

National Weather Service National Headquarters

National Weather Service

Post Storm Hurricane Report

Issued by NWS Jacksonville, FL

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POST TROPICAL [CYCLONE REPORT](#)...[HURRICANE](#) IAN...UPDATED
NATIONAL WEATHER SERVICE JACKSONVILLE FL
532 AM EDT FRI OCT 7 2022

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 IAN
OR ITS REMNANTS WAS AFFECTING THE AREA.

COUNTIES INCLUDED...ALACHUA...BAKER...BRADFORD...CAMDEN...
COLUMBIA...DUVAL...FLAGLER...GLYNN...MARION...NASSAU...PUTNAM...
ST JOHNS...UNION

OCT 4...UPDATED FOR...UPDATED GLYNN, NASSAU, ST JOHNS, AND FLAGLER
COUNTY IMPACTS

OCT 5...UPDATED FOR...CAMDEN...DUVAL AND FLAGLER IMPACTS

OCT 7...UPDATED FOR...NON-[METAR](#) OBSERVATIONS

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)

KNRB-MAYPORT NAVAL STATION FL
30.39 -81.42 1004.9 30/0752 020/040 29/1740 020/056 29/1627

KCRG-CRAIG MUNICIPAL AIRPORT FL
30.33 -81.52 1005.4 30/0753 040/027 29/1033 040/052 29/1648

KGNV-GAINESVILLE REGIONAL AIRPORT FL							
29.68	-82.27	1006.9	29/0853	360/022	29/1353	010/051	29/1509
KFIN-BUNNELL FL							
29.47	-81.20			040/030	29/1015	050/049	29/0955
KNIP-JACKSONVILLE NAS FL							
30.24	-81.68	1005.8	30/0753	360/035	29/2153	020/048	29/1534
KSSI-ST. SIMONS/MALCOLM MCKINNON AIRPORT GA							
31.15	-81.38	1004.9	30/0953	020/028	29/1602	030/047	29/1526
KJAX-JACKSONVILLE INTERNATIONAL AIRPORT FL							
30.49	-81.69	1005.9	30/0756	020/027	29/1456	020/046	29/1510 I
KFHB-FERNANDINA BEACH FL							
30.61	-81.45			030/031	29/1615	030/043	29/1615
KVQQ-CECIL FIELD AIRPORT FL							
30.22	-81.88			020/027	29/1250	350/040	29/2050
K42J-KEYSTONE HEIGHTS FL							
29.85	-82.05			030/022	29/0855	030/034	29/0915
K28J-PALATKA FL							
29.66	-81.69			350/020	29/2115	350/034	29/2115
KLCQ-LAKE CITY FL							
30.18	-82.58			030/021	29/1555	020/032	29/1535
KAYS-WAYCROSS GA							
31.25	-82.40			030/021	29/1935	030/032	29/2035
KBQK-BRUNSWICK/GLYNCO AIPIRT GA							
31.15	-81.47			020/023	29/1615	360/032	30/0015
KDQH-DOUGLAS MUNICIPAL AIRPORT GA							
31.48	-82.86			030/025	29/2135	030/031	29/1835
KAMG-BACON COUNTY AIRPORT GA							
31.54	-82.50	1008.9	30/0953	360/016	29/1853	010/031	30/0220
KJES-JESUP GA							
31.55	-81.88			020/019	29/1955	030/028	29/2235
KAZE-HAZLEHURST AIRPORT GA							
31.88	-82.65			010/016	30/1035	030/024	30/0955

REMARKS:

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)

 XHUP-HUGUENOT PARK
 30.42 -81.41 1005 29/1948 013/053 29/1528 007/062 29/1829

 XJAK-BUCK ISLAND
 30.40 -81.47 1002.9 29/1945 030/051 29/1639 017/060 29/1624

 XJEK-JEKYLL ISLAND GA
 31.06 -81.40 1004.7 30/0937 041/035 29/1148 049/045 29/1024

 XHSE-WEATHERFLOW CRESCENT BEACH SUMMERHOUSE
 29.72 -81.23 1001.1 29/1910 341/042 29/2222 358/052 29/1814

 XLWS-WEATHERFLOW LEWIS ST. JOHNS
 29.92 -81.32 1002.8 29/1935 356/039 29/2116 025/052 29/1353

REMARKS: DATA PROVIDED BY WEATHERFLOW-TEMPEST NETWORK

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/
<u>LAT</u>	LON	<u>PRES</u>	TIME	SUST	TIME	<u>GUST</u>	TIME
DEG	DECIMAL	(<u>MB</u>)	(<u>UTC</u>)	(<u>KT</u>)	(<u>UTC</u>)	(<u>KT</u>)	(<u>UTC</u>)

MYPF1-NOS STATION MAYPORT FL
 30.40 -81.43 1005.4 30/0742 220/041 29/1612 210/053 29/1630
 06/06

FRDF1-NOS STATION FERNANDINA BEACH FL
 30.67 -81.47 1005.7 30/0736 360/027 29/1842 360/041 29/1330
 09/06

SAUF1-CMAN STATION SAINT AUGUSTINE FL
 29.86 -81.26 1002.1 29/1900 360/049 29/2100 360/060 29/2051
 08/10

GTXF1-NERR STATION GUANA TOLOMAO MATANZAS FL
 29.66 -81.22 1002 29/1930 010/030 29/1830

BKBF1-I295 BUCKMAN BRIDGE
 30.19 -81.69 1005.7 30/0754 020/027 29/1512 020/039 29/1424

REMARKS: THE PEAK WAVE HEIGHT MEASURED BY BUOY 41112 WAS 9.2 METERS OR 30.2 FEET ON 9/30 AROUND 05 UTC. BUOY 41117 MEASURED A PEAK WAVE HEIGHT OF AROUND 11 METERS OR 36.1 FEET ON 9/30 AROUND 02 UTC. DATA PROVIDED BY SCRIPPS INSTITUTION OF OCEANOGRAPHY.

