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ACUS72 KCHS 291449 AAA

PSHCHS

POST TROPICAL CYCLONE REPORT...HURRICANE MATTHEW

NATIONAL WEATHER SERVICE CHARLESTON SC

1044 AM EDT SAT OCT 29 2016

NOTE: THE DATA SHOWN HERE ARE PRELIMINARY....AND SUBJECT TO UPDATES
AND CORRECTIONS AS APPROPRIATE.

THIS REPORT INCLUDES EVENTS OCCURRING WHEN WATCHES AND/OR WARNINGS
WERE IN EFFECT...OR WHEN SIGNIFICANT FLOODING ASSOCIATED WITH MATTHEW
OR ITS REMNANTS WAS AFFECTING THE AREA.

COUNTIES INCLUDED...CHARLESTON...BERKELEY...DORCHESTER...COLLETON...
BEAUFORT...JASPER...HAMPTON...ALLENDALE...CHATHAM...EFFINGHAM...
SCREVEN...JENKINS...BULLOCH...BRYAN...LIBERTY...EVANS...CANDLER...
TATTNALL...LONG...MCINTOSH

A. LOWEST SEA LEVEL PRESSURE/MAXIMUM SUSTAINED WINDS AND PEAK GUSTS

METAR OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IS 10 METERS AND WIND AVERAGING IS 2 MINUTES

LOCATION	ID	MIN	DATE/	MAX	DATE/	PEAK	DATE/
LAT	LON	PRES	TIME	SUST	TIME	GUST	TIME

DEG	DECIMAL	(MB)	(UTC)	(KT)	(UTC)	(KT)	(UTC)

KCHS-CHARLESTON INTL AIRPORT-SC							
32.90	-80.04	981.7	08/1316	330/042	08/1655	330/060	08/1654
KSAV-SAVANNAH INTL AIRPORT-GA							
32.13	-81.20	983.1	08/0750	330/043	08/0834	340/062	08/0834
KNBC-BEAUFORT MARINE CORPS AIR STATION-SC							
32.49	-80.70	980.6	08/0456	030/040	08/0845	340/062	08/1219
KSVN-HUNTER ARMY AIR FIELD-GA							
32.01	-81.13			320/046	08/0958	320/059	08/0958
KLHW-FORT STEWART-GA							
31.89	-81.56			360/026	07/2358 I	360/040	08/0058 I
KJYL-PLANTATION AIRPARK-SYLVANIA-GA							
32.66	-81.60			010/030	08/0830 I	010/045	08/0715 I
KHXD-HILTON HEAD AIRPORT-SC							
32.23	-80.69			010/053	08/0855 I	310/076	08/1050 I
KARW-BEAUFORT COUNTY AIRPORT-SC							
32.41	-80.63			050/045	08/0835 I	050/060	08/0815 I
KLRO-MOUNT PLEASANT REGIONAL AIRPORT-SC							
32.90	-79.78			310/037	08/1435 I	310/048	08/1435 I
KDYB-SUMMERVILLE-SC							
33.06	-80.28			350/027	08/1255 I	030/032	08/0155 I
KMKS-MONCKS CORNER-SC							

33.19 -80.04 060/023 08/0555 I 060/038 08/0555 I

KRBW-LOWCOUNTRY REGIONAL AIRPORT-WALTERBORO-SC

32.93 -80.64 350/029 08/1135 I 350/043 08/1155 I

KTBR-STATESBORO-GA

32.49 -81.74 010/030 08/0315 I 010/043 08/0415 I

KCWV-CLAXTON-GA

32.20 -81.88 330/028 08/0355 I 330/049 08/0355 I

KJZI-CHARLESTON EXECUTIVE AIRPORT-JOHNS ISLAND-SC

32.70 -80.01 050/032 08/0335 I 060/050 08/0415 I

KAQX-ALLENDALE COUNTY AIRPORT-ALLENDALE-SC

32.99 -81.27 360/031 08/0915 I 360/047 08/0615 I

REMARKS: MOST ASOS/AWOS STATIONS LOST POWER DURING THE EVENT AND MAY HAVE MISSED THE HIGHEST WINDS AND LOWEST PRESSURES

NON-METAR OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IN METERS AND WIND AVERAGING PERIOD IN MINUTES INDICATED UNDER MAXIMUM SUSTAINED WIND IF KNOWN

LOCATION	ID	MIN	DATE/	MAX	DATE/	PEAK	DATE/
LAT	LON	PRES	TIME	SUST	TIME	GUST	TIME
DEG	DECIMAL	(MB)	(UTC)	(KT)	(UTC)	(KT)	(UTC)

