

U. S. DEPARTMENT OF COMMERCE

Luther H. Hodges, Secretary

WEATHER BUREAU

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# STORM DATA

NOVEMBER 1962

Volume 4 No. 11



ASHEVILLE: 1962

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 1962

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA			None	reported					
ALASKA			None	reported					
ARIZONA			None	reported					
ARKANSAS			None	reported					
CALIFORNIA			None	reported					
COLORADO			None	reported					
CONNECTICUT			None	reported					
DELAWARE	No report received by printing deadline.								
FLORIDA									
Miami Dade Co.	9	4:00 am	1	Narrow	0	1	3		Tornado
	Tornado dipped down briefly from a large thunderstorm cell in an area near the Aviation Building on N. W. 27th Avenue. Storm moved north-northeastward.								
Lake Bryant Ranger Station Marion Co.	21	9:45 pm	3	70	0	0	5°	C	Tornado
	Storm moved through timbered area east of Ocala, hit Lake Bryant Ranger Station destroying several buildings. Storm moved on to Camp Kiwanis where a newly constructed dormitory was nearly demolished. Timber in the path of this storm sustained considerable damage.								
East Florida Coast, Fernandina Beach to Florida Keys.	Nov. 26 to Dec. 4		Continuous		0	0	6		Wind and Tides
	Deep and persistent Atlantic storm off the southeastern U. S. coast produced continuous strong on-shore winds along almost entire coast of Florida for several days. Resulting rough seas and high tides over an extended period produced considerable beach erosion and undermined buildings and roads along the immediate coast. Some tidal flooding noted along coast. Greatest damages from erosion noted along northeast Florida coast. Winds on the mainland, although persisting for several days, caused only minor damages as storm center remained well off-shore.								
GEORGIA									
Senola, Coweta County	21	p.m.	Short	Narrow	0	0	4	0	Tornado and rain
	A small tornado demolished a garage and heavily damaged several roofs at Senola. Trees were blown across power lines causing service interruption. Heavy rains in several areas of State caused some flash flooding.								
HAWAII									
IDaho Northern Counties	19-20	Evening to early morning					5		Wind
	Area from Latah County to Canadian border and eastward to Montana affected by winds reaching 60 m.p.h. or more. Principal damage was to timber, particularly in Coeur d'Alene National Forest. In some areas as large as 10 acres, blowdown was estimated at 50-60%. Scattered damage to roofs, windows and small structures, as well as widespread power and telephone outage, reported throughout area. Some damage to boats and docks on Lake Pend Oreille. Historic Millan Tree, 160 ft. white pine in Fourth of July Canyon, snapped off about 15 ft. from base.								
ILLINOIS									
INDIANA									
IOWA									
KANSAS									
KENTUCKY									
LOUISIANA									
Morehouse Parish	11	4:15 p.-4:45 p.			0	0	6	0	Hail
	Hail averaging 3/4 inch fell throughout parish damaging rooftops. Approximately three-quarters of ground covered. Largest hail, 1-1/2-inch diameter, lasted about 10 minutes at Bastrop and caused most damage there. Storm moved from west to east.								
Caddo Parish	20	7:21 p.			0	0	?	?	Hail
	Hail, 3/4-inch diameter, 3 N Greater Shreveport Airport, but none at Airport.								
MAINE									
Coastal	11				0	0	4	0	Tidal
	Gale winds swelled tidal waters to ground 3 feet above normal causing some lowland flooding.								
Northwestern portion	11				0	0	4	0	Wind, snow
	Storm yielded up to 15 inches of snow over extreme northern and extreme northwestern parts of the state. A number of utility service poles were downed by the snow and wind. St. John River valley took the brunt of the storm.								
MAINE (Cont'd)									
Southeastern section	14-15				0	0	4	0	Snow
	First major snowstorm of the season in this part of the state yielded up to 20 inches around Bangor and more than 10 inches elsewhere in the area. Transportation was hard hit. Many schools and business firms were closed on the 15th. Many scheduled group meetings were cancelled through the 17th.								
MARYLAND									
MASSACHUSETTS									
Coastal	3	All day			0	0	5	0	Tidal
	Northeast storm with gale winds gusting to 65 m.p.h. brought tides of 2 to 4 feet above normal. Coastal lowlands were subjected to minor flooding while seawalls and shore lines took a beating from a heavy surf. Some small boats and pleasure craft were ripped from their moorings and piled against the rocks. Wet leaves on highways made driving conditions hazardous.								
Statewide	10-11				0	0	4	0	Wind, tidal
	Winds, up to 55 m.p.h. or higher, from the northeast on the 10th shifting to northwest on the 11th caused widespread minor local damage. Tides were about 2 feet above normal on the 10th and some coastal lowlands experienced minor flooding.								
Coastal	14-15				11	0	6	0	Tidal, wind
	A huge and violent storm in the North Atlantic lashed coastal areas with gale force winds that gusting to hurricane velocities over Cape Cod. Heavy surf pounded coastal installations and sank or damaged small craft at their moorings. Many sections of Cape Cod and Nantucket Island were awash. These areas were hardest hit by the storm. Low spots on the mainland were flooded. Exposed surfaces in critical areas were sandblasted. Northerly gales did widespread damage. Shingles were ripped from dwellings, antennas and signs were damaged or wrecked, windows were shattered and large tree limbs were downed. Some communities suffered power and phone outages. A number of fishing vessels at sea, mostly out of New Bedford, were crippled by the churning sea. The scalloper Midnight Sun and her 11-man crew were lost.								
Statewide except Cape Cod	18				0	0	0	0	Snow, ice
	One to 3 inches of snow in all parts of the state except Cape Cod iced up roads causing exceptionally hazardous driving conditions. Fourteen deaths in highway skidding accidents were attributed to the storm.								
Eastern portion and Cape Cod	29-30				0	0	0	0	Smog
	Smog descended over eastern industrial centers and over Cape Cod with such density that snarled traffic blocked major highways, boats were immobilized and airliners were forced to make instrument landings. In the colder spots the smog froze on the streets creating extremely hazardous driving conditions. Numerous accidents were reported.								
MICHIGAN									
Southern and Central Lower Michigan	23	Afternoon and night					5		High winds.
	High winds severed power lines which disrupted service to hundreds of homes throughout the area. Numerous trees toppled by high winds along with flying branches caused serious damage to buildings and homes. Many TV antennas were blown down. Large plate glass windows were blown in by high winds. Varied construction materials were damaged due to being blown about by high winds.								
MINNESOTA									
MISSISSIPPI									
Pike County	11	8:30 p.-9:15 p.			0	0	?	0	Wind
	Two separate wind storms at McComb; the first from the SW had winds up to 50 m.p.h.; the second, about 30 minutes later, from the N had winds up to 60 m.p.h.; both accompanied by heavy rain and some hail.								
Pike County Magnolia	11	9:30 p.			0	0	5	0	Tornado
	Magnolia Fire Chief reported tornado damaged industrial area, North Magnolia. Winds felled and demolished city water tank, 110 ft. tower, pump house and pump. Gymnasium west of water tank partially deroofed. Industrial plant north of tank deroofed, practically all materials and finished articles water soaked. Incinerator toppled, trees downed, and falling wires cut off electrical service in much of Magnolia to 6 am next day.								
South Central and Southeast Divisions									Dry spell
	Extremely dry weather during September and October severely hurt ribbon cane crop in Southeast Mississippi; death of fresh ribbon cane syrup on market. Wallhalla County added to USDA drought relief program for stock growers.								