C. STORM TOTAL RAINFALL FROM 1200 UTC SEP 28 UNTIL 1200 UTC SEP 30

CITY/TOWN	COUNTY	ID	<u>RAINFALL</u>
<u>LAT</u>	LON		(IN)
DEG	DECIMAL		

 19 S BUNNELL FLAGLER FSNWFR 13.81

29.20 -81.23				
5 E BAKERSVILLE 29.90 -81.41	ST. JOHNS	FL-SJ-EOC	11.09	
4 NNE BUNNELL-COCORAHS S 29.52 -81.24	FLAGLER	FL-FL-47	10.66	
ST. AUGUSTINE 29.89 -81.31	ST. JOHNS	FSWNCSA	9.60	
1 W ST. AUGUSTINE SHORES 29.81 -81.33	ST. JOHNS	SAS21SSW	9.26	
1 E PALM COAST 29.57 -81.19	FLAGLER	FSWNHDB	9.05	
1 ENE BUNNELL 29.47 -81.24	FLAGLER	FSWNFCE	8.61	
1 NW MARINELAND 29.67 -81.22	ST. JOHNS	GTXF1	7.79	
3 S PALM COAST-CWOP SITE 29.53 -81.21	FLAGLER	GW2024	7.06	
1 NE DUNNS CREEK NEAR SA 29.59 -81.61	PUTNAM	FL-PT-24	5.50	
1 SSE PALATKA-CWOP SITE 29.64 -81.65	ST. JOHNS	AR990	3.87	
6 NW SALT SPRINGS 29.40 -81.81	MARION	LGRF1	3.68	
5 SSW DURBIN 30.01 -81.48	ST. JOHNS	FL-SJ-62SE	3.44	
3 NE DURBIN 30.12 -81.43	ST. JOHNS	FL-SJ-PV-59S	3.38	
1 NNE BELLEVIEW 29.07 -82.05	MARION	BLLBS	2.27	
2 SE SUMMERFIELD-CWOP SI 28.98 -82.01	MARION	FW8228	2.16	
SAN PABLO 30.29 -81.44	DUVAL	2748D	1.96	
2 W CITRA 29.41 -82.14	MARION	6734D	1.88	
1 WSW MAYPORT 30.38 -81.42	DUVAL	KNRB	1.82	
4 SW OCALA AIRPORT 29.13 -82.28	MARION	AV639	1.63	

D. INLAND FLOODING...

E. MAXIMUM OBSERVED WATER LEVEL (WL)...

ID	CITY/TOWN OR LOCATION	COUNTY	STATE	WL (FT)	DATUM	DATE/ TIME	SOURCE
MYPF1 30.3917	ST JOHNS RIVER -81.4300	DUVAL	FL	2.49	MHHW	29/1624	NOS
CSAG1 30.7644	SEA CAMP DOCK O -81.4714	CAMDEN	GA	2.81	MHHW	29/1645	USGS
FRDF1 30.6717	FERNANDINA BEAC -81.4650	NASSAU	FL	3.35	MHHW	29/1654	NOS
PELF1 29.6692	PELLICER CREEK -81.2597	ST JOHNS	FL	4.29	MHHW	29/1845	USGS
NATF1 30.5506	NASSAU RIVER NE -81.5900	DUVAL	FL	3.02	MHHW	29/1845	USGS
SRWG1 30.9744	SATILLA RIVER A -81.7258	CAMDEN	GA	1.24	MHHW	29/1845	USGS
DNSF1 29.5775	DUNNS CREEK -81.6264	NEA PUTNAM	FL	3.73	MHHW	30/0215	USGS
PALF1 29.5961	ST JOHNS RIVER -81.6833	PUTNAM	FL	3.36	MHHW	30/0230	USGS
SPUF1 29.7294	DEEP CREEK AT S -81.4869	ST JOHNS	FL	5.17	MHHW	30/0600	USGS
DMSF1 30.3867	ST JOHNS RIVER -81.5583	DUVAL	FL	2.68	MHHW	30/1742	NOS
DPBF1 30.3858	ST JOHNS RIVER -81.5583	DUVAL	FL	2.57	MHHW	30/1800	USGS
SJLF1 30.3222	ST JOHNS RIVER -81.6656	DUVAL	FL	2.81	MHHW	30/1845	USGS
MSBF1 30.3200	ST JOHNS RIVER -81.6583	DUVAL	FL	2.71	MHHW	30/1836	NOS
SRPF1 29.8000	ST JOHNS RIVER -81.5500	ST JOHNS	FL	3.61	MHHW	29/2330	USGS
GCEF1	ST JOHNS RIVER	ST JOHNS	FL	3.27	MHHW	30/0915	USGS

30.0058 -81.6150

BKBF1	ST JOHNS RIVER, DUVAL	FL	3.06 MHHW	30/1924 NOS
30.1924	-81.6889			
BRNG1	ST SIMONS ISLAN GLYNN	GA	2.73 MHHW	29/1615 USGS
31.1333	-81.3967			
JULF1	JULINGTON CREEK DUVAL	FL	2.64 MHHW	30/1030 USGS
30.1433	-81.5558			
TRJF1	TROUT RIVER AT DUVAL	FL	2.61 MHHW	30/1830 USGS
30.4172	-81.6967			
CCJF1	CLAPBOARD CREEK DUVAL	FL	2.40 MHHW	30/1850 USGS
30.4483	-81.5183			
JAKF1	CEDAR RIVER AT DUVAL	FL	2.86 MHHW	30/1900 USGS
30.2819	-81.7406			
DCDF1	DUNN CREEK AT D DUVAL	FL	2.12 MHHW	30/1915 USGS
30.4550	-81.5969			
BRJF1	BROWARD RIVER B DUVAL	FL	2.40 MHHW	30/1945 USGS
30.4433	-81.6683			
PCUF1	POTTSBURG CREEK DUVAL	FL	2.71 MHHW	30/1900 USGS
30.2869	-81.5700			

REMARKS:

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			

GILCHRIST	0	0	0
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A FEW TREES WERE BLOWN DOWN ACROSS THE COUNTY.