KCXM-DOWNTOWN CHARLESTON-SC

32.78 -79.93 974.6 08/1300 010/036 08/1300 060/046 08/0030

10

ABRS1-ACE BASIN RAW-SC

32.66 -80.40 330/027 08/1255 320/063 08/1355
6.1

ACXS1-ACE BASIN RESERVE-SC

32.56 -80.45 979.5 08/1045 340/019 08/1300 020/036 08/1100
10

SAXG1-SAPELO ISLAND RESERVE-GA

31.42 -81.30 982.6 08/0430 270/050 08/0530 270/065 08/0530
10

MTFG1-METTER RAWS-GA

32.39 -82.04 010/022 08/0703 010/049 08/0803
6.1

MDWG1-MIDWAY RAWS-GA

31.78 -81.44 330/009 08/0704 330/030 08/0704
6.1

SVNS1-SAVANNAH NWR RAWS-SC

32.10 -81.08 330/034 08/0923 330/054 08/0923
6.1

PNOS1-PINOPOLIS/LAKE MOULTRIE-SC

33.25 -80.03 985.4 08/1330 350/043 08/1700 350/056 08/1730
10

XIOP-ISLE OF PALMS-SC

32.78 -79.79 971.0 08/1315 080/046 08/1245 080/056 08/1245
9.4

XSUL-SULLIVANS ISLAND-SC

32.77 -79.82 969.0 08/1306 100/043 08/1221 070/057 08/1246
12.8

XCHA-CHARLESTON/BATTERY POINT-SC

32.76 -79.95 972.0 08/1316 320/046 08/1401 320/063 08/1406
10

XFOL-FOLLY BEACH PIER-SC

32.65 -79.94 968.0 08/1241 050/051 08/1216 070/065 08/1146
13.1

XBUF-BEAUFORT-SC

32.34 -80.59 966.0 08/0841 080/058 08/0841 070/072 08/0846
10

XTYB-TYBEE ISLAND NORTH-GA

32.02 -80.84 964.0 08/0819 330/062 08/0819 330/082 08/0819
10

XTYE-TYBEE ISLAND SOUTH-GA

31.99 -80.85 964.0 08/0818 310/065 08/0848 310/083 08/0838
9.1

WTBS1-WALTERBORO RAWS

32.92 -80.63 360/015 08/1407 350/037 08/1607
6.1

REMARKS:

B. MARINE OBSERVATIONS...

NOTE: ANEMOMETER HEIGHT IN METERS AND WIND AVERAGING PERIOD IN
MINUTES INDICATED UNDER MAXIMUM SUSTAINED WIND IF KNOWN

LOCATION ID MIN DATE/ MAX DATE/ PEAK DATE/
LAT LON PRES TIME SUST TIME GUST TIME
DEG DECIMAL (MB) (UTC) (KT) (UTC) (KT) (UTC)

FPKG1-FORT PULASKI NOS TIDE GAGE-GA

32.03 -80.90 973.2 08/0806 330/051 08/0806 I 330/069 08/0806 I

6.5

CHTS1-CHARLESTON NOS TIDE GAGE-SC

32.78 -79.93 975.6 08/1248 040/037 08/0018 I 070/050 08/1206 I

6.5

XSUM-FT. SUMTER/CHARLESTON HARBOR

32.75 -79.87 971.0 08/1256 330/053 08/1356 330/070 08/1406

12.1

41004-NDBC EDISTO BUOY

32.50 -79.10 981.7 08/1350 167/050 08/1320 170/064 08/1313

5

FBIS1-FOLLY BEACH C-MAN-SC

32.69 -79.89 971.3 08/1300 100/045 08/1120 100/059 08/1138

6.5

41008-NDBC GRAYS REEF BUOY

31.40 -80.87 957.6 08/0350 032/054 08/0250 030/068 08/0349 I

5

41033-CARO COOPS FRIPP NEARSHORE BUOY-FRP2

32.28 -80.41 0.0 M I 185/048 08/1108 I 185/073 08/1108 I

2.95

41029-CARO COOPS CAPERS NEARSHORE BUOY-CAP2

32.81 -79.63 962.8 08/1308 307/041 08/1308 307/057 08/1308

2.95

REMARKS: WIND SENSOR AT BUOY 41008 FAILED AS THE NORTHERN EYE WALL PASSED OVER THE BUOY. BUOY 41033 /FRP2/ SUFFERED A COMPLETE FAILURE AS THE EYE PASSED OVER.

C. STORM TOTAL RAINFALL FROM 1200 UTC OCT 07 UNTIL 1200 UTC OCT 09

CITY/TOWN LAT LON DEG DECIMAL	COUNTY	ID	RAINFALL (IN)
HUNTER ARMY AIRFIELD 32.01 -81.16	CHATHAM	SVN	17.49
EDISTO ISLAND MIDDLETON 32.60 -80.33	CHARLESTON	EDSS1	16.90
4 N HILTON HEAD ISLAND 32.25 -80.73	BEAUFORT	SC-BF-2	16.58
HUTCHINSON ISLAND 32.08 -81.08	CHATHAM	SVDG1	14.81
2 SW DAUFUSKIE ISLAND 32.10 -80.88	BEAUFORT	SC-BF-23	14.10
3 SE BEAUFORT 32.49 -80.70	BEAUFORT	NBC	14.04
1 NNE GARDEN CITY 32.11 -81.15	CHATHAM	GA-CT-28	13.86
3 E HILTON HEAD ISLAND 32.18 -80.70	BEAUFORT	SC-BF-52	13.66

6 NE RINCON 32.34 -81.15	EFFINGHAM	HBNG1	13.17
3 ENE SAVANNAH 32.04 -81.09	CHATHAM	GA-CT-25	13.10
1 SSE REEVESVILLE 33.18 -80.64	DORCHESTER	SC-DC-18	13.05
1 ENE SKIDAWAY ISLAND 31.94 -81.03	CHATHAM	GA-CT-17	12.97
5 SE RINCON 32.25 -81.18	EFFINGHAM	ACRG1	12.81
3 N SAVANNAH 32.10 -81.08	JASPER	SVNS1	12.79
4 SW LIMEHOUSE 32.17 -81.12	JASPER	FWDS1	12.70
6 ESE RIDGELAND 32.44 -80.89	JASPER	SC-JS-3	12.46
ELBA ISLAND 32.10 -81.01	JASPER	ELBS1	12.45
NWS CHARLESTON 32.89 -80.03	CHARLESTON	SC-CR-49	12.40
6 SE RINCON 32.24 -81.15	EFFINGHAM	ACMG1	12.26