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS		
MISSOURI				None reported						
MONTANA										
Entire State	19-20	Afternoon and Morning	550	*275	0	4	5	0	High Wind	
					This was one of the most widespread and severe windstorms in Montana's climate history. Wind speeds ranged from 20 miles per hour West of the Divide to 50 and 60 along the eastern slopes of the mountains. One hundred mile per hour or stronger peak gusts were observed in several areas of the central portion. At the Livingston airport a gust of 115 miles per hour was noted. The FAA radio towers were blown over at Cut Bank and Livingston. Damage was reported in the northwest, central, and northeast portions. Power and telephone lines sustained heavy damage. A few larger buildings were damaged, granaries and small farm buildings were blown over, windows broken, TV aerials blown down, storm doors and signs broken, and roofs damaged. Four persons were slightly injured in auto accidents caused by the wind.					
NEBRASKA				None reported						
NEVADA				None reported						
NEW HAMPSHIRE				None reported						
NEW JERSEY										
Atlantic Coast and Baritan Bay areas	3				0	0	4	0	Wind	
					Coastal storm with winds up to 58 mph at Atlantic City Marina, and tides 2 1/2 to 3 feet above normal along the coast. Several duck hunters, stranded in marshes by high water, were rescued by Police and Coast Guard. Some 100 homes in North Wildwood and West Wildwood were surrounded by as much as two feet of water. Many antennas were broken or dislodged by the wind.					
Atlantic Coast area	10				0	0	4	0	Wind	
					Coastal storm with strong winds and high tides caused damage along the coast from Cape May to Sandy Hook. Television antennas were blown down and minor beach flooding was reported.					
South Jersey Coast	27				0	0	0	0	Wind	
					Some dune erosion along coast of southern New Jersey caused by high tides produced by an intense storm off shore.					
NEW MEXICO				None reported						
NEW YORK										
Central and south-western counties	3				0	?	5		Heavy wet snow	
					Early November heavy snowstorm - unusually heavy wet snow for so early in the season affected most central counties northward into the St. Lawrence region and southward through the Southern Tier and southwestern counties. The fall ranged up to 6 inches or more in some sections and was unusually heavy in water content. Damage was widespread to trees, shrubs, power and communication lines. In the Oswego area more than 3000 linemen were used to restore power where officials estimated the storm the worst in ten years. Other areas of the State were affected to a lesser degree. Roads and highways were blocked in many sections and the flow of traffic was disrupted over much of the storm area. Many accidents occurred as a result of the storm.					
New York City and Long Island area	10				0	?	5		Gale winds, high tides, heavy rain	
					Severe coastal storm with gale winds, high tides and heavy rainfall throughout the New York City metropolitan area and parts of Long Island. Heavy rain began about 1 a.m. and continued to about 8 a.m. Winds reached 50 mph or more and were quite destructive to trees, signs, windows and other structures. Rainfall up to 2 1/2 inches or more and the unusually high tide with gale-whipped seas resulted in widespread flooding throughout low-lying areas. Many streets and highways were flooded out with widespread disruption to the flow of big city traffic. Many car accidents resulted. Falling trees and disruption of power and communication channels added to the storm's toll.					
NORTH CAROLINA										
Coastal Plain, Piedmont	9				0	0	5	0	Rain, Wind	
					Rains of from three to five inches over a 24-hour period caused flash flooding in many areas, and accompanying high winds caused widespread minor damage to roofs, trees, power lines and other utilities equipment. Rain caused slick roads and poor visibility, thus contributing indirectly to many traffic accidents, which resulted in at least nine deaths and an unknown number of injuries.					
Avery County	10						4	0	Wind	
					Roof blown off newly constructed tourist center building on Grandfather Mountain. Winds measured over 100 miles per hour and estimated much higher.					
Coast	26-30						6	0	Wind, high seas and tides	
					Unusually persistent low pressure system whose center remained off the coast through December, caused widespread minor wind damage,					
NORTH CAROLINA (Cont'd)										