NASSAU	0	0	0
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THE EASTERN PORTION OF THE COUNTY EXPERIENCED [STORM SURGE](#) AND [TROPICAL STORM](#) FORCE WINDS, MAINLY IN GUSTS. AT 12:54 PM ON THURSDAY 9/29, THE NOS [TIDE GAGE](#) AT FERNANDINA BEACH REACH A PEAK [SURGE HEIGHT](#) OF 3.35 [FT](#) MHHW DATUM. [MODERATE FLOODING](#) BEGINS AT 2.5 [FT](#) MHHW AND [MAJOR FLOODING](#) BEGINS AT 3.5 [FT](#) MHHW. [STORM SURGE HEIGHT](#) AT THIS LOCATION WAS JUST BELOW IRMA LEVELS IN 2017, WHICH WAS 3.58 [FT](#) MHHW. AT 12:55 PM ON THURSDAY 9/29, EMERGENCY MANAGEMENT REPORTED

[STORM SURGE](#) FLOODING NEAR [HURRICANE](#) IRMA LEVELS IN FERNANDINA BEACH. AT 2 PM ON THURSDAY 9/29, THE FERNANDINA BEACH FIRE CHIEF REPORTED MINOR DAMAGE TO THE FERNANDINA BEACH HARBOR MARINA. THE RAMP WAS IN THE WATER AND BOBBING ALONGSIDE FLOATING DOCKS. FERNANDINA BEACH HIGH SCHOOL WAS ALSO DAMAGED. PINEY ISLAND ALONG THE AMELIA RIVER EXPERIENCED [STORM SURGE](#) INUNDATION WHERE [NUMEROUS](#) STREETS WERE FLOODED. TREE AND STRUCTURE DAMAGE WAS REPORTED ACROSS THE COUNTY. PEAK WINDS INCLUDED AT [WIND GUST](#) OF 49 MPH AT THE FERNANDINA BEACH AIRPORT AT 12:15 PM AND 12:35 PM ON 9/29. PEAK SUSTAINED WINDS OF 35 TO 36 MPH WERE RECORDED AT BOTH 11:55 AM AND THEN 12:15 PM, RESPECTIVELY. A PRIVATE WEATHER STATION IN YULEE MEASURED A PEAK [WIND GUST](#) OF 51 MPH AT 11:50 AM ON 9/29. THE PEAK [SUSTAINED WIND](#) SPEED MEASURED AT THIS LOCATION WAS 36 MPH AT 2:14 PM.

COLUMBIA 0 0 0

A TREE FELL ON A HOME AND THE RESIDENT WAS DISPLACED BUT NOT INJURED. THIS EVENT HAPPENED ON 9/28 ASSOCIATED WITH STRONG NOR`EASTER WIND GUSTS AHEAD OF IAN RAINBANDS.

PUTNAM 0 0 0

MAJOR [RIVER FLOODING](#) OF THE ST JOHNS RIVER AND ITS TRIBUTARIES OCCURRED DUE TO TRAPPED [TIDES](#), STRONG [TROPICAL STORM](#) FORCE WINDS AND [STORM SURGE](#). MINOR [RIVER FLOODING](#) BEGAN ON WEDNESDAY 9/28 AND AS STRONG ENE WINDS INCREASED AROUND IAN INTO THURSDAY, THE RIVER ROSE INTO MODERATE [FLOOD](#) STATUS WEDNESDAY NIGHT INTO EARLY THURSDAY MORNING. THE PEAK [STORM SURGE](#) INUNDATION AT DUNNS [CREEK](#) OCCURRED THURSDAY NIGHT AT 10:15 PM WITH TOTAL WATER INUNDATION OF 3.73 [FT](#) MHHW DATUM. THIS WAS A NEW RECORD FOR THIS LOCATION AND SURPASSED THE OLD RECORD OF 3.67 [FT](#) PREVIOUSLY ON 10/7/2016 WITH [HURRICANE](#) MATTHEW. [MAJOR FLOODING](#) AT THIS LOCATION BEGINS AT 3 [FT](#) MHHW. THE PEAK [STORM SURGE](#) INUNDATION AT BUFFALO BLUFF ALSO OCCURRED THURSDAY EVENING AT 11 PM WITH A PEAK [SURGE](#) OF 3.36 [FT AGL](#) MHHW DATUM. THIS WAS ALSO A NEW RECORD FOR THAT LOCATION AND SURPASSED THE OLD RECORD STAGE OF 3.2 [FT](#) MHHW PREVIOUSLY SET ON 10/7/2016 WITH [HURRICANE](#) MATTHEW. [MAJOR FLOODING](#) FOR THIS LOCATION BEGINS ABOVE 3 [FT](#) MHHW. AT 7 PM ON THURSDAY 9/29, SEVERAL HOMES FLOODED IN THE RIVER PARK WEST SUBDIVISION IN FRUITLAND, NEAR LAKE GEORGE. WIDESPREAD, PERSISTENT [RIVER FLOODING](#) CONTINUED THROUGH THE FOLLOWING WEEKEND (10/1 AND 10/2) WITH FLOODING IN THE MAJOR TO MODERATE CATEGORIES AND INUNDATION OF DOZENS OF HOMES IN WELAKA AND SATSUMA.