POOLER 32.10 -81.25	CHATHAM	GA-CT-70	12.05
4 NE MIDWAY 31.83 -81.37	LIBERTY	GA-LB-6	12.00
6 WSW COTTAGEVILLE 32.89 -80.57	COLLETON	SC-CL-16	11.89
2 W MEGGETT 32.70 -80.29	CHARLESTON	SC-CR-32	11.74
WITHERBEE 33.16 -79.83	BERKELEY	WTHS1	11.69
1 S GREEN POND 32.71 -80.61	COLLETON	SC-CL-14	11.68
SAVANNAH AIRPORT 32.13 -81.20	CHATHAM	SAV	11.51
3 NNE HUGER 33.13 -79.78	BERKELEY	HUGS1	11.50
3 ENE MIDWAY 31.81 -81.37	LIBERTY	GA-LB-4	11.47
BENNETTS POINT 32.55 -80.45	COLLETON	ACXS1	11.36
SAPELO ISLAND 31.39 -81.28	MCINTOSH	SPIG1	11.35

4 NNE DARIEN 31.42 -81.39	MCINTOSH	GA-MI-3	11.31
3 NE MONCKS CORNER 33.23 -79.97	BERKELEY	SC-BK-14	11.27
SPRINGFIELD 32.35 -81.34	EFFINGHAM	SRFG1	11.23
2 SSE RINCON 32.27 -81.23	EFFINGHAM	GA-EF-1	11.09
1 NE RICHMOND HILL 31.94 -81.30	BRYAN	GA-BR-2	11.09
4 SSW SAVANNAH 31.96 -81.15	CHATHAM	GA-CT-3	11.06
7 NNE MOUNT PLEASANT 32.91 -79.82	CHARLESTON	SC-CR-10	11.06
7 NNE MOUNT PLEASANT 32.91 -79.82	CHARLESTON	SC-CR-10	11.06
2 N SUMMERVILLE 33.03 -80.17	DORCHESTER	SC-DC-41	11.04
4 NNE BEAUFORT 32.47 -80.67	BEAUFORT	SC-BF-35	11.03
3 ESE NORTH CHARLESTON 32.89 -79.99	CHARLESTON	SC-CR-78	11.02

6 NW CHARLESTON 32.83 -80.07	CHARLESTON	SC-CR-45	11.00
JAMESTOWN 33.28 -79.70	BERKELEY	JAMS1	11.00
2 NNE BLUFFTON 32.26 -80.85	BEAUFORT	SC-BF-4	11.00
2 N PARRIS ISLAND 32.35 -80.69	BEAUFORT	SC-BF-53	11.00
3 NW NORTH CHARLESTON 32.93 -80.07	CHARLESTON	SC-CR-34	10.98
3 WNW NORTH CHARLESTON 32.92 -80.08	DORCHESTER	SC-DC-3	10.95
SAPELO ISLAND 31.41 -81.30	MCINTOSH	SAXG1	10.94
5 WNW CHARLESTON 32.80 -80.07	CHARLESTON	SC-CR-97	10.92
3 NE RICHMOND HILL 31.97 -81.29	BRYAN	RICG1	10.75
2 W SAVANNAH 32.02 -81.16	CHATHAM	GA-CT-55	10.75
5 SSE CHARLESTON 32.72 -79.96	CHARLESTON	SC-CR-13	10.71

8 NE YEMASSEE 32.77 -80.76	COLLETON	SC-CL-1	10.70
6 WNW BLUFFTON 32.26 -80.96	BEAUFORT	SC-BF-10	10.63
7 NW BLUFFTON 32.30 -80.95	JASPER	SC-JS-9	10.63
4 N NORTH CHARLESTON 32.95 -80.06	CHARLESTON	SC-CR-30	10.60
5 SW ADAMS RUN 32.65 -80.40	CHARLESTON	ABRS1	10.58
3 NNW WALTERBORO 32.94 -80.68	COLLETON	SC-CL-3	10.55
3 NNE CHARLESTON 32.82 -79.98	CHARLESTON	SC-CR-87	10.50
CHARLESTON AIRPORT 32.89 -80.04	CHARLESTON	CHS	10.48
CANADYS 33.05 -80.63	COLLETON	SC-CL-6	10.31
SMOAKS 33.08 -80.81	COLLETON	SC-CL-5	10.20
1 SW WALTERBORO 32.88 -80.68	COLLETON	WTRS1	10.20

5 WSW SUMMERVILLE 32.98 -80.26	DORCHESTER	SC-DC-42	10.13
6 SE TOWNSEND 31.57 -81.36	MCINTOSH	GA-MI-5	10.13
7 ESE RICHMOND HILL 31.88 -81.20	BRYAN	GA-BR-5	10.10
7 SE ELLABELL 32.08 -81.39	BRYAN	ELLG1	10.07
1 NNE POOLER 32.12 -81.25	CHATHAM	GA-CT-1	10.03
6 NNW SUMMERVILLE 33.07 -80.22	BERKELEY	SC-BK-46	9.99
2 S CHARLESTON 32.75 -80.00	CHARLESTON	SC-CR-88	9.92
1 ESE MCCLELLANVILLE 33.08 -79.46	CHARLESTON	SC-CR-33	9.89
4 ESE NORTH CHARLESTON 32.87 -79.99	CHARLESTON	SC-CR-57	9.89
7 S RIDGEVILLE 32.98 -80.30	DORCHESTER	SC-DC-40	9.87
3 ENE WALTERBORO 32.91 -80.62	COLLETON	SC-CL-12	9.73