					with very heavy beach erosion. Sections of protective sand dunes 500 feet or more in length were washed flat in a number of areas, and beaches were cut back as much as 50 feet in width in some places. Beach streets and highways were buried in several feet of sand. Several beach cottages were undermined by the waves, and three of them fell into the surf and were washed up as debris. One ship sank and another was damaged, along with many smaller boats which were battered in port. Windy weather prevailed over the entire State, with an occasional occurrence of minor wind damage inland.					
NORTH DAKOTA									None reported	
OHIO									None reported	
OKLAHOMA										
Northern Bryan County	26	8:00a.-3:00p.			0	0	3	?	Rain	
					Intense rains over area produced amounts near three inches with heavier unofficial 6-inch amounts reported from Caddo to Bokchito. Three county road bridges washed out three miles south of Caddo and local flooding closed US-70 one mile east of Bokchito.					
OREGON										
Northwest Oregon	19-20	From P.M. of 19th to A.M. of 20th			0	0	5	3	Rain	
					Rains producing 24-hour total of over 6 inches at Valsetz and 24-hour amounts of 2-3 inches common to most higher elevations in northern third of western Oregon caused severe flooding in several Willamette tributaries and coastal streams. Flooding was out of proportion to rain. This was due to accumulations of felled trees and other debris along stream banks as a result of October 12 wind storm. As streams rose these were swept into main channel, soon forming temporary dams that sent rivers over banks, or which gave way after backing up considerable water. This produced waves of water and logs which battered bridges and other installations along the streams. Meadow Lake dam in headwaters of Nestucca River gave way destroying large number of bridges along its course; also flooding several summer homes. Johnson Creek in southeast Portland inundated approximately 700 acres when flooding occurred here.					
Western Oregon	25-26	Most of both days			0	0	5	2	Rain and Wind	
					Strong winds reaching 85 mph in gusts at Astoria Weather Bureau Airport Station began moving on to Oregon coast early on the morning of the 25th. Some power outage caused in north coastal area as well as several buildings extensively damaged, some trees downed including 1200-year old Northwest's largest fir tree. All shipping halted across Columbia River bar by winds for nearly 24 hours. Higher elevation stations throughout western Oregon observed 48-hour totals of 3-5 inches. While number of tributary and coastal streams heading in the Coast Range reached flood stage at one or more points damages were not generally significant. Scouring of channels by storm of previous week did much to reduce flood damage from this one. Several highways suffered severe slide damage due to rain soaked soil produced by this and previous storm.					
PENNSYLVANIA										
Breezewood	9	Night						3	Wind	
					Strong winds downed a number of signs in the area and toppled the rear wall and roof of a home.					
PUERTO RICO										
north coast	16-18	8AM 16th 6PM 18th			4	3	5	0	High sea	
					Unusual high seas caused extensive beach erosion and property damage to twelve north coast towns. Swells gradually increased to 12 feet on the outer reefs the morning of November 16. By early afternoon several streets along the coast were under water. Swell increased to 16 to 18 feet on November 17. In the San Juan area wave heights were estimated at 20 feet on the outer reefs with tides 2 feet above normal. Vessels entering or leaving Bay of San Juan experienced navigational difficulty. Small craft in unprotected areas damaged or destroyed. Late Sunday, November 18, waves receded to 7 to 9 feet. Surface winds at WBO, San Juan during this period were northeasterly, 12 to 14 mph. The abnormal swells which migrated to the eastern Caribbean islands were concurrent with an intense extratropical storm located north of Bermuda.					
					Aguada : One house destroyed, four damaged; 50 persons evacuated. Aguadilla : One house damaged. Arecibo : One death; 75 houses destroyed, 90 damaged; 300 persons from 50 families evacuated. Bareoneta : One house destroyed; 100 persons from 20 families evacuated. Cabo Rojo : Two houses destroyed, two damaged. Camuy : Three houses destroyed, three damaged; 28 persons from six families evacuated. Canovanas : Four houses destroyed; 32 persons from four families evacuated. Luquillo : One house destroyed, four damaged. Isabela : Three persons injured; two houses destroyed, two damaged; 34 persons from three families evacuated. San Juan : Three deaths; 19 houses destroyed; 50 damaged; 590 persons from 89 families evacuated. Vega Alta : 47 persons from six families evacuated.					