CLAY 0 0 0

ST. JOHNS [RIVER FLOODING](#) AND WIND DAMAGE FROM [TROPICAL STORM](#) FORCE WINDS IMPACTED CLAY COUNTY. AT 5:06 PM ON THURSDAY 9/29, THE PUBLIC REPORTED [RIVER FLOODING](#) ALONG THE ST. JOHNS RIVER BETWEEN GREEN COVE SPRINGS AND RACY POINT. A VIDEO SHOWED THE [RIVER FLOODING](#) NEARING RESIDENTIAL PROPERTY AND WAS COMPARED TO [RIVER FLOODING](#) AT THAT LOCATION SIMILAR TO [HURRICANE](#) MATTHEW IN 2016. ON FRIDAY 9/30, THE BUCKMAN BRIDGE [TIDE GAGE](#) ON THE ST. JOHNS RIVER PEAK AT 3.04 [FT](#) MHHW DATUM. [MAJOR FLOODING](#) BEGINS ABOVE 3 [FT](#) MHHW AT THIS LOCATION.

ALACHUA 0 0 0

WIND GUSTS TO [TROPICAL STORM](#) FORCE WERE REPORTED IN ALACHUA COUNTY. AT 5:44 AM ON THURSDAY SEPTEMBER 29, THE GNV [ASOS](#) AT THE GAINESVILLE

REGIONAL AIRPORT MEASURED A [WIND GUST](#) TO 52 MPH. AT 9:53 AM, THE GNV [ASOS](#) MEASURED A [WIND GUST](#) OF 54 MPH. AT 11:09 AM ON 9/29, THE GNV [ASOS](#) MEASURED A PEAK [WIND GUST](#) OF 59 MPH.

CAMDEN 0 0 0

THE COUNTY EXPERIENCED [STORM SURGE](#) INUNDATION AT THE COAST AND INTO THE ST. MARY'S RIVER. AT 1:48 PM ON 9/29, THE EMERGENCY MANAGER REPORTED [STORM SURGE](#) INUNDATION INTO THE SUBMARINE MUSEUM IN ST. MARY'S. PEAK WINDS RANGED FROM GUSTS OF 35 MPH AT THE STAFFORD RAW'S STATION ON CUMBERLAND ISLAND BEFORE THE SENSOR FAILED TO 47 MPH ON 9/29 AT A GDOT SENSOR NEAR INTERSTATE 95 AND THE ST. MARY'S RIVER. PEAK [TROPICAL STORM](#) FORCE WINDS OCCURRED AT KINGS BAY BETWEEN 1 PM AND 2 PM ON THURSDAY, 9/29. THE PEAK SUSTAINED SPEED WAS 40 MPH WITH A [GUST](#) TO 59 MPH.

FLAGLER 0 0 0

THE COUNTY EXPERIENCED STRONG [TROPICAL STORM](#) FORCE WINDS WITH GUSTS TO [HURRICANE](#) FORCE, FLOODING [RAINFALL](#) AND [STORM SURGE](#) INUNDATION FROM [HURRICANE](#) IAN. [TROPICAL STORM](#) FORCE WIND GUSTS WERE RECORDED ON WEDNESDAY EVENING 9/28 AT 9:31 PM WHEN THEN [MESONET](#) STATION AT MARINELAND MEASURED A [WIND GUST](#) TO 55 MPH. AT 11:40 PM ON 9/28, THE SAME STATION MEASURED A [WIND GUST](#) OF 58 MPH. AT 12:50 AM ON THURSDAY 9/29, THE STATION MEASURED A [WIND GUST](#) OF 64 MPH AND THEN AT 4:30 AM THE STATION MEASURED A [GUST](#) TO 68 MPH. AT 5:35 AM ON 9/29, A [MESONET](#) STATION ABOUT 1 MILE ESE OF FLAGLER BEACH MEASURED A [WIND GUST](#) TO 59 MPH. AT 6:40 AM, THE MARINELAND [MESONET](#) MEASURED A [SUSTAINED WIND](#) OF 66 MPH WITH A [WIND GUST](#) TO 71 MPH. AT 7:40 AM ON 9/29, A [MESONET](#) STATION 2 MILES EAST OF PALM COAST MEASURED A [WIND GUST](#) OF 57 MPH. AT 8:15 AM, A [MESONET](#) STATION 1 MILES ESE OF FLAGLER BEACH MEASURED A [WIND GUST](#) OF 64 MPH. LATER THAT AFTERNOON, THE MARINELAND [MESONET](#) STATION REPORTED A [WIND GUST](#) OF 68 MPH. THE HIGHEST [WIND GUST](#) IN THE COUNTY WAS NEAR 80 MPH MEASURED AT THE MARINELAND WEATHERSTEM STATION. WIND GUSTS TO 80 MPH STARTED AROUND 6:07 AM ON THURSDAY 9/29 AT THIS LOCATION AND CONTINUED THROUGH ABOUT 6:18 AM, THEN ANOTHER RAINBAND AROUND 7:40 TO 7:49 AM PRODUCED ANOTHER ROUND OF WIND GUSTS TO 80 MPH WHEN THE PEAK [SUSTAINED WIND](#) AT THIS LOCATION OF 71 MPH OCCURRED AT 8:05 AM. THE [TIDE GAGE](#) AT PELLICER [CREEK](#) ROSE INTO MODERATE [FLOOD](#) STAGE (ABOVE 1.8 [FT](#) MHHW DATUM) DURING HIGH [TIDE](#) EARLY THURSDAY MORNING. THE PEAK [STORM SURGE](#) INUNDATION AT THIS STATION WAS 4.29 [FT](#) MHHW WHICH OCCURRED AT 2:45 PM ON 9/29. MAJOR FLOODING BEGINS AT THIS LOCATION AT 3.3 [FT](#) MHHW. THE STAGE MEASURED WITH IAN WAS JUST BELOW THE RECORD FOR THIS STATION WHICH WAS 4.34 [FT](#) MHHW SET IN 2017 BY [HURRICANE](#) IRMA. BY 4:30 PM, THE EMERGENCY MANAGER REPORTED [STORM SURGE](#) INUNDATION AT MARINELAND WHERE [SURGE](#) FLOODING WHITNEY LAB BUILDINGS. THE FLAGLER BEACH PIER WAS SEVERELY DAMAGED BY [STORM SURGE](#) AND HIGH WAVES. THE RIVER [GAGE](#) AT HAW [CREEK](#) ABOVE RUSSELL LANDING ROSE INTO MAJOR [FLOOD](#) STAGE (ABOVE 6 [FT](#)) AROUND 10:55 AM ON THURSDAY 9/29. MOST OF THIS RISE WAS DUE TO EXCESSIVE [RAINFALL](#). ON FRIDAY MORNING 9/30 AROUND 10:15 AM, THE [GAGE](#) ROSE ABOVE 8.0 [FT](#) WHICH IS ABOVE RECORD FOR THIS LOCATION. THE RECORD OF 8.0 [FT](#) WAS PREVIOUSLY SET IN 2017 WITH [HURRICANE](#) IRMA. THE HAW [CREEK GAGE](#) CONTINUED TO RISE TO A NEW RECORD LEVEL OF 8.67 [FT](#) BY EARLY SUNDAY MORNING 10/2. ON FRIDAY 9/30 AT 10:50 AM, AND [NWS](#) EMPLOYEE REPORTED EXTENSIVE [COASTAL FLOODING](#) OCCURRED ON SOUTH FLAGLER AVENUE AND SOUTH 23RD STREET IN FLAGLER BEACH. THE ROADWAY WAS IMPASSABLE. THIS FLOODING WAS TOTAL WATER FLOODING FROM STORM