2 SSW MIDWAY 31.78 -81.44	LIBERTY	MDWG1	9.64
WALTERBORO 32.92 -80.63	COLLETON	WTBS1	9.62
2 NE JOHNS ISLAND 32.72 -80.01	CHARLESTON	SC-CR-74	9.61
8 NNE FORT STEWART 31.96 -81.46	BRYAN	FSBG1	9.51
10 NNE SUMMERVILLE 33.12 -80.09	BERKELEY	SC-BK-43	9.42
3 NE CHARLESTON 32.81 -79.96	CHARLESTON	SC-CR-42	9.33
2 W EDEN 32.19 -81.42	EFFINGHAM	EDEG1	9.31
9 NNE SUMMERVILLE 33.11 -80.10	BERKELEY	SC-BK-30	9.23
3 NE SUMMERVILLE 33.03 -80.14	BERKELEY	SC-BK-16	9.21
7 SW MONCK'S CORNER 33.11 -80.07	BERKELEY	SC-BK-25	9.19
MARLOW 32.27 -81.39	EFFINGHAM	GA-EF-13	9.14

1 SW HAMPTON 32.85 -81.12	HAMPTON	SC-HM-7	8.96
MCCLELLANVILLE 33.08 -79.46	CHARLESTON	SC-CR-10	8.73
4 NE MOUNT PLEASANT 32.85 -79.81	CHARLESTON	SC-CR-26	8.69
2 W SUMMERVILLE 33.00 -80.21	DORCHESTER	SC-DC-38	8.69
3 NW SUMMERVILLE 33.03 -80.22	DORCHESTER	SC-DC-37	8.43
7 NE MCCLELLANVILLE 33.15 -79.36	CHARLESTON	SRES1	8.34
1 SSW WANDO 32.91 -79.84	BERKELEY	SC-BK-37	8.28
7 SW VARNVILLE 32.77 -81.15	HAMPTON	SC-HM-6	8.25
DOWNTOWN CHARLESTON 32.77 -79.92	CHARLESTON	CHLS1	8.20
7 SSE MONCK'S CORNER 33.10 -79.96	BERKELEY	SC-BK-47	8.20
5 ESE CHARLESTON 32.74 -79.92	CHARLESTON	SC-CR-96	8.14

3 SW FOLLY BEACH 32.64 -79.96	CHARLESTON	SC-CR-19	8.09
WAMBAW 32.97 -79.67	CHARLESTON	WMBS1	7.98
1 SW MOUNT PLEASANT 32.80 -79.88	CHARLESTON	SC-CR-51	7.94
SULLIVANS ISLAND 32.76 -79.85	CHARLESTON	SULS1	7.87
1 WSW MOUNT PLEASANT 32.81 -79.88	CHARLESTON	SC-CR-99	7.57
4 WSW BLITCHTON 32.16 -81.49	BRYAN	BLIG1	7.47
3 SW LODGE 33.02 -80.99	COLLETON	SC-CL-9	7.38
3 E MOUNT PLEASANT 32.81 -79.81	CHARLESTON	SC-CR-77	7.33
1 SSE NEWINGTON 32.58 -81.50	SCREVEN	GA-SV-5	6.74
1 SW OLIVER 32.49 -81.56	SCREVEN	OLVG1	6.49
2 SE ALLENDALE 32.98 -81.29	ALLENDALE	SC-AL-2	6.33

3 N BELLVILLE 32.19 -81.97	EVANS	GA-EV-1	5.97
7 N METTER 32.49 -82.05	CANDLER	GA-CD-2	5.52
MCINTOSH 31.82 -81.54	LIBERTY	MTHG1	5.41
2 SSW BRUNSON 32.90 -81.20	HAMPTON	SC-HM-2	5.34
8 E MILLHAVEN 32.93 -81.50	SCREVEN	BFYG1	5.28
4 N HILLTONIA 32.93 -81.65	SCREVEN	BRIG1	5.19
4 N STATESBORO 32.50 -81.78	BULLOCH	GA-BU-13	5.03
REIDSVILLE 32.07 -82.18	TATTNALL	REDG1	4.80
1 ESE METTER 32.39 -82.04	CANDLER	MTFG1	4.73
1 SW ROCKY FORD 32.64 -81.84	SCREVEN	RFDG1	4.56

REMARKS:

D. INLAND FLOODING...

WFO CHARLESTON SC RECEIVED 18 REPORTS OF FLASH FLOODING FROM THE COUNTIES OF CHATHAM...BULLOCH...HAMPTON...BEAUFORT...CHARLESTON ...BERKELEY AND DORCHESTER. RIVER FLOODING ALSO OCCURRED AFTER THE HURRICANE PASSED ALONG THE EDISTO RIVER IN THE COUNTIES OF COLLETON...DORCHESTER AND CHARLESTON. 2 INDIVIDUALS WERE RESCUED DUE TO RIVER FLOODING NEAR PARKERS FERRY IN CHARLESTON COUNTY ON 10/12. RIVER FLOODING ALSO OCCURRED ALONG THE SANTEE RIVER IN BERKELEY COUNTY AND ALONG THE ASHLEY RIVER IN DORCHESTER COUNTY. FLOODING WAS ALSO REPORTED IN THE FOUR HOLE SWAMP AREA IN DORCHESTER COUNTY AND ALONG BEES FERRY ROAD/SHADOW MOSS AREA OF WEST ASHLEY IN CHARLESTON COUNTY.