See reference notes at end of table.

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NOVEMBER 1962

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
PUERTO RICO (Cont'd)									
RHODE ISLAND									
SOUTH CAROLINA Coast of South Carolina	Nov. 26th - Dec. 3rd				0	0	5	0	Wind storm and tides
SOUTH DAKOTA									
TENNESSEE Shelby County	11	Evening					3		Hail and lightning
TEXAS									
Ropesville Hockley County	25	Night	?	?	0	0	0	?	Hail
San Antonio Bexar County	27	Morning	?	?	0	0	4	0	Rain, flooding
UTAH									
VERMONT									
U.S. VIRGIN IS.									
VIRGINIA Eastern Shore and Tidewater Areas	27-28-29				0	0	6	0	Coastal Storm-tide and wind action.
WASHINGTON									
Entire State	19-20				0	2	6	0	Wind and rain.
Entire State	24-25						5		Wind.

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
WEST VIRGINIA									None reported
WISCONSIN									No report received by printing deadline.
WYOMING									None reported

- \* Miles instead of yards.
- ° Includes crop damage.
- C Crop damage.
- † Storm damages are placed in categories varying from 1 to 9 as follows:
  - 1 Less than \$50
  - 2 \$50 to \$500
  - 3 \$500 to \$5,000
  - 4 \$5,000 to \$50,000
  - 5 \$50,000 to \$500,000
  - 6 \$500,000 to \$5,000,000
  - 7 \$5,000,000 to \$50,000,000
  - 8 \$50,000,000 to \$500,000,000
  - 9 \$500,000,000 to \$5,000,000,000.

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of this type of data, it is not all-inclusive. Delayed data and corrections will be carried in the June and December issues of this publication.

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