[SURGE](#), HIGH [TIDES](#) AND HEAVY [RAINFALL](#). AT 11:45 AM, EMERGENCY MANAGEMENT REPORTED ABOUT 2 FEET OF [FLOOD](#) WATER FROM DEAD LAKE INTO THE BULL [CREEK](#) FISH CAMP. AT 5:43 PM, THE FLAGLER BEACH FIRE RESCUE REPORTED ONE RESCUE ABOUT 1 MILE SSE OF FLAGLER BEACH WHERE A HOME WAS FLOODING ALONG SOUTH FLAGLER AVENUE DUE TO TIDAL FLOODING IN THE [WAKE](#) OF IAN. THERE WAS SIGNIFICANT TIDAL FLOODING NEAR SOUTH 23RD STREET IN FLAGLER BEACH. ON 10/1, THE EMERGENCY MANAGER REPORTED TIDAL FLOODING AT 1730 ALONG SOUTH FLAGLER AVE AT SOUTH 23RD STREET, BUT A BIT LOWER THAN PREVIOUS [TIDE](#). WATER FLOODED THE BULL [CREEK](#) RESTAURANT AT THE END OF CR 2006 AT ST. JOHNS PARK. THERE WAS ABOUT 2 FEET OF WATER IN THE BUILDING THAT FLOODED FROM DEAD LAKE / HAW [CREEK](#). [RAINFALL](#) FLOODING CAUSED EXTENSIVE DAMAGE. AT 8:03 AM ON 9/29, AN AMATEUR RADIO OPERATOR REPORTED FLOODING ON SR-100 WEST OF THE STATE ROAD 100 OVERPASS. THERE WAS ABOUT 6-12 INCHES OF WATER COVERING THE ROAD. AT 8:05 AM, THE EMERGENCY MANAGER REPORTED STREET FLOODING ALONG BURROUGHS DRIVE AND BUFFALO GROVE PLACE NEAR BELLE TERRE PARKWAY. STREETS WERE IMPASSABLE IN THE AREA DUE TO [FLOOD](#) WATER. BY 12:13 PM, A PUBLIC REPORTED INDICATED WIDESPREAD [FLASH](#) FLOODING ABOUT 3 MILES NORTH OF PALM COAST. HEAVY [RAINFALL](#) AND [SURGE](#) COMBINED TO PRODUCE WIDESPREAD TOTAL WATER FLOODING ACROSS THE COUNTY AT THE FOLLOWING LOCATIONS: STATE ROAD 100 BRIDGE EASTBOUND WAS CLOSED UNTIL FURTHER NOTICE; FLOODING OF MARINELAND AT THE COUNTY BORDER DUE TO A DUNE [BREACH](#); MOODY BOAT LAUNCH IN FLAGLER BEACH; SURFSIDE ESTATES IN BEVERLY BEACH; MALACOMPRA CANAL; BINGS LANDING; SEA TRAIL NEAR [SEA BREEZE](#) IN PALM COAST; AND STATE ROAD 100 FROM THE FLAGLER GOVERNMENT CENTER TO THE POST OFFICE IN BUNNELL. SIGNIFICANT DUNE [EROSION](#) OCCURRED AT THE FOLLOWING LOCATIONS: JUNGLE HUT ROAD BEACH ACCESS; 16TH ROAD OLD SALT PARK; MALACOMPRA ROAD BEACH ACCESS; STATE ROAD A1A AT 21ST STREET SOUTH; STATE ROAD A1A AT 26TH STREET SOUTH; THE BEACH ACCESS RAMP AT STATE ROAD 100 AND STATE ROAD A1A; DUNE OVER-WASH AT WASHINGTON OAKS STATE GARDENS; AND DUNE OVER-WASH ON STATE ROAD A1A FROM SOUTH 16TH TO SOUTH 10TH IN FLAGLER BEACH. THIS WILL COME WITH COASTAL, INTRACOASTAL, CRESCENT LAKE AND DEAD LAKE AREA FLOODING FOR A FEW MORE [TIDE](#) CYCLES THAT MAY IMPACT HOMES. [RAINFALL](#) TOTALS BETWEEN 9/28 AND 9/30 RANGED FROM A MAXIMUM OF 15.0 INCHES AT THE CITY OF BUNNELL WASTE WATER PLANT TO 6.0 INCHES AT THE PALM COAST LIBRARY. MOST MEASURED [RAINFALL](#) RANGED BETWEEN 8 AND 11 INCHES.