E. MAXIMUM STORM SURGE AND STORM TIDE...

OFFICIAL TIDE GAUGES NOTED WITH LEADING G

COUNTY	CITY/TOWN OR LOCATION	SURGE (FT)	TIDE (FT)	DATE/ TIME	BEACH EROSION
CHATHAM	G FORT PULASKI	7.69	12.56	08/0748	UNKNOWN
CHARLESTON	G CHARLESTON	6.20	9.29	08/1000	UNKNOWN

REMARKS: THE PEAK STORM SURGE AND STORM TIDES ARE LISTED BUT THEY DID NOT OCCUR AT THE SAME TIME. THE TIMES LISTED CORRESPOND TO THE PEAK STORM SURGE. THE HIGHEST STORM TIDE AT FORT PULASKI WAS 12.56 FT MLLW...OR 5.06 FT MEAN HIGHER HIGH WATER /MHHW/...WHICH OCCURRED

AT 0742 UTC ON OCT 8. THIS WAS THE HIGHEST STORM TIDE EVER RECORDED. THE HIGHEST STORM TIDE AT CHARLESTON WAS 9.29 FT MLLW...OR 3.53 FT MHHW... WHICH OCCURRED AT 0648 UTC ON OCT 8. THIS WAS THE THIRD HIGHEST STORM TIDE ON RECORD.

THE U.S. GEOLOGICAL SURVEY MEASURED INUNDATION VALUES OF 3 TO NEARLY 3.75 FEET ABOVE GROUND LEVEL ALONG DELEGAL CREEK IN CHATHAM COUNTY AND IN SOUTHERN BEAUFORT COUNTY...MAINLY ON HILTON HEAD ISLAND AND INLAND ALONG THE MAY RIVER. THE U.S.G.S. ALSO MEASURED INUNDATION VALUES EXCEEDING 2 FEET AT SEVERAL LOCATIONS ALONG THE SOUTH CAROLINA COAST FROM HARBOR ISLAND AND EDISTO BEACH TO BULLS BAY. AT MOST OTHER LOCATIONS...INUNDATION VALUES WERE BETWEEN 1 AND 2 FEET.

MAJOR BEACH EROSION WAS NOTED AT MOST LOCATIONS.

F. TORNADOES...

(DIST)CITY/TOWN	COUNTY	DATE/ TIME(UTC)	EF SCALE (IF KNOWN)
LAT LON (DEG DECIMAL)			
DESCRIPTION			

G. STORM IMPACTS BY COUNTY...

COUNTY	DEATHS	INJURIES	EVACUATIONS
DESCRIPTION			
BEAUFORT	0	0	M

PER NWS STORM SURVEY ALONG U.S. ROUTE 21: EVIDENCE OF INUNDATION OF U.S. ROUTE 21 AT NUMEROUS LOCATIONS. SCATTERED TREE DAMAGE AND SIGNIFICANT POWER OUTAGES IN BEAUFORT. 8 BOATS DRIVEN AGROUND ALONG NORTH SIDE OF U.S. 21. TREE/STRUCTURAL DAMAGE INCREASED WITH SOUTHWARD PROGRESS ALONG U.S. 21. EVIDENCE OF SALT WATER INUNDATION AT BEAUFORT COUNTY AIRPORT WHERE 4 BOATS WERE DRIVEN ONTO OR ALONG THE RUNWAY. EXTENSIVE TREE DAMAGE ON DATAW ISLAND INCLUDING TREES ON SEVERAL HOMES. DAMAGE CONSISTENT WITH WIND GUSTS AROUND 100 MPH. DATAW ISLAND MARINA DOCKS ON JENKINS CREEK DESTROYED. EVIDENCE OF STORM SURGE AND INUNDATION INCLUDED SEVERAL BOATS AND MUCH DEBRIS DRIVEN AROUND ALONG SOUTH SHORE OF CREEK. SOUTH SIDE/NORTHBOUND LANE OF HARBOR ISLAND BRIDGE WAS WASHED OUT BY SURGE AND BRIDGE/ALL POINTS SOUTH WERE CLOSED BY POLICE ROADBLOCK. EXTENSIVE SHINGLE/ROOF DAMAGE AND EVIDENCE OF FAST MOVING SURGE/INUNDATION ON HARBOR ISLAND. WORST STRUCTURAL DAMAGE CONSISTENT WITH WIND GUSTS 100-110 MPH. COMBINATION OF WIND/SURGE BADLY DAMAGED SEVERAL WATERFRONT HOMES ALONG NORTH HARBOR DRIVE. HUNTING ISLAND STATE PARK WAS NOT ACCESSIBLE DUE TO DOWNED TREES; AERIAL PHOTOGRAPHS DEPICTED SAND COVERED ROADWAYS AND PARKING LOTS ACCOMPANIED BY MANY DOWNED TREES ACROSS STATE PARK AND ALONG U.S. 21 ALONG NORTH SIDE OF ISLAND. PIER ON SOUTH END OF HUNTING ISLAND DAMAGED. EVIDENCE OF STORM SURGE WELL INLAND ON FRIPP ISLAND, AND COMBINATION OF FRESH/SALT WATER FLOODING PERSISTED DURING SURVEY. EVIDENCE OF FAST MOVING SURGE/INUNDATION ALONG PORPOISE DRIVE/WATERFRONT ALONG NE SIDE OF ISLAND INCLUDING BOULDERS FROM SEA WALL AND SAND DEPOSITED ALONG ROAD. STRUCTURAL DAMAGE IN THIS AREA INCLUDED SIGNIFICANT SHINGLE/ROOF DAMAGE CONSISTENT WITH WIND GUSTS AT LEAST 100 MPH...MAJOR OVERALL STRUCTURAL DAMAGE TO TWO WATERFRONT HOMES AT SOUTH END OF PORPOISE DRIVE. ON ANOTHER HOME GARAGE DOORS BUCKLED/DAMAGED BY COMBINATION OF SURGE AND WIND. PER NWS SURVEY ON HILTON HEAD ISLAND THE SURGE MADE IT OVER ONE OF THE HOLES OF THE HARBOR TOWN GOLF COURSE AND TO NEAR THE ENTRANCES OF NEARBY BUILDINGS. MANY TREES SNAPPED/UPROOTED

ACROSS THE ISLAND...WITH A LARGER QUANTITY OF TREES DOWN ACROSS THE NORTHERN END OF THE ISLAND. SEVERAL TREES FEEL ON STRUCTURES. TREE DAMAGE SUPPORTS 90-100 MPH WIND GUSTS...ALTHOUGH GUSTS COULD HAVE EXCEEDED 100 MPH IN SOME LOCATIONS.

