
HANCOCK EOC 5.20 INCHES.

D...STORM TIDES...

WATER WAS TO THE TOP OF THE SEA WALL AT GULF SHORES.
HIGHEST TIDE AT THE STATE DOCKS IN MOBILE WAS 2 FEET ABOVE NORMAL.
HIGHEST TIDE IN JACKSON COUNTY WAS 3 FEET.

HIGHEST TIDE ALONG MISSISSIPPI COAST WAS 5.1 FEET AT PASS CHRISTIAN HARBOR.

E...BEACH EROSION...

BEACH EROSION NEGLIGIBLE AT GULF SHORES...DAUPHIN ISLAND...AND IN JACKSON AND HARRISON COUNTIES IN MISSISSIPPI. CONSIDERABLE BEACH EROSION IN HANCOCK COUNTY MISSISSIPPI.

F...BALDWIN COUNTY EMA REPORTED TWO DIRT ROADS FLOODED FOR A SHORT TIME. PARTS OF FT. MORGAN ROAD WAS FLOODED. WATER WAS STILL OVER PARTS OF FT. MORGAN ROAD AS LATE AS THE AFTERNOON OF SATURDAY SEPT 10. NO FLOODING IN MOBILE COUNTY OR JACKSON COUNTY MISSISSIPPI. A COUPLE OF DIRT ROADS WERE FLOODED IN HARRISON COUNTY. HANCOCK COUNTY REPORTED STREET FLOODING AND FLOODING OF LOW LYING AREAS. THE WORST FLOODING WAS ALONG SHORELINE PARK NEAR THE JORDAN RIVER.

G...NO TORNADOES REPORTED IN COUNTY WARNING AREA. SEVERAL REPORTS OF FUNNEL CLOUDS AND TORNADOES WERE RECEIVED FROM BALDWIN COUNTY.

H...ONE 32 YEAR OLD MAN DIED AS AN INDIRECT RESULT OF FLORENCE. HE WAS HELPING HIS BOSS SECURE HIS BOAT AT ORANGE BEACH WHEN HE FELL INTO THE WATER AND DROWNED. THIS HAPPENED AT ABOUT 3 PM ON FRIDAY SEPTEMBER 9TH.

NO APPRECIABLE DAMAGE OCCURRED IN THE WARNING AREA.

EVACUATIONS FOLLOW...

BALDWIN COUNTY...450 IN SHELTERS AND AN ESTIMATED 3000 TO OTHER POINTS.

MOBILE COUNTY...1275 IN SHELTERS AND AN ESTIMATED 3500 TO OTHER POINTS. MOTELS WERE REPORTED FULL AS FAR NORTH AS MONTGOMERY.

JACKSON COUNTY...2100 IN SHELTERS AND AN ESTIMATED 4000-5000 TO OTHER POINTS.

HARRISON COUNTY..2200 IN SHELTERS. AN ESTIMATED 23,000 TO OTHER POINTS. 13,000 OF THE PEOPLE WJERE MILITARY PERSONNEL THAT ARE REQUIRED TO EVACUATE. 9000 TO 10,000 TO POINTS NORTH.

HANCOCK COUNTY...500 IN SHELTERS AND AN ESTIMATED 2000-3000 TO OTHER POINTS.