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BRANTLEY COUNTY HAD REPORTS OF 4 TREES DOWN, 1 BRUSH FIRE, 1 WOODS FIRE DUE TO TREES FALLING ON [POWER](#) LINES, AND [NUMEROUS POWER](#) OUTAGES WHICH WERE RESTORED WITHIN AN HOUR OF THE LOSS.

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STRONG [TROPICAL STORM](#) FORCE WINDS AND [STORM SURGE](#) IMPACTED DUVAL COUNTY. ON WEDNESDAY 9/28 AT 1:43 PM, A [MESONET](#) STATION AT HUGUENOT PARK MEASURED A SUSTAINED SPEED OF 41 MPH WITH A [WIND GUST](#) TO 51 MPH. BY 5:13 PM, THE SAME STATION MEASURED A PEAK [WIND GUST](#) OF 61 MPH. AT 7:15 PM, LOCAL BROADCAST MEDIA REPORTED A LARGE TREE WAS BLOWN DOWN ON A [POWER](#) LINE AT THE JACKSONVILLE BEACH GOLF COURSE. AT 7:41 PM, THE MAYPORT [AWOS](#) STATION MEASURED SUSTAINED NE WINDS OF 41 MPH WITH A [GUST](#) TO 55 MPH. BY 7:58 PM, THE HUGUENOT PARK [MESONET](#) SITE MEASURED SUSTAINED WINDS OF 44 MPH WITH A [GUST](#) TO 56 MPH. BY 10:33 PM, THE SAME STATION MEASURED A [WIND GUST](#) OF 62 MPH FROM THE NE. AT 10:40 PM, A [MESONET](#) STATION ABOUT 1 MILE ENE OF FORT CAROLINE