COLLETON 0 0 M

MANY TREES/POWER LINES DOWNED ACROSS COUNTY. FLOODING ALONG EDISTO RIVER...WHERE THE RIVER NEAR GIVHANS FERRY REACHED 14.90 FEET ON OCTOBER 13...ITS 12TH HIGHEST ON RECORD. A NATIONAL WEATHER SERVICE SURVEY TEAM VISITED EDISTO BEACH AND REPORTED THAT AT LEAST 70 BEACH FRONT HOMES ALONG A 1.5 MILE STRETCH OF PALMETTO BLVD WERE DAMAGED BY A COMBINATION OF STORM SURGE AND WAVE ACTION. THE MOST SIGNIFICANT DAMAGE WAS ALONG THE NORTHERN END OF EDISTO BEACH...WHERE MOST HOMES WERE SEVERELY UNDERCUT WITH CONCRETE FOUNDATIONS AND DRIVEWAYS COMPLETELY DESTROYED AT GROUND LEVEL. THIS WAS THE AREA WHERE PALMETTO BLVD MAKES A RIGHT TURN TOWARD THE SOUTH NEAR PAVILION PIER. ONE HOME WAS ALSO COMPLETELY DESTROYED AT THIS LOCATION. WATER AND SAND LINES INDICATED 5 TO 6 FEET OF EROSION. A FEW HOMES ALSO HAD ROCK BARRIERS WHICH WERE DAMAGED...AND SOME ROCKS WERE WASHED INTO THE FIRST FLOOR OF A HOME. FARTHER SOUTH ALONG PALMETTO BLVD HOMES EXHIBITED SHINGLE...SIDING AND WINDOW DAMAGE. ONE HOME HAS A BROKEN WATER PIPE THAT WAS STILL SPRAYING WATER UNDER THE FIRST FLOOR. A DECK WAS LIKELY WASHED AWAY FROM WOODEN STAIRS 10 TO 15 FEET TALL WHICH WERE NO LONGER ATTACHED AT ANY STRUCTURE. APPROXIMATELY 4-5 FEET OF SURGE WAS DETERMINED TO HAVE OCCURRED BASED ON A WATERLINE NOTED ON A HOME ON THE FAR SIDE (NOT THE BEACH SIDE) OF PALMETTO BLVD NEAR THE INTERSECTION WITH OSCEOLA. APPROXIMATELY 2-5 FEET OF SAND WAS PUSHED ONSHORE AND COVERED A 2-MILE STRETCH OF ROAD ON PALMETTO BLVD. WIDESPREAD DEBRIS WAS MIXED WITH THE SAND...INCLUDING GAS TANKS...REFRIGERATORS...A/C UNITS...ETC. FURTHER INLAND NUMEROUS TREES AND FLOODED WATERS REMAINED POST STORM. APPROXIMATELY 1-2 FEET OF WATER WAS STILL

PRESENT FURTHER SOUTH ALONG PALMETTO BLVD FOR ABOUT A 1 MILE STRETCH. WATER ALSO REMAINED UNDER HOMES ON THE FAR SIDE OF PALMETTO BLVD AND ADJACENT BLOCKS FURTHER INLAND...LIKELY TRAPPED FOR SEVERAL DAYS DUE TO THE BEACHFRONT ELEVATION GIVING NO WAY FOR THE WATER TO RETURN TO THE OCEAN.MOST HOMES ON THE FAR SIDE OF PALMETTO BLVD HAD LITTLE TO NO DAMAGE...BUT SEVERAL HOMES ON STILTS WERE SURROUNDED BY WATER. A REPORT FROM THE FORMER MIC OF WFO CHARLESTON INDICATED THAT THE FRONT BEACH OF EDISTO BEACH BASICALLY MOVED INLAND A COUPLE OF BLOCKS. EVEN AS LATE AS OCTOBER 16 THERE WERE STILL PLACES UNDER WATER...BUT MOST OF THE SAND HAD BEEN CLEARED FROM THE ROADS.

CHARLESTON 0 0 M

MANY TREES/POWER LINES DOWN ACROSS COUNTY. DOWNTOWN CHARLESTON ROADS FLOODED/CLOSED DURING STORM. ONE BOAT SUNK AND ONE BOAT DRIVEN AGROUND ON ASHLEY RIVER JUST NORTH OF I-526/WESTMORELAND BRIDGE. ANOTHER LARGE BOAT WAS DRIVEN AGROUND ALONG A TREE LINE JUST WEST OF THE INTRA-COASTAL WATERWAY AND ISLE OF PALMS JUST NORTH OF ISLE OF PALMS CONNECTOR. IN ISLE OF PALMS...A SIGNIFICANT ESCARPMENT OVER 6 FEET HIGH WAS NOTED ALONG THE DUNE LINE NORTH OF THE PIER. AN EYE WITNESS REPORT FROM THE EX-MIC OF WFO CHARLESTON ON EDISTO ISLAND INDICATED THAT THERE WERE PLENTY OF LARGE TREES AND TREE LIMBS DOWN IN THE AREA...WITH ONE HUGE WATER OAK ABOUT 90 FEET TALL AND 3 FEET IN DIAMETER WAS UPROOTED WITH THE FIRST 25 FEET BASICALLY SUNK INTO THE GROUND. ESTIMATED WINDS AT TREE TOP LEVEL OF AT LEAST 75-80 MPH...PERHAPS A LITTLE STRONGER. MAIN ROAD WAS FLOODED AND CLOSED AT THE INTERSECTION WITH U.S. ROUTE 17.