MEASURED A [WIND GUST](#) OF 64 MPH FROM THE NE. ON THURSDAY 9/29, THE HUGUENOT PARK [MESONET](#) SITE MEASURED A [WIND GUST](#) OF 65 MPH FROM THE NNE AT 1:08 AM. AT 4:45 AM, THE [MESONET](#) STATION NEAR FORT CAROLINE MEASURED A [WIND GUST](#) OF 65 MPH FROM THE NNE. AT 5:22 AM, THE MAYPORT [AWOS](#) MEASURED A [WIND GUST](#) OF 58 MPH FROM THE NE. AT 5:30 AM, A [MESONET](#) STATION 1 MILE NNE OF JACKSONVILLE BEACH MEASURED A PEAK [WIND GUST](#) OF 58 MPH FROM THE N. AT 5:35 AM, LOCAL BROADCAST MEDIA RELAYED A [REPORT](#) THAT AT RETAIL SIGN WAS BLOWN DOWN NEAR THE INTERSECTION OF BAYMEADOWS ROAD AND OLD KINGS ROAD SOUTH NEAR MANDARIN. AROUND THE TIME OF THE REPORTED DAMAGE, THE NAVAL AIR STATION JACKSONVILLE [AWOS](#) STATION KNIP ON THE ST. JOHNS RIVER MEASURED A [WIND GUST](#) OF 52 MPH AT 5:47 AM. AT 7:10 AM, THE [MESONET](#) STATION 1 MILE ENE OF FORT CAROLINE MEASURED SUSTAINED TROPICAL STORM FORCE WINDS OF 41 MPH WITH A [GUST](#) TO 62 MPH. AT 7:50 AM, A [MESONET](#) SITE 1 MILE NNE OF JACKSONVILLE BEACH MEASURED A SUSTAINED WIND OF 50 MPH WITH A [GUST](#) TO 53 MPH. AT 8:53 AM, THE [MESONET](#) SITE 1 MILE ENE OF JACKSONVILLE BEACH MEASURED A SUSTAINED WINDS OF 50 MPH WITH A [GUST](#) TO 65 MPH. AT 8:28 AM, THE [MESONET](#) SITE A HUGUENOT PARK MEASURED SUSTAINED WINDS OF 56 MPH WITH A [GUST](#) TO 68 MPH. AT 8:30 AM, A [MESONET](#) STATION 1 MILE NNE OF JACKSONVILLE BEACH HAD A WIND [GUST](#) TO 56 MPH. AT 8:41 AM, THE MAYPORT [AWOS](#) HAD A [SUSTAINED WIND](#) OF 45 MPH WITH A [GUST](#) TO 58 MPH. AT 9:20 AM, THE [MESONET](#) SITE ABOUT 1 MILE NNE OF JACKSONVILLE BEACH HAD A [GUST](#) TO 62 MPH. AT 9:55 AM, THE SAME STATION MEASURED A PEAK [WIND GUST](#) OF 67 MPH. AT 11:43 AM, THE HUGUENOT PARK [MESONET](#) STATION MEASURED A [SUSTAINED WIND](#) OF STRONG [TROPICAL STORM](#) FORCE AT 58 MPH WITH A [GUST](#) TO 70 MPH. AT 12:13 PM, THE SAME STATION MEASURED A [WIND GUST](#) OF 72 MPH. AT 12:40 PM, THE JACKSONVILLE FIRE RESCUE DEPARTMENT STATION 40 ABOUT 2 MILES WNW OF MAYPORT MEASURED A [WIND GUST](#) OF 54 MPH. AT 12:48 PM, THE CRAIG AIRPORT [ASOS](#) KCRG MEASURED A WIND OF 60 MPH. AT 1:10 PM, A [MESONET](#) STATION 1 MILE NNE OF JACKSONVILLE BEACH MEASURED A [WIND GUST](#) OF 60 MPH. AT 1:46 PM, DOWNED TREES WERE BLOWN DOWN ON NAVAL AIR STATION JACKSONVILLE PROPERTY DUE TO STRONG [TROPICAL STORM](#) FORCE WINDS. SOME TREES FELL ONTO RESIDENTIAL STRUCTURES AND TWO FAMILIES WERE DISPLACED. AT 2:52 PM, THE [AWOS](#) AT MAYPORT MEASURED [WIND GUST](#) OF 62 MPH. WIDESPREAD [POWER](#) OUTAGES OCCURRED ACROSS THE COUNTY. DURING THE PEAK OF THE STORM, THE JACKSONVILLE ELECTRIC AUTHORITY REPORTED ABOUT 20K OUTAGES. THERE WAS ABOUT 3 TO 4 FEET OF [STORM SURGE](#) INUNDATION ALONG THE DUVAL COUNTY ATLANTIC COAST WITH 2 TO 3 FEET OF INUNDATION ALONG THE ST. JOHNS RIVER [BASIN](#). THE PEAK [SURGE](#) AT MAYPORT WAS 2.49 [FT](#) MHHW DATUM AROUND 12:24 PM ON THURSDAY, 9/29. [MODERATE FLOODING](#) BEGINS AT 2.3 [FT](#) MHHW AND [MAJOR FLOODING](#) BEGINS AT 3.3 [FT](#) MHHW AT THIS LOCATION. [STORM SURGE](#) INUNDATION WAS REPORTED ALONG THE INTRACOASTAL WATERWAY NEAR HAMMOCKS OF OAK LANDING NEIGHBORHOOD AROUND 2:56 PM ON THURSDAY 9/29. THE WATER LEVEL WAS COMPARABLE TO [HURRICANE](#) IRMA [STORM SURGE](#) AT THE TIME, POSSIBLY A FEW INCHES HIGHER. AT 3:18 AM ON FRIDAY 9/30, THE ST. JOHNS RIVER GAUGE AT THE MAIN STREET BRIDGE IN DOWNTOWN JACKSONVILLE MEASURED A PEAK [STORM SURGE](#) INUNDATION OF 2.48 [FT](#) MHHW DATUM. [MODERATE FLOODING](#) BEGINS AT 2 [FT](#) MHHW AT THIS LOCATION. AT 4 AM, THE CEDAR RIVER [TIDE](#) GAUGE PEAKED AT 2.64 [FT](#) MHHW DATUM. [MODERATE FLOODING](#) BEGINS AT 2 [FT](#) MHHW AT THIS LOCATION. AT 4 AM, THE POTTSBURG [CREEK TIDE](#) GAUGE AT BEACH BLVD (U.S. HIGHWAY 90) PEAKED AT 2.50 [FT](#) MHHW DATUM. MODERATE TIDAL FLOODING BEGINS AT 2.2 [FT](#) MHHW AT THIS LOCATION. AT 2:26 PM, THE MAIN STREET [TIDE](#) GAUGE MEASURED IT'S PEAK [STORM SURGE](#) VALUE WITH IAN OF 2.71 [FT](#) MHHW. AT 4:30 PM, TIDAL FLOODING FLOODED SOME BUSINESSES IN SAN MARCO ALONG LASALLE STREET AND SAN MARCO BLVD WAS CLOSED DUE TO THE FLOODING. AT 5 PM, THERE WAS MINOR TIDAL FLOODING

IN RIVER NEAR MEMORIAL PARK. IN ATLANTIC BEACH, AT LEAST ONE BEACH WALKOVER AT 6TH STREET WAS LOST.