BULLOCH 2 0 0

TWO FATALITIES DUE TO TREES FALLING ON A CAR AND ON A HOME. OTHER REPORTS OF TREES DOWN IN COUNTY. 1 REPORT OF FLASH FLOODING 4 SSW OF GEORGIA SOUTHERN UNIVERSITY.

CHATHAM

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1 FATALITY AND ONE INJURY FROM TREES FALLING ON HOMES. MANY OTHER TREES AND POWER LINES DOWN ACROSS COUNTY. COUNTY RECEIVED GREATEST STORM TOTAL RAINFALL VALUES. 1 REPORT OF FLASH FLOODING. RECORD HIGH TIDE LEVEL AT NOS TIDE GAUGE AT FORT PULASKI. AN NWS SURVEY OF TYBEE ISLAND REVEALED DAMAGE TO A ROOF OF A HOME ON 19TH STREET NEAR THE BEACH CONSISTENT WITH 96 MPH WIND GUSTS WHICH WERE MEASURED AT A NEARBY SENSOR. A DUNE ESCARPMENT 7 TO 10 FEET HIGH WAS ALSO NOTED ALONG 19TH STREET. THE DUNE LINE HELD THE STORM SURGE OCEANSIDE ALONG LOVELL AVENUE AND POINTS SOUTH. MINOR EROSION WAS NOTED NEAR THE TYBEE ISLAND PIER AND OCEANSIDE OF CENTER STREET. AN ESCARPMENT 1-2 FEET HIGH WAS NOTED IN DUNES IN THIS AREA. BASED ON VISUAL CONFIRMATION AND INTERVIEWS WITH BUSINESS OWNERS NO WATER ENTERED HOMES OR BUSINESSES IN THIS AREA. SAND WAS NOTED APPROACHING AND TOUCHING A FEW SIDE STREETS INCLUDING CENTER STREET. WIND DAMAGED SIDING AND THE ROOF OF A BUILDING CLOSEST TO THE OCEAN ON CENTER STREET. NUMEROUS TREES WERE BLOWN DOWN ACROSS INTERIOR SECTIONS OF TYBEE ISLAND...INCLUDING SEVERAL LARGE TREES ON HOMES ALONG U.S. HIGHWAY 80. DEBRIS INDICATED THAT HIGHWAY 80 WAS INUNDATED BY SALT WATER IN A FEW LOCATIONS. A NATIONAL HURRICANE CENTER SURVEY TEAM FOUND A HIGH WATER MARK OF 3 FEET IN A TYBEE ISLAND HOME SEVERAL BLOCKS FROM THE SHORELINE. INTERVIEWS...THE OBSERVED DEBRIS FIELD AND HIGH WATER MARKS INDICATE PRELIMINARY INUNDATION VALUES OF 5 TO 6 FEET CLOSE TO THE TYBEE ISLAND SHORELINE. IN DOWNTOWN SAVANNAH...WATER FLOODED A PARKING LOT AND ENTERED THE HYATT BALLROOM BUILDING 10-18 INCHES DEEP. WATER REACHED THE DOORWAYS OF OF MANY BUSINESSES ON RIVER STREET BUT NO SIGNIFICANT SALT WATER INTRUSION OR DAMAGE WAS REPORTED. A RESTAURANT ON THE EAST END OF RIVER STREET WAS FLOODED WITH 3 TO 6 INCHES OF WATER FROM THE SAVANNAH RIVER. AN EYEWITNESS REPORTED THAT THE HULLS OF BOATS TIED UP AT RIVER STREET ROSE TO THE LEVEL OF THE RAILING ALONG THE