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ST. JOHNS COUNTY EXPERIENCED STRONG [TROPICAL STORM](#) FORCE WINDS WITH GUSTS NEAR [HURRICANE](#) FORCE, [STORM SURGE](#) INUNDATION AND FRESHWATER [RAINFALL](#) FLOODING AS A RESULT OF [HURRICANE](#) IAN. THE COUNTY SHERIFF REPORTED LESS THAN 40 RESCUES WERE MADE DURING THE STORM. EMERGENCY RESOURCES RESPONDED TO OVER 300 CALLS FOR SERVICE. [TROPICAL STORM](#) FORCE WINDS STARTED WEDNESDAY NIGHT 9/28. AT 7 PM, THE ST. AUGUSTINE [C](#)-MAN STATION SAUF1 REPORTED NE WINDS 39 MPH WITH GUSTS TO 47 MPH. AT 10 PM, THE [C](#)-MAN REPORTED NNE WINDS SUSTAINED AT 45 MPH WITH A [GUST](#) TO 55 MPH. AT 10:20 PM, A [MESONET](#) STATION ABOUT 2 MILES SSE OF SOUTH PONTE VEDRA BEACH RECORDED A [WIND GUST](#) FROM THE NE OF 56 MPH. AT 10:55 PM, A [MESONET](#) SITE ABOUT 2 MILES NW OF ST. AUGUSTINE CALLED XLWS LEWIS MEASURED A [WIND GUST](#) FROM THE NNE OF 59 MPH. ON THURSDAY 9/29 AT 6 AM, THE SAUF1 [C](#)-MAN STATION MEASURED A [SUSTAINED WIND](#) OF 46 MPH WITH A [GUST](#) TO 56 MPH. AT 7 AM, THE [C](#)-MAN MEASURED A [SUSTAINED WIND](#) OF 54 MPH WITH A [GUST](#) TO 57 MPH. AT 9 AM, THE [C](#)-MAN MEASURED A [SUSTAINED WIND](#) OF 49 MPH WITH A [GUST](#) TO 57 MPH. AT 9:06 AM, THE [AWOS](#) AT THE ST. AUGUSTINE AIRPORT (KSGJ) MEASURED A [WIND GUST](#) OF 52 MPH. AT 9:50 AM, A [MESONET](#) STATION IN THE CITY OF ST. AUGUSTINE MEASURED SUSTAINED WINDS OF 44 MPH WITH A [GUST](#) TO 49 MPH. AT 9:55 AM, A [MESONET](#) SITE XLWS LEWIS ABOUT 2 MILES NW OF ST. AUGUSTINE MEASURED A [WIND GUST](#) TO 61 MPH. AT 10 AM, THE [C](#)-MAN STATION MEASURED SUSTAINED WINDS OF 53 MPH WITH A [GUST](#) TO 61 MPH. AT 2:15 PM, THE LEWIS [MESONET](#) SITE MEASURED A [WIND GUST](#) TO 63 MPH. AT 3 PM, THE [C](#)-MAN STATION MEASURED A SUSTAINED WINDS OF 58 MPH (STRONG [TROPICAL STORM](#) FORCE) WITH A [GUST](#) TO 67 MPH. [STORM SURGE](#) AND HEAVY [RAINFALL](#) FLOODING BEGIN IN DOWNTOWN ST. AUGUSTINE THE MORNING OF THURSDAY 9/29. AT 9:48 AM, THE PUBLIC REPORTED FLOODING OF AVENIDA MENENDEZ AND THE BRIDGE OF LIONS WAS CLOSED. AT 11:02 AM, EMERGENCY MANAGEMENT REPORTED [FLASH](#) FLOODING IN ST. AUGUSTINE WITH WATER ENTERING HOMES. AT 11:10 AM, FLOODING OF KING STREET WAS REPORTED IN ST. AUGUSTINE. AT 11:53 AM, FIRE RESCUE IN ST. AUGUSTINE REPORTED [STORM SURGE](#) FLOODING WAS NEAR OR SLIGHTLY EXCEEDED [HURRICANE](#) MATTHEW LEVELS IN 2016. AT 12:02 PM, EMERGENCY MANAGEMENT REPORTED [STORM SURGE](#) INUNDATION ABOUT 1 MILE SOUTH OF VILANO BEACH WHERE THE INTRACOASTAL WATERWAY BRIDGE APPROACHES WERE CUT-OFF BY [STORM SURGE](#) FLOODING. [MAJOR FLOODING](#) WAS REPORTED ON A1A NEAR NORTH VILANO BEACH. AT 12:05 PM, COUNTY EMERGENCY MANAGEMENT REPORTED [NUMEROUS](#) ROAD CLOSURES ALONG THE COASTLINE WERE IMPASSABLE DUE TO [STORM SURGE](#) INUNDATION. AT 12:44 PM, BROADCAST MEDIA REPORTED FROM THE DAVIS SHORES AREA OF ST. AUGUSTINE ON ANASTASIA ISLAND AND SHOWED MAJOR [STORM SURGE](#) FLOODING INUNDATION WITH LEVELS NEAR THAT OF [HURRICANE](#) MATTHEW IN 2016. THIS FLOODING INFILTRATED HOMES IN THE NEIGHBORHOOD. AT 1:58 PM, A WEATHERSTEM CAMERA ON THE GROUNDS OF MARINELAND SHOWED [STORM SURGE FLOOD](#) WATER INTO THE WHITNEY LAB. AT 2:45 PM, THE PELLICER [CREEK TIDE](#) GAUGE PEAKED AT 4.29 [FT](#) MHHW DATUM. THE LEVEL WAS JUST BELOW THE RECORD VALUES OF 4.34 [FT](#) MHHW SET DURING [HURRICANE](#) MATTHEW. [MAJOR FLOODING](#) BEGINS AT THIS LOCATION ABOVE 3.3 [FT](#) MHHW. AT 7:30 PM, THE ST. JOHNS RIVER [TIDE](#) GAUGE AT RACY POINT PEAKED AT 3.66 [FT](#) MHHW DATUM. [MAJOR FLOODING](#) BEGINS AT 3 FEET MHHW FOR THIS LOCATION. AN [NWS](#) EMPLOYEE REPORTED 3-4 [FT](#) OF [STORM SURGE](#) INUNDATION ALONG THE MATANZAS RIVER JUST SOUTH OF ST. AUGUSTINE. AT 5 AM FRIDAY 9/30, THE [TIDE](#) GAUGE ALONG DEEP [CREEK](#) REACHED A STAGE OF 5.18 [FT](#) MHHW DATUM DUE TO THE COMBINATION OF

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