SAVANNAH RIVER. MORE INFORMATION EXPECTED FROM COUNTY EMERGENCY MANAGER WHEN RECOVERY EFFORTS CONCLUDE AND FROM NWS SURVEYS WHEN COMPLETE. 1 FATALITY AND ONE INJURY FROM TREES FALLING ON HOMES. MANY OTHER TREES AND POWER LINES DOWN ACROSS COUNTY. COUNTY RECEIVED GREATEST STORM TOTAL RAINFALL VALUES. 1 REPORT OF FLASH FLOODING. RECORD HIGH TIDE LEVEL AT NOS TIDE GAUGE AT FORT PULASKI. AN NWS SURVEY OF TYBEE ISLAND REVEALED DAMAGE TO A ROOF OF A HOME ON 19TH STREET NEAR THE BEACH CONSISTENT WITH 96 MPH WIND GUSTS WHICH WERE MEASURED AT A NEARBY SENSOR. A DUNE ESCARPMENT 7 TO 10 FEET HIGH WAS ALSO NOTED ALONG 19TH STREET. THE DUNE LINE HELD THE STORM SURGE OCEANSIDE ALONG LOVELL AVENUE AND POINTS SOUTH. MINOR EROSION WAS NOTED NEAR THE TYBEE ISLAND PIER AND OCEANSIDE OF CENTER STREET. AN ESCARPMENT 1-2 FEET HIGH WAS NOTED IN DUNES IN THIS AREA. BASED ON VISUAL CONFIRMATION AND INTERVIEWS WITH BUSINESS OWNERS NO WATER ENTERED HOMES OR BUSINESSES IN THIS AREA. SAND WAS NOTED APPROACHING AND TOUCHING A FEW SIDE STREETS INCLUDING CENTER STREET. WIND DAMAGED SIDING AND THE ROOF OF A BUILDING CLOSEST TO THE OCEAN ON CENTER STREET. NUMEROUS TREES WERE BLOWN DOWN ACROSS INTERIOR SECTIONS OF TYBEE ISLAND...INCLUDING SEVERAL LARGE TREES ON HOMES ALONG U.S. HIGHWAY 80. DEBRIS INDICATED THAT HIGHWAY 80 WAS INUNDATED BY SALT WATER IN A FEW LOCATIONS. A NATIONAL HURRICANE CENTER SURVEY TEAM FOUND A HIGH WATER MARK OF 3 FEET IN A TYBEE ISLAND HOME SEVERAL BLOCKS FROM THE SHORELINE. INTERVIEWS...THE OBSERVED DEBRIS FIELD AND HIGH WATER MARKS INDICATE PRELIMINARY INUNDATION VALUES OF 5 TO 6 FEET CLOSE TO THE TYBEE ISLAND SHORELINE. IN DOWNTOWN SAVANNAH...WATER FLOODED A PARKING LOT AND ENTERED THE HYATT BALLROOM BUILDING 10-18 INCHES DEEP. WATER REACHED THE DOORWAYS OF OF MANY BUSINESSES ON RIVER STREET BUT NO SIGNIFICANT SALT WATER INTRUSION OR DAMAGE WAS REPORTED. A RESTAURANT ON THE EAST END OF RIVER STREET WAS FLOODED WITH 3 TO 6 INCHES OF WATER FROM THE SAVANNAH RIVER. AN EYEWITNESS REPORTED THAT THE HULLS OF BOATS TIED UP AT RIVER STREET ROSE TO THE LEVEL OF THE RAILING ALONG THE SAVANNAH RIVER. FARTHER EAST ALONG U.S. ROUTE 80

ABOUT 1 FOOT OF WATER ENTERED A RESTAURANT ON ISLE OF ARMSTRONG. ON WHITEMARSH ISLAND DEBRIS ON U.S. ROUTE 80 INDICATED THAT THE ROAD WAS INUNDATED. ON THE SOUTHERN TIP OF WILMINGTON ISLAND HUNDREDS OF LARGE OAKS AND PINES WERE BROKEN AND UPROOTED. SEVERAL TREES DAMAGED HOMES. AT FORT PULASKI NWS/NHC SURVEY TEAM MEASURED 5 FEET OF INUNDATION NEAR THE COAST GUARD STATION AND AROUND THE FORT.

DORCHESTER 0 0 0

TREES AND POWER LINES DOWN ACROSS COUNTY. 4 REPORTS OF FLASH FLOODING. FLOODING ALONG EDISTO RIVER...ASHLEY RIVER AND IN FOUR HOLE SWAMP AREA.

HAMPTON 0 0 0

TREES BLOWN DOWN ACROSS COUNTY. 1 REPORT OF FLASH FLOODING.

JASPER 0 0 M

INTERSTATE 95 WAS CLOSED BY A COMBINATION OF DOWNED TREES AND WATER ACROSS THE ROAD.

BERKELEY 0 0 M

4 REPORTS OF FLASH FLOODING. MULTIPLE REPORTS OF DOWNED TREES. GAS STATION AWNING BLOWN DOWN NEAR SANGAREE. FLOODING ALONG THE SOUTH SANTEE RIVER...WHERE THE RIVER AT JAMESTOWN REACHED 13.06 FEET ON OCTOBER 10.

LIBERTY 0 0 M

GAS STATION CANOPY DAMAGED NEAR HINESVILLE. A SPOTTER REPORTED DAMAGE CAUSED BY SURGE ON ST. CATHERINES ISLAND. SURGE PRODUCED

SIGNIFICANT BEACH EROSION AS DESCRIBED BY EVIDENCE OF SAND TRANSPORTED BY WASH OVER AND WASH THROUGH FANS IN NUMEROUS LOCATIONS. DUNES WERE BREACHED IN MULTIPLE LOCATIONS AND WERE WASHED OUT OR DESTROYED IN SOME AREAS. EVIDENCE OF SALT WATER INUNDATION WAS NOTED ALONG THE ST. CATHERINES SOUND MARGIN. SOME CREEKS WERE AT LEAST PARTIALLY FLOODED BY TRANSPORTED SAND. IN SOME AREAS EROSION WAS EXACERBATED BY RETURN FLOW FROM FLOODED AREAS BEHIND THE DUNE LINE. SEA TURTLE NESTING HABITAT WAS REDUCED BY AN ESTIMATED 11 PERCENT. ST. CATHERINES ISLAND LOST AT LEAST 3 DOCKS AND THERE WAS ONLY MINOR DAMAGE TO HOMES ON THE MAINLAND PROPERTY.

BRYAN	0	0	M
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SCATTERED REPORTS OF TREES BLOWN DOWN ALONG I-95 AND NEAR ELLABELL.

MCINTOSH	0	0	M
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TREE FELL ON A HOME NEAR PINE HARBOR. EYE WITNESS REPORT FROM DNR SAPELO ISLAND MANAGER INDICATED THAT THERE WERE LITERALLY THOUSANDS OF TREES THAT FELL. FORTUNATELY NONE OF THEM LANDED ON ANY HOME. THERE WAS ONLY LIMITED STRUCTURAL DAMAGE...WITH JUST ONE RESIDENCE REQUIRING SIGNIFICANT REPAIR. ESTIMATES THAT BETWEEN 60 AND 80 PERCENT OF THE ISLANDS POWER LINES CAME DOWN.

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LEGEND:

I-INCOMPLETE DATA

E-ESTIMATED

